WALKER FILTRATION







January
2026

PRODUCT GUIDE

Sterling - £

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Correction Factors

Pressure
For maximum flow rate, multiply model flow rate by the correction factor corresponding to the operating pressure

Operating pressure barg (psig)		0.3 (4)	0.6 (9)	1 (14.5)	2 (29)	3 (44)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)	20.7 (300)
7 barg	Correction factor	0.21	0.29	0.38	0.53	0.65	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51	1.73

Operating pressure barg (psig)		4 (58)	6 (87)	8 (116)	10 (145)	12 (174)	14 (203)	16 (232)	18 (261)	20.7 (300)
20 barg	Correction factor	0.45	0.55	0.63	0.71	0.77	0.84	0.9	0.95	1.00

Operating pressure barg (psig)		4 (58)	6 (87)	8 (116)	10 (145)	15 (220)	20 (290)	30 (435)	40 (580)	50 (725)
50 barg	Correction factor	0.14	0.22	0.28	0.34	0.47	0.56	0.7	0.85	1.00

Operating pressure barg (psig)		20 (290)	30 (435)	40 (580)	50 (725)	60 (870)	70 (1015)	80 (1160)	90 (1300)	100 (1450)
100 barg	Correction factor	0.45	0.57	0.68	0.8	0.84	0.88	0.92	0.96	1.00

Operating pressure barg (psig)		50 (725)	100 (1450)	150 (2175)	200 (2900)	250 (3625)	300 (4350)	350 (5000)
350 barg	Correction factor	0.73	0.78	0.82	0.87	0.91	0.96	1.00

Dryers
For maximum flow rate, multiply model flow rate by the correction factor corresponding to the working dryer

Operating pressure barg (psig)		4 (58)	5 (72)	6 (87)	7 (100)	8 (116)	9 (130)	10 (145)	11 (160)	12 (174)	13 (189)	14 (203)	15 (218)	16 (232)
100 barg	Correction factor	0.62	0.75	0.87	1.00	1.12	1.25	1.37	1.50	1.62	1.75	1.87	2.00	2.12

Operating temperature °C (°F)	20 (68)	25 (77)	30 (86)	35 (95)	40 (104)	45 (113)	50 (122)
Correction factor	1.07	1.06	1.04	1.00	0.88	0.78	0.55

Dewpoint °C (°F)	-40 (-40)	-70 (-94)
Correction factor	1.00	0.70

General Notes

1. Flanged connections are DN80 PN16 (3") and DN100 PN16 flanged (4"), or ANSI B16.5 class 150 (3") and 150lb (4"). Threaded connections are Rp (BSP parallel) to ISO 7/1 or NPT to ANSI B2.1 if supplied within North America.
2. For NPT connections, add the suffix N e.g. A30015NXA.
3. Flanged vessels are designed and manufactured in accordance with BS EN286 Part 1 and meet the Simple Pressure Vessels Directive.
4. Cross port dimensions on flanged vessels are subject to a manufacturing tolerance of +/- 3mm and a squareness tolerance of 1 degree.
5. Filter elements should be changed every 12 months / 8000 hours (whichever comes first). Activated Carbon filter elements should be changed at least every 6 months.
6. Filters and Water Separators are suitable for use with mineral and synthetic oils, plus oil-free compressed air applications.
7. Dimension 'D' in general arrangement drawings refers to bowl clearance required for element change.
8. Mounting Brackets are available for various filters, see page 58.
9. All Walker Filtration Alpha Filters are produced from high quality, non-toxic, naturally inert material and constituents, in accordance with FDA requirements for food contact as per Code of Federal Regulation (CFR). Title 21. Please contact Sales for details.
10. All ppm references are ppm by mass.

Conversion Tables

Convert (multiplying factors) — Pressure

from ↓ / to →	psi (lbf/in²)	inH_20	mmHg (Torr)	atmos	mbar	bar	Kgf/cm² (Kp/cm²)	Pascal (N/m²)	kPa (kN/m²)	MPa MN/m² (N/mm²)
psi (lbf/in²)	1	27.6799	51.7149	0.068046	68.9476	0.06895	0.070307	6894.76	6.89476	0.0068948
inH_20	0.036127	1	1.86832	0.0024583	2.49089	0.00249	0.00254	249.089	0.24901	0.000249
mmHg (Torr)	0.019337	0.53524	1	0.0013158	1.33322	0.00133	0.0013591	133.322	0.13332	0.000133
atmos	14.6959	406.781	760	1	1013.25	1.01325	1.03323	101,325	101.325	0.101325
mbar	0.014504	0.401463	0.750062	0.0009869	1	0.001	0.0010197	100	0.1	0.0001
bar	14.504	401.463	750.062	0.9869	1000	1	1.0197	100,000	100	0.1
Kgf (Kp/cm²)	14.2233	393.7	735.556	0.967841	980.665	0.980665	1	98066.5	98.0665	0.09806
Pascal (N/m²)	0.000145	0.004015	0.007501	0.0000099	0.01	0.00001	0.0000102	1	0.001	0.00001
kPa	0.14504	4.015	7.501	0.0099	10	0.01	0.0102	1000	1	0.001
MPa	145.04	4015	7501	9.9	10000	10	1.02	1,000,000	1000	1

Convert (multiplying factors) — Flow rate

from ↓ / to →	litre/sec	dm³/sec	litre/min	m³/sec	m³/min	Nm³/h	SCFM
litre/sec	1	1	60	0.001	0.06	3.6	2.118882
dm³/sec	1	1	60	0.001	0.06	3.6	2.118882
litre/min	0.016667	0.0166667	1	0.00001667	0.001	0.06	0.035315
m³/sec	1000	1000	60,000	1	60	3600	2118.88
m³/min	16.66667	16.66667	1000	0.0166667	1	60	35.315
Nm³/hr	0.277778	0.277778	16.66667	0.000278	0.0166667	1	0.588578
SCFM	0.471947	0.471947	28.31682	0.000472	0.0283168	1.699	1

Recommended air flow rate

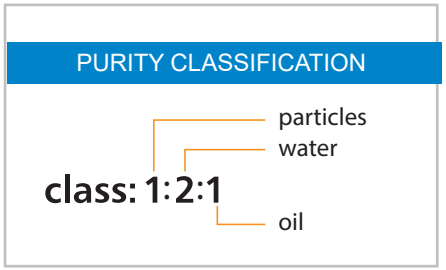
nominal bore		at main line velocity of 6 m/s		at branch line velocity of 15 m/s	
mm	inch	dm³/s (l/s)	SCFM	dm³/s (l/s)	SCFM
6	1/8	1	2	3	6
8	¼	3	6	8	17
10	3/8	5	11	12	25
15	½	10	21	25	53
20	¾	17	36	40	85
25	1	25	53	60	127
32	1¼	50	106	125	265
40	1½	65	138	160	339
50	2	100	212	250	530
65	2½	180	382	450	954
80	3	240	509	600	1272
100	4	410	869	-	-
125	5	610	1293	-	-
150	6	900	1908	-	-
200	8	1600	3392	-	-
250	10	2500	5300	-	-
300	12	3600	7632	-	-

Note: Walker Filtration provide these conversion charts as a guide only.

Compressed Air Quality

Compressed Air Purity Classes ISO 8573-1

The ISO 8573 group of International Standards is used for the classification of compressed air. It also provides the test methods and analytical techniques for each type of contaminant. The table below summarises the maximum contaminant levels specified in ISO 8573 Part 1 (2010) for the various compressed air quality classes. Each compressed air classification can be achieved by installing a specific filter grade or a combination of filter grades, depending upon required performance.

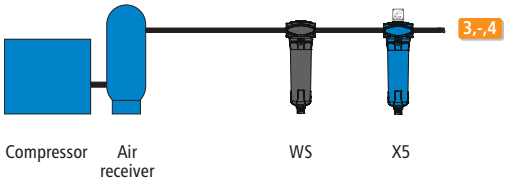


Purity Class	Particles				Water		Oil
	Maximum number of particles per cubic metre as a function of particle size, d [a]				Vapour	Liquid [a]	Total Oil [a]
	0.1µm < d ≤ 0.5µm	0.5µm < d ≤ 1.0µm	1.0µm < d ≤ 5.0µm	Mass Concentration Cp mg/m³	Pressure Dewpoint °C	Concentration Liquid Water Cw g/m³	Liquid, aerosol, vapour mg/m³
0	**As specified by the equipment user or supplier and more stringent than Class [1]**						
1	≤ 20 000	≤ 400	≤ 10	-	≤-70	-	≤ 0.01
2	≤ 400 000	≤ 6 000	≤ 100	-	≤-40	-	≤ 0.1
3	-	≤ 90 000	≤ 1 000	-	≤-20	-	≤ 1
4	-	-	≤ 10 000	-	≤ +3	-	≤ 5
5	-	-	≤ 100 000	-	≤ +7	-	-
6	-	-	-	0 < Cp ≤ 5	≤ +10	-	-
7	-	-	-	5 < Cp ≤ 10	-	Cw ≤ 0.5	-
8	-	-	-	-	-	0.5 < Cw ≤ 5	-
9	-	-	-	-	-	5 < Cw ≤ 10	-
X	-	-	-	Cp > 10	-	Cw > 10	>5

[a] At reference conditions, 100kPa (1 bar(a)), 20°C, 0 Relative water vapour pressure (0% relative humidity)

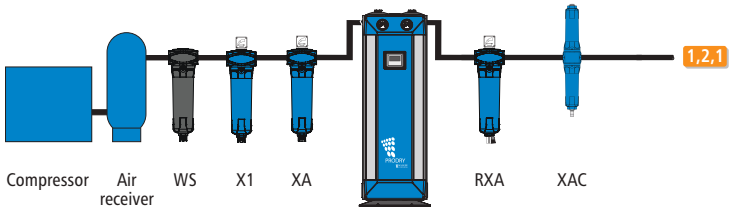
Medium Filtration

Bulk liquid and medium filtration specially designed for the removal of high concentrations of oils which contain burnt by-products such as lacquers.



High Efficiency Filtration

High efficiency sub-micron filtration to provide oil/particulate free compressed air. This filter package offers protection to adsorption dryers and provides the user with the best possible compressed air quality.



Compressed Air Standards

Walker Filtration filters and dryers are designed to meet the needs of a wide range of industries. The range aims to address the compressed air purity requirements of almost any application. Product performance is tested and validated in accordance with the latest international standards, of which the main ones are outlined below.

ISO 8573 - Compressed Air Purity Standard

ISO 8573 group of International Standards comprises of nine parts, which provide classifications for the main contaminants in compressed air, and the test methods and qualitative analysis used in the determination process.

- ISO 8573-1 Contaminants and Purity Classes
- ISO 8573-2 Test Methods for Oil Aerosol Content
- ISO 8573-3 Test Methods for the Measurement of Humidity
- ISO 8573-4 Test Methods for the Solid Particle Content
- ISO 8573-5 Test Methods for Oil Vapour and Organic Solvent Content
- ISO 8573-6 Test Methods for Gaseous Contaminant Content
- ISO 8573-7 Test Methods for Viable Microbiological Contaminant Content
- ISO 8573-8 Test Methods for Solid Particle Content by Mass Concentration
- ISO 8573-9 Test Methods for Liquid Water Content

ISO 12500 - International Standards for Compressed Air Filter Testing

The ISO 12500 is a new group of standards for compressed air filter testing and has been introduced to complement the existing ISO 8573 series.

- ISO 12500-1 Oil Aerosols
- ISO 12500-2 Oil Vapours
- ISO 12500-3 Particles
- ISO 12500-4 Water

Other Applicable Standards

This standard identifies the required test methods for measuring dryer performance parameters for different types of compressed air dryers which includes: pressure dewpoint, flow rate, pressure drop, compressed air loss, power consumption and noise emission methods.

- ISO 7183 Test Methods for Compressed Air Dryers – Specifications and Testing



Alpha Series Filters and Elements

Extensive Filter Range

Walker Filtration manufactures superior air treatment products for compressed air and gas across a wide range of markets. Our commitment to exceptional design, along with a proven track record of engineering excellence, has allowed us to remain at the forefront of compressed air and gas filtration.

Water Separators

A forward thinking housing design to deliver market leading water removal efficiencies – eliminating 99% bulk water and guaranteeing continuously low differential pressure.

Compressed Air & Gas Filters

Our range of single and duplex air and gas filters come in five filtration grades (Activated Carbon and 25 to 0.01 micron), with silicone free options and specialist LABSfrei and ATEX capability.

Dust Filter

Available in all grades, for installations downstream of regenerative compressed air and gas dryers.

Vacuum Pump Protection

Our range of filters offer high efficiency and optimum contaminant removal for vacuum pump protection.

Vacuum Pump Exhaust

Two types of vacuum pump exhaust filters are available to remove oil mist from oil injected vacuum pumps.

Medical Sterile

This specialist range of filters is designed to meet the very specific needs for medical compressed air plants.



General Industry



Vacuum Packaging



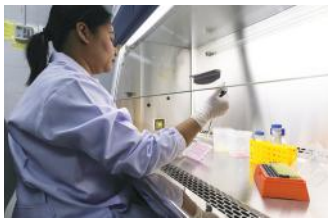
Food Production



Paint Spraying



Beverage & Breweries



Laboratories



Power Generation



Automotive



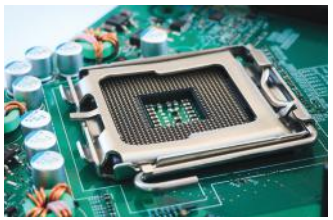
Military



Welding



Medical



Electronics

Accessories

To accompany our standard range, we supply a comprehensive range of spares and accessories, starting on page 152



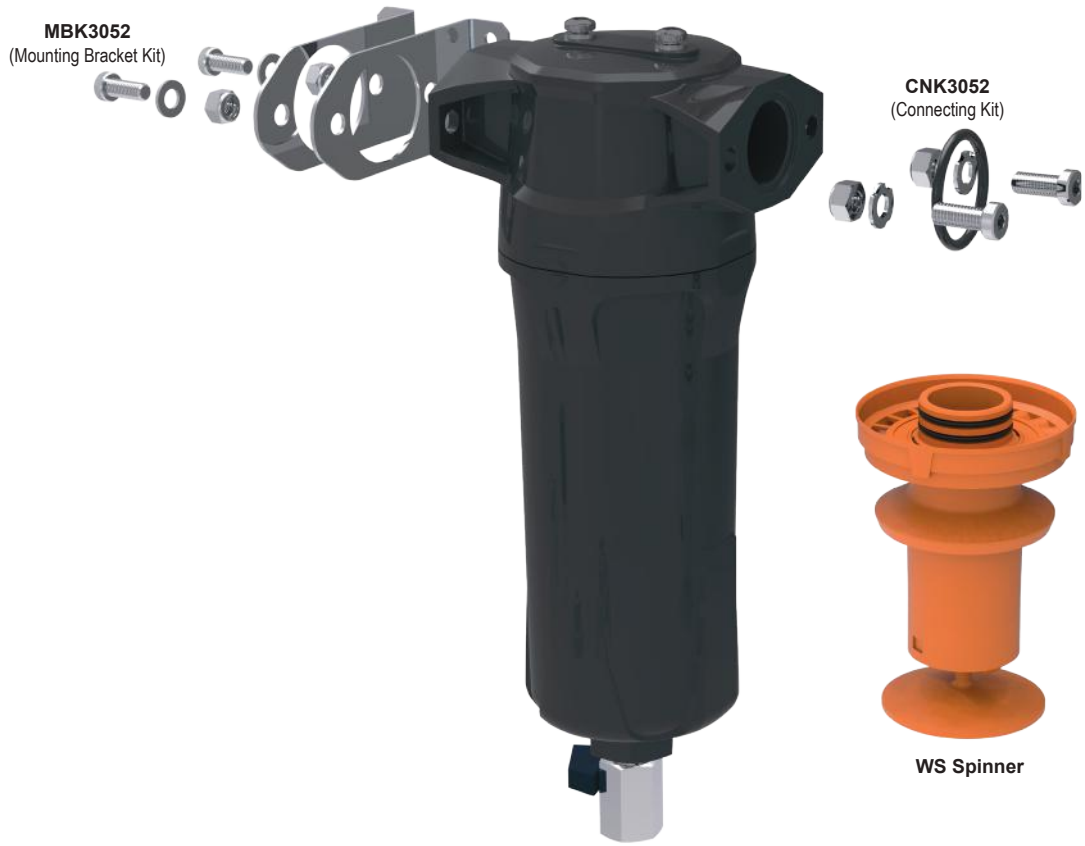
Compressed Air Water Separators

Models | A30006WS to A31500WS

Flow Rates:	Flow Rates 6 SCFM (10 Nm³/hr) to 1500 SCFM (2550 Nm³/hr)
Working pressure:	4 barg to 20.7 barg
Operating Temperature:	1ºC to 120ºC
Connections:	⅛ to 3 inches

The Alpha Water Separator combines proven Alpha centrifugal technology with a new forward thinking housing design to deliver market leading water removal efficiencies – eliminating 99% bulk water with continuously low differential pressure.

- **Energy Saving Water Separators operate with consistently low differential pressure reducing both energy consumption and operating costs**
- **Flexible Installation Modular design and accessible fixings enable simple close coupling assembly**
- **Cost Effective No replacement components required**
- **Externally Accessible Drain Valve Drain valve can be removed externally on larger models**
- **Product Safety in Mind Guaranteed safe housing closure with rotational safety stop**
- **Corrosion Protection Internal and external electrophoretic painting followed by a tough exterior polyester powder coating**



MBK3052
(Mounting Bracket Kit)

CNK3052
(Connecting Kit)

WS Spinner



Float Operated Drain Valve
A30006WS to A30050WS
order ADVS16



Externally accessible Float Operated Drain Valve
A30070WS to A31500WS
order ADVSE16



Manual Drain Valve
A30006WS to A30050WS
order MDV25



Externally accessible Manual Drain Valve
A30070WS to A31500WS
order MDVE25



Zero-Loss
Electronic Drain

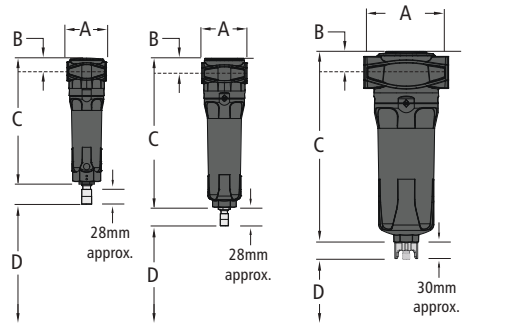


Timer Drain





HP Timer Drain



A30006WS to A30015WS

A30006WS to A30050WS

A30070WS to A31500WS

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Replacements and Spare Parts (refer to page 143)

Alpha Water Separators

Filter model	Pipe size inches	Inlet flow rate*		Dimensions mm				Weight Kg	Complete price (£)
		Nm³/h	SCFM	A	B	C	D		
A30006WS	⅛	10	6	50	17	157	60	0.3	
A30015WS	¼	25	15	50	17	157	60	0.3	
A30025WS	¼	42	25	70	23	231	70	0.6	
A30032WS	⅜	59	32	70	23	231	70	0.6	
A30050WS	½	85	50	70	23	231	70	0.6	
A30070WS	½	119	70	127	32	285	80	1.7	
A30125WS	¾	212	125	127	32	285	80	1.7	
A30175WS	1	297	175	127	32	285	80	1.7	
A30280WS	1¼	476	280	140	41	476	85	3.0	
A30320WS	1½	544	320	140	41	476	85	3.0	
A30400WS	1½	680	400	170	53	508	100	4.9	
A30700WS	2	1189	700	170	53	508	100	4.9	
A30850WS	2½	1444	850	220	70	420	100	8.0	
A31500WS	3	2550	1500	220	70	420	100	8.0	

* Rated flow at 7 barg, reference conditions 1 bar (a) 20°C

Grade	WS	
Minimum recommended operating temperature - automatic drain	1ºC	34ºF
Maximum recommended operating temperature - automatic drain	80ºC	176ºF
Maximum working pressure - automatic drain	16 barg	232 psig
Minimum recommended operating temperature - manual drain	1ºC	34ºF
Maximum recommended operating temperature - manual drain	120ºC	248ºF
Maximum working pressure - manual drain	20.7 barg	300 psig
Typical pressure loss at rated flow	55 mbar	0.8 psi

Pressure correction factor	**for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure**									
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)	20.7 (300)
7 barg - correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51	1.73

Technical Notes

1. Water Separators are fitted as standard with normally open Float Operated Automatic Drain Valves, ADVS16 on models A30006WS to A30050WS and ADVSE16 on models A30070WS to A31500WS. Standard filters operate at 16 barg (232 psig) at 80°C (176°F). Normally closed Automatic Drain Valves (ADVS16C) are available for low flow applications. 20.7 barg range (300 psig) at 120°C (248°F) available when supplied with a Manual Drain Valve (MDV25 / MDVE25). For 20.7 barg requirements, please contact Walker Filtration.
2. Connecting kits are required to connect Water Separators to models A30006WS to A31500WS.
3. Threaded connections are Rp (BSP Parallel) to ISO 7-1 or NPT to ANSI/ASME B1.20.1 if supplied within North America. Rc (BSP Taper) to ISO 7-1 also available.
4. For NPT threads, add the suffix N, e.g., A30070NWS, and for Rc threads add the suffix C, e.g. A30070CWS.
5. Walker Filtration Alpha Filters are compliant with FDA requirements for food contact as per (CFR), Title 21.

Compressed Air Coalescing Filters

Models | A30006 to A31500	
Flow Rates:	Flow Rates 6 SCFM (10 Nm³/hr) to 1500 SCFM (2550 Nm³/hr)
Working pressure:	4 barg to 20.7 barg
Operating Temperature:	1ºC to 120ºC
Connections:	⅛ to 3 inches

The Alpha Series offers an extended range of compressed air and gas filters to suit almost every industry. Grades include X25, X5, X1, XA and AC.

- **Flow-Optimised Design Advanced filter head design for optimised flow performance**
- **Flexible Installation Modular design and accessible fixings enable simple close coupling assembly**
- **Market Leading Performance Custom engineered filtration media delivers optimum performance in line with air quality standard ISO 8573-1: 2010**
- **Simplified Serviceability Externally accessible drain, profiled bowl design and unique push fit elements ensure quick and reliable maintenance**
- **Corrosion Protection Internal and external electrophoretic paint finish followed by a tough exterior polyester powder coating**
- **Colour Coded Element End Caps Easy and accurate grade identification**
- **Product Safety in Mind Guaranteed safe housing closure with rotational safety stop**



Differential Pressure Indicator 65DPIG

MBK3052
(Mounting Bracket Kit)





CNK3052
(Connecting Kit)



Filter Element
X25 (25 micron)
X5 (5 micron)
X1 (1 micron)
XA (0.01 micron)
AC (0.01 micron)



Externally accessible Float Operated Drain Valve A30070WS to A31500WS order ADVSE16



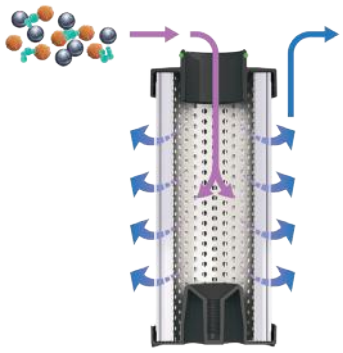
Zero-Loss Electronic Drain



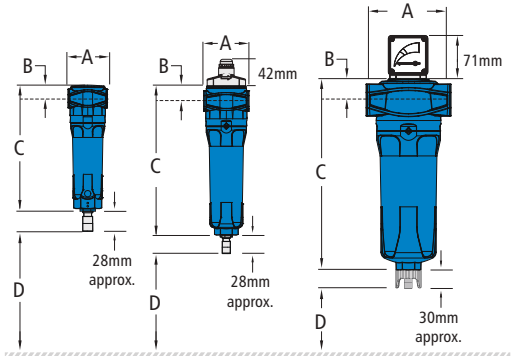
Timer Drain

Mechanical Float Drain

HP Timer Drain



Coalescing; Flows inside to out



A30006 to A30015 | A30025 to A30050 | A30070 to A31500

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Replacements and Spare Parts (refer to page 143)

Alpha Coalescing Filters

Filter model	Pipe size inches	Inlet flow rate*		Dimensions mm				Weight Kg	Complete price (£)	Element model	Element price (£)
		Nm³/h	SCFM	A	B	C	D				
A30006 (grade)	⅛	10	6	50	17	157	60	0.3		**E30306 (grade)**	
A30015 (grade)	¼	25	15	50	17	157	60	0.3		**E30306 (grade)**	
A30025 (grade)	¼	42	25	70	23	231	70	0.6		**E30408 (grade)**	
A30032 (grade)	⅜	54	32	70	23	231	70	0.6		**E30408 (grade)**	
A30050 (grade)	½	85	50	70	23	231	70	0.6		**E30412 (grade)**	
A30070 (grade)	½	119	70	127	32	285	80	1.7		**E30612 (grade)**	
A30085 (grade)	¾	144	85	127	32	285	80	1.7		**E30612 (grade)**	
A30105 (grade)	1	178	105	127	32	285	80	1.7		**E30612 (grade)**	
A30125 (grade)	¾	212	125	127	32	370	80	2.0		**E30621 (grade)**	
A30175 (grade)	1	297	175	127	32	370	80	2.0		**E30621 (grade)**	
A30280 (grade)	1¼	476	280	140	41	476	85	3.0		**E30731 (grade)**	
A30320 (grade)	1½	544	320	140	41	476	85	3.0		**E30731 (grade)**	
A30400 (grade)	1½	680	400	170	53	508	100	4.9		**E30831 (grade)**	
A30450 (grade)	2	765	450	170	53	508	100	4.9		**E30831 (grade)**	
A30700 (grade)	2	1189	700	170	53	708	100	5.5		**E30850 (grade)**	
A30850 (grade)	2½	1444	850	220	70	736	100	10.5		**E31140 (grade)**	
A30900 (grade)	3	1529	900	220	70	736	100	10.5		**E31140 (grade)**	
A31250 (grade)	3	2125	1250	220	70	857	100	11.5		**E31160 (grade)**	
A31500 (grade)	3	2550	1500	220	70	1005	100	12.5		**E31175 (grade)**	

* Rated flow at 7 barg, reference conditions at 1 bar (a) 20ºC

Grade	X25		X5		X1		XA		AC	
Particle removal	25 micron		5 micron		1 micron		0.01 micron		0.01 micron	
Maximum particle size class**	-		4		3		1		1	
Maximum oil content***	-		4		3		1		1	
Maximum oil carryover at 20°C (68°F)	10 mg/m³		5 mg/m³		0.3 mg/m³		0.01 mg/m³		0.003 mg/m³	
Pressure loss - clean & dry	30 mbar	0.4 psi	40 mbar	0.6 psi	55 mbar	0.8 psi	85 mbar	1.2 psi	115 mbar	1.7 psi
Pressure loss - saturated	50 mbar	0.7 psi	75 mbar	1.1 psi	125 mbar	1.8 psi	125 mbar	1.8 psi	N/A	N/A
Pressure loss - element change	12 mths	8000 hrs	12 mths	8000 hrs	12 mths	8000 hrs	12 mths	8000 hrs	at least every 6 months	
Maximum temperature	80°C	176°F	80°C	176°F	80°C	176°F	80°C	176°F	50°C***	122°F***
Maximum working pressure - Automatic Drain Valve	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig
Maximum working pressure - Manual Drain Valve	20 barg	300 psig	20 barg	300 psig	20 barg	300 psig	20 barg	300 psig	20 barg	300 psig
Element end cap colour	Black		Green		Red		Blue		Black	

** to ISO 8573-1: 2010

*** Maximum recommended operating temperature 25ºC (77ºF)

Pressure correction factor	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure									
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)	20.7 (300)
7 barg - correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51	1.73

Technical Notes

1. Direction of air flow is inside to out through the filter element.
2. Pop Up Indicators (65DPUG3) are fitted to models A30025 to A30050 as standard. Differential Pressure Indicators (65DPIG) are fitted to models A30070 to A31500 as standard. Activated Carbon (AC) grade filters do not include DP equipment. Volt free contact options are available upon request.
3. Coalescing Filters are fitted as standard with normally open float operated Automatic Drain Valves, ADVS16 on models A30006 to A30050 and ADVSE16 on models A30070 to A31500. Standard filters can operate at 16 barg (232 psig) at 80°C (176°F). Normally closed Automatic Drain Valves (ADVS16C) are available for low flow applications. 20.7 barg range (300 psig) at 120°C (248°F) available when supplied with a Manual Drain Valve (MDV25 / MDVE25).
4. Activated Carbon Filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO_2).
5. Alpha Filters are manufactured from cast aluminium alloy and are PED 2014/68/EU compliant for group 2 gases.
6. Threaded connections are Rp (BSP Parallel) to ISO 7-1 or NPT to ANSI/ASME B1.20.1 if supplied within North America. Rc (BSP Taper) to ISO 7-1 also available.
7. For NPT threads, add the suffix N, e.g. A30070NXA, and for Rc threads add the suffix C e.g. A30070CXA.
8. Filters are suitable for use with mineral and synthetic oils plus oil-free compressed air applications.
9. Walker Filtration Alpha Filters are compliant with FDA requirements for food contact as per (CFR). Title 21.

Compressed Air Particulate Filters

Models | A30006 to A31500	
Flow Rates:	Flow Rates 6 SCFM (10 Nm³/hr) to 1500 SCFM (2550 Nm³/hr)
Working pressure:	4 barg to 20.7 barg
Operating Temperature:	1ºC to 120ºC
Connections:	⅛ to 3 inches

The Alpha Series particulate removal filters are ideal for installation downstream of regenerative compressed air and gas dryers to protect equipment from dust carryover. Grades include RX25, RX5, RX1, RXA and RAC.

- **Flow-Optimised Design Advanced filter head design for optimised flow performance**
- **Flexible Installation Modular design and accessible fixings enable simple close coupling assembly**
- **Market Leading Performance Custom engineered filtration media delivers optimum performance in line with air quality standard ISO 8573-1: 2010**
- **Simplified Serviceability Profiled bowl design and push fit elements ensure quick and reliable maintenance**
- **Corrosion Protection Internal and external electrophoretic paint finish followed by a tough exterior polyester powder coating**
- **Colour Coded Element End Caps Easy and accurate grade identification**

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Differential Pressure Indicator 65DPIG

MBK3052
(Mounting Bracket Kit)



CNK3052
(Connecting Kit)

Filter Element
RX25 (25 micron)
RX5 (5 micron)
RX1 (1 micron)
RXA (0.01 micron)
RAC (0.01 micron)



Float Operated Drain Valve A30006WS to A30050WS order ADVS16



Externally accessible Float Operated Drain Valve A30070WS to A31500WS order ADVSE16

Manual Drain Valve A30006WS to A30050WS order MDV25

Externally accessible Manual Drain Valve A30070WS to A31500WS order MDVE25



Zero-Loss Electronic Drain

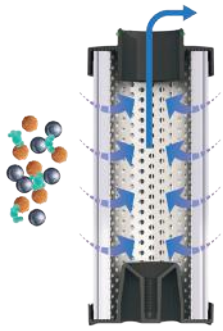


Timer Drain

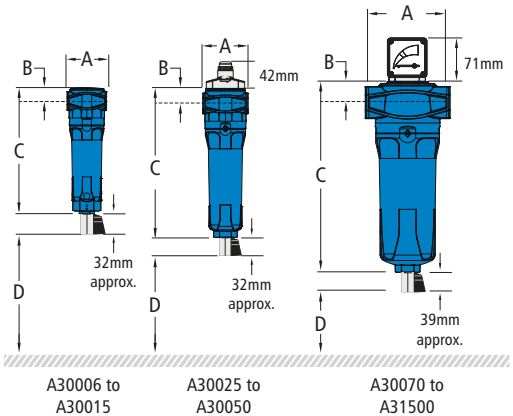


Mechanical Float Drain

HP Timer Drain



Particulate; Flows outside to in



Replacements and Spare Parts (refer to page 143)

Alpha Particulate Filters

Filter model	Pipe size inches	Inlet flow rate* Nm³/h	Inlet flow rate* SCFM	Dimensions mm A	Dimensions mm B	Dimensions mm C	Dimensions mm D	Weight Kg	Complete price (£)	Element model	Element price (£)
A30006 (grade)	⅛	10	6	50	17	157	60	0.3		**E30306 (grade)**	
A30015 (grade)	¼	25	15	50	17	157	60	0.3		**E30306 (grade)**	
A30025 (grade)	¼	42	25	70	23	231	70	0.6		**E30408 (grade)**	
A30032 (grade)	⅜	54	32	70	23	231	70	0.6		**E30408 (grade)**	
A30050 (grade)	½	85	50	70	23	231	70	0.6		**E30412 (grade)**	
A30070 (grade)	½	119	70	127	32	285	80	1.7		**E30612 (grade)**	
A30085 (grade)	¾	144	85	127	32	285	80	1.7		**E30612 (grade)**	
A30105 (grade)	1	178	105	127	32	285	80	1.7		**E30612 (grade)**	
A30125 (grade)	¾	212	125	127	32	370	80	2.0		**E30621 (grade)**	
A30175 (grade)	1	297	175	127	32	370	80	2.0		**E30621 (grade)**	
A30280 (grade)	1¼	476	280	140	41	476	85	3.0		**E30731 (grade)**	
A30320 (grade)	1½	544	320	140	41	476	85	3.0		**E30731 (grade)**	
A30400 (grade)	1½	680	400	170	53	508	100	4.9		**E30831 (grade)**	
A30450 (grade)	2	765	450	170	53	508	100	4.9		**E30831 (grade)**	
A30700 (grade)	2	1189	700	170	53	708	100	5.5		**E30850 (grade)**	
A30850 (grade)	2½	1444	850	220	70	736	100	10.5		**E31140 (grade)**	
A30900 (grade)	3	1529	900	220	70	736	100	10.5		**E31140 (grade)**	
A31250 (grade)	3	2125	1250	220	70	857	100	11.5		**E31160 (grade)**	
A31500 (grade)	3	2550	1500	220	70	1005	100	12.5		**E31175 (grade)**	

* Rated flow at 7 barg, reference conditions at 1 bar (a) 20ºC

Grade	RX25		RX5		RX1		RXA		RAC	
Particle removal	25 micron		5 micron		1 micron		0.01 micron		0.01 micron	
Maximum particle size class**	-		4		3		1		1	
Maximum oil carryover at 20°C (68°F)	-		-		-		-		0.003 mg/m³	
Pressure loss - clean & dry	30 mbar	0.4 psi	40 mbar	0.6 psi	75 mbar	1.1 psi	100 mbar	1.5 psi	75 mbar	1.1 psi
Pressure loss - element change	12 mths	8000 hrs	12 mths	8000 hrs	12 mths	8000 hrs	12 mths	8000 hrs	at least every 6 months	
Maximum temperature	120°C	248°F	120°C	248°F	120°C	248°F	120°C	248°F	50°C***	122°F***
Maximum working pressure	20.7 barg	300 psig	20.7 barg	300 psig	20.7 barg	300 psig	20.7 barg	300 psig	20.7 barg	300 psig
Element end cap colour	Black		Green		Red		Blue		Black	

** to ISO 8573-1:2010

*** Maximum recommended operating temperature 25ºC (77ºF)

Pressure correction factor	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure									
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)	20.7 (300)
7 barg - correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51	1.73

Technical Notes

1. Direction of air flow is outside to in through the filter element.
2. Pop Up Indicator (65DPUG3) is fitted to models A30025 to A30050 as standard. Differential Pressure Indicator (65DPIG) is fitted to models A30070 to A31500 as standard. Activated Carbon (AC) grade filters do not include DP equipment. Volt free contact options are available upon request.
3. Manual Drain Valves are fitted as standard. MDV25 on models A30006 to A30050 and MDVE25 on models A30070 to A31500.
4. Activated Carbon Filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO_2).
5. Alpha Filters are manufactured from cast aluminium alloy and are PED 2014/68/EU compliant for group 2 gases.
6. Threaded connections are Rp (BSP Parallel) to ISO 7-1 or NPT to ANSI/ASME B1.20.1 if supplied within North America. Rc (BSP Taper) to ISO 7-1 also available.
7. For NPT threads, add the suffix N, e.g., A30070NRXA, and for Rc threads add the suffix C, e.g. A30070CRXA.
8. Filters are suitable for use with mineral and synthetic oils plus oil-free compressed air applications.
9. Filter elements should be changed every 12 months / 8000 hours (whichever comes first). Activated Carbon Filter elements should be changed at least every 6 months.
10. All Walker Filtration Alpha Filters are compliant with FDA requirements for food contact as per (CFR), Title 21

Alpha Duplex Filters

Models | D30025 to D30175

Flow Rates:	25 SCFM (42 Nm³/hr) to 175 SCFM (297 Nm³/hr)
Working pressure:	4 barg to 20.7 barg
Operating Temperature:	1ºC to 50ºC
Connections:	¼ to 1 inches

The Alpha Series XAC Duplex range combines a DXA 0.01 micron Coalescing Filter, which reduces oil concentrations, and a DAC secondary Activated Carbon filter to remove vapours, odours and tastes. This filter offers a space saving, economical filtration solution.

- **Flow-Optimised Design Advanced filter head designed for optimised flow performance**
- **Flexible Installation Filter housings can be multi-banked together using connecting kits enabling simple close coupling assembly**
- **Market Leading Performance Pleated oleophobic borosilicate media delivers significant energy cost savings through lower differential pressure**
- **Simplified Serviceability Profiled bowl design and unique push fit elements ensure quick and reliable maintenance**
- **Product Safety in Mind Guaranteed safe housing closure with rotational safety stop**
- **Corrosion Protection Internal and external electrophoretic paint finish followed by a tough exterior polyester powder coating**

MBK3052
(Mounting Bracket Kit)



CNK3052
(Connecting Kit)





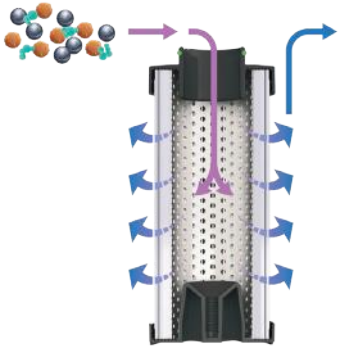


DAC (0.01 micron)

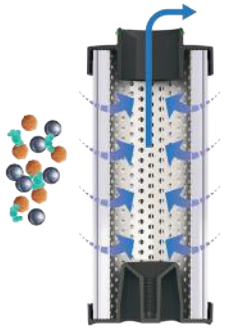


DXA (0.01 micron)

Direction of air flow is inside to out through the 0.01 micron (DXA) grade and outside to in through Activated Carbon (DAC) grade filter element.



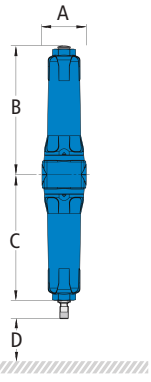
0.01 micron (DXA)



Activated Carbon (DAC)



Float Operated Drain Valve
ADVS16



D3028 to D3109

Replacements and Spare Parts (refer to page 143)

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Alpha Duplex Filters

Filter model	Pipe size inches	Inlet flow rate* Nm³/h	Inlet flow rate* SCFM	Dimensions mm A	Dimensions mm B	Dimensions mm C	Dimensions mm D	Weight Kg	Complete price (£)	Element model DXA	Element model DAC	DXA Element price (£)	DAC Element price (£)
D30025XAC	¼	42	25	70	205	205	70	1.0		**E30408DXA**	**E30408DAC**		
D30032XAC	⅜	54	32	70	205	205	70	1.0		**E30408DXA**	**E30408DAC**		
D30050XAC	½	85	50	70	205	205	70	1.1		**E30412DXA**	**E30412DAC**		
D30070XAC	½	119	70	120	259	259	80	4.3		**E30613DXA**	**E30613DAC**		
D30085XAC	¾	144	85	120	259	259	80	4.3		**E30613DXA**	**E30613DAC**		
D30125XAC	¾	212	125	120	344	344	80	5.5		**E30620DXA**	**E30620DAC**		
D30175XAC	1	297	175	120	344	344	80	5.5		**E30620DXA**	**E30620DAC**		

*Rated flow at 7 barg, reference conditions 1 bar (a) 20°C

Grade	DXA		DAC	
Particle removal	0.01 micron		0.01 micron	
Maximum particle size class**	1		1	
Maximum oil content**	1		1	
Maximum oil carryover at 20°C (68°F)	0.01 mg/m³		0.003 mg/m³	
Pressure loss: clean and dry	85 mbar	1.2 psi	75 mbar	1.1 psi
Pressure loss: saturated	125 mbar	1.8 psi	N/A	N/A
Pressure loss: element change	12 months	8000 hours	at least every 6 months	
Maximum temperature	50°C	122°F	50°C ***	122°F ***
Maximum working pressure	16 barg	232 psig	16 barg	232 psig
Element end cap colour	**Black**		**Black**	

** to ISO 8573-1:2010

*** Recommended operating temperature 25°C (77°F)

Pressure correction factor	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure								
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)
7 barg - correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51

Technical Notes

1. Duplex Filters provide a 0.01 micron (DXA) grade element in the lower section for oil removal, while the Activated Carbon (DAC) grade element in the upper section is for odour removal.
2. Direction of air flow is inside to out through the 0.01 micron (DXA) grade and outside to in through Activated Carbon (DAC) grade filter element.
3. Duplex Filters are fitted with ADVS16 normally open float operated automatic drain valves as standard. Normally closed float operated automatic drain valves ADVS16C are available for low flow applications.
4. Activated Carbon Filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO_2).
5. Alpha Filters are manufactured from cast aluminium alloy and are PED 2014/68/EU compliant for group 2 gases.
6. Threaded connections are Rp (BSP Parallel) to ISO 7-1 or NPT to ANSI/ASME B1.20.1 if supplied within North America. Rc (BSP Taper) to ISO 7-1 also available.
7. For NPT threads, add the suffix N e.g. D30025NXAC, and for Rc threads add the suffix C e.g. D30025CXAC.
8. Filters are suitable for use with mineral and synthetic oils plus oil-free compressed air applications.
9. Filter elements should be changed every 12 months / 8000 hours (whichever comes first). Activated Carbon filter elements should be changed every 6 months.
10. Walker Filtration Alpha Filters are compliant with FDA requirements for food contact as per (CFR). Title 21.

Alpha Silicone Free Coalescing Filters

Models | SF0006 to SF1500

Flow Rates:	6 SCFM (10 Nm³/hr) to 1500 SCFM (2550 Nm³/hr)
Working pressure:	4 barg to 20.7 barg
Operating Temperature:	1ºC to 120ºC
Connections:	⅛ to 3 inches

Ideally suited to applications such as paint spraying and automotive, where silicone-free air is required to prevent product spoilage, these filters combine market leading Alpha filtration performance with a silicone free manufacturing process. Grades include X25, X5, X1, XA and AC.

- **Market Leading Performance Custom engineered filtration media delivers optimum performance in line with air quality standard ISO 8573-1: 2010, and significantly reduced pressure loss of <125 mbar across X1 and XA grades**
- **Improved Operational Efficiencies Deliver improved production and operational efficiencies in your industrial paint plant with market leading silicone-free filtration technology**
- **Simplified Serviceability Externally accessible drain, profiled bowl design, and unique push fit elements ensure quick and reliable maintenance**
- **Flow-Optimised Design Advanced filter head design for optimised flow performance**
- **Flexible Installation Modular design and accessible fixings enable simple close coupling assembly**
- **Corrosion Protection Internal and external electrophoretic paint finish followed by a tough exterior polyester powder coating**



Differential Pressure Indicator 65DPIB-SF

MBK3052
(Mounting Bracket Kit)

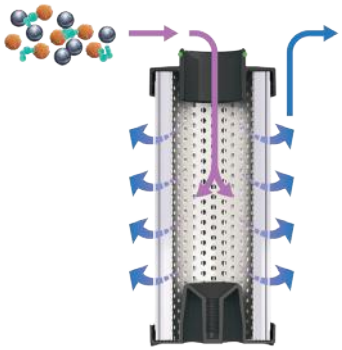


CNK3052
(Connecting Kit)

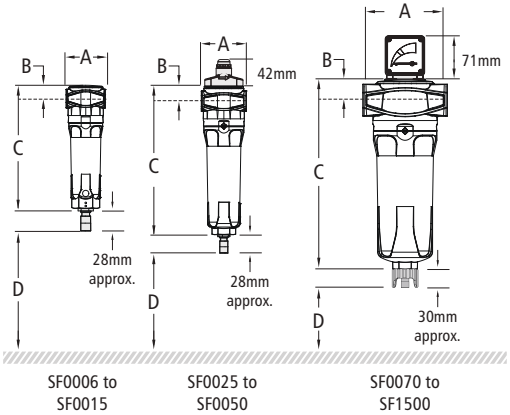
Externally accessible Float Operated Drain Valve SF0070 to SF1500 order SFADVSE16B



Filter Element
X25 (25 micron)
X5 (5 micron)
X1 (1 micron)
XA (0.01 micron)
AC (0.01 micron)



Coalescing; Flows inside to out



Replacements and Spare Parts (refer to page 143)

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Alpha Silicone Free Coalescing Filters

Filter model	Pipe size inches	Inlet flow rate*		Dimensions mm				Weight Kg	Complete price (£)	Element model	Element price (£)
		Nm³/h	SCFM	A	B	C	D				
SF0006 (grade)	⅛	10	6	50	17	157	60	0.3		**ESF0306 (grade)**	
SF0015 (grade)	¼	25	15	50	17	157	60	0.3		**ESF0306 (grade)**	
SF0025 (grade)	¼	42	25	70	23	231	70	0.6		**ESF0408 (grade)**	
SF0032 (grade)	⅜	54	32	70	23	231	70	0.6		**ESF0408 (grade)**	
SF0050 (grade)	½	85	50	70	23	231	70	0.6		**ESF0412 (grade)**	
SF0070 (grade)	½	119	70	127	32	285	80	1.7		**ESF0612 (grade)**	
SF0085 (grade)	¾	144	85	127	32	285	80	1.7		**ESF0612 (grade)**	
SF0105 (grade)	1	178	105	127	32	285	80	1.7		**ESF0612 (grade)**	
SF0125 (grade)	¾	212	125	127	32	370	80	2.0		**ESF0621 (grade)**	
SF0175 (grade)	1	297	175	127	32	370	80	2.0		**ESF0621 (grade)**	
SF0280 (grade)	1¼	476	280	140	41	476	85	3.0		**ESF0731 (grade)**	
SF0320 (grade)	1½	544	320	140	41	476	85	3.0		**ESF0731 (grade)**	
SF0400 (grade)	1½	680	400	170	53	508	100	4.9		**ESF0831 (grade)**	
SF0450 (grade)	2	765	450	170	53	508	100	4.9		**ESF0831 (grade)**	
SF0700 (grade)	2	1189	700	170	53	708	100	5.5		**ESF0850 (grade)**	
SF0850 (grade)	2½	1444	850	220	70	736	100	10.5		**ESF1140 (grade)**	
SF0900 (grade)	3	1529	900	220	70	736	100	10.5		**ESF1140 (grade)**	
SF1250 (grade)	3	2125	1250	220	70	857	100	11.5		**ESF1160 (grade)**	
SF1500 (grade)	3	2550	1500	220	70	1005	100	12.5		**ESF1175 (grade)**	

* Rated flow at 7 barg, reference conditions at 1 bar (a) 20ºC

Grade	X25		X5		X1		XA		AC	
Particle removal	25 micron		5 micron		1 micron		0.01 micron		0.01 micron	
Maximum particle size class**	-		4		3		1		1	
Maximum oil content***	-		4		3		1		1	
Maximum oil carryover at 20°C (68°F)	10 mg/m³		5 mg/m³		0.3 mg/m³		0.01 mg/m³		0.003 mg/m³	
Pressure loss - clean & dry	30 mbar	0.4 psi	40 mbar	0.6 psi	55 mbar	0.8 psi	85 mbar	1.2 psi	115 mbar	1.7 psi
Pressure loss - saturated	50 mbar	0.7 psi	75 mbar	1.1 psi	125 mbar	1.8 psi	125 mbar	1.8 psi	N/A	N/A
Pressure loss - element change	12 mths	8000 hrs	12 mths	8000 hrs	12 mths	8000 hrs	12 mths	8000 hrs	at least every 6 months	
Maximum temperature	80°C	176°F	80°C	176°F	80°C	176°F	80°C	176°F	50°C***	122°F***
Maximum working pressure - Automatic Drain Valve	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig
Maximum working pressure - Manual Drain Valve	20 barg	300 psig	20 barg	300 psig	20 barg	300 psig	20 barg	300 psig	20 barg	300 psig
Element end cap colour	Black									

** to ISO 8573-1: 2010

*** Maximum recommended operating temperature 25ºC (77ºF)

Pressure correction factor	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure									
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)	20.7 (300)
7 barg - correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51	1.73

Technical Notes

1. Direction of air flow is inside to out through the filter element.
2. Pop Up Indicators (65DPUB3) are fitted to models SF0025 to SF0050 as standard. Differential Pressure Indicators (65DPIB-SF) are fitted to models SF0070 to SF1500 as standard. Activated Carbon (AC) grade filters do not include DP equipment. Volt free contact options are available upon request.
3. Coalescing Filters are fitted as standard with normally open float operated Automatic Drain Valves, SFADVS16 on models SF0006 to SF0050 and SFADVSE16B on models SF0070 to SF1500. Standard filters can operate at 16 barg (232 psig) at 80°C (176°F). Normally closed Automatic Drain Valves (SFADVS16C) are available for low flow applications. 20.7 barg range (300 psig) at 120°C (248°F) available when supplied with a Manual Drain Valve (SFMDV25 / SFMDVE25).
4. Activated Carbon Filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO_2).
5. Alpha Filters are manufactured from cast aluminium alloy and are PED 2014/68/EU compliant for group 2 gases.
6. Threaded connections are Rp (BSP Parallel) to ISO 7-1 or NPT to ANSI/ASME B1.20.1 if supplied within North America. Rc (BSP Taper) to ISO 7-1 also available.
7. For NPT threads, add the suffix N, e.g. SF0070NXA, and for Rc threads add the suffix C e.g. SF0070CXA.
8. Filters are suitable for use with mineral and synthetic oils plus oil-free compressed air applications.
9. Filter elements should be changed every 12 months / 8000 hours (whichever comes first). Activated Carbon Filter elements should be changed at least every 6 months.
10. These filters are manufactured and tested in a controlled environment to ensure that traces of silicone or paint wetting impairment substances (PWIS) are not present on the components used, or unintentionally introduced during the production process. While the product itself does not contain significant traces of such substances, they are not designed to remove pre-existing silicone contaminants from the air stream.
11. All Walker Filtration Alpha Filters are compliant with FDA requirements for food contact as per (CFR), Title 21.

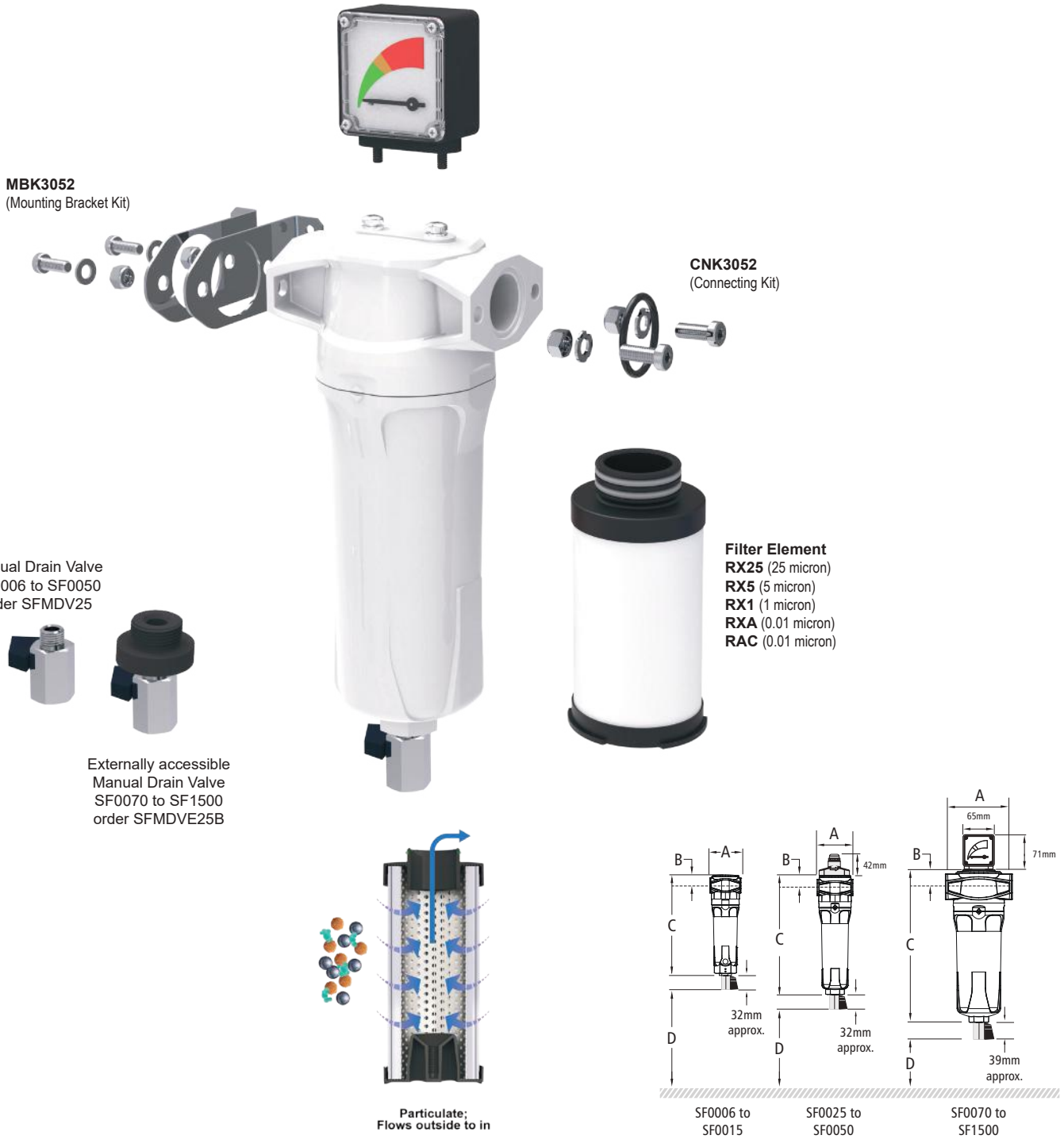
Alpha Silicone Free Particulate Filters

Models | SF0006 to SF1500

Flow Rates:	6 SCFM (10 Nm³/hr) to 1500 SCFM (2550 Nm³/hr)
Working pressure:	4 barg to 20.7 barg
Operating Temperature:	1ºC to 120ºC
Connections:	⅛ to ³ inches

Ideally suited to applications such as paint spraying and automotive, where silicone-free air is required to prevent product spoilage, these filters combine market leading Alpha filtration performance with a silicone free manufacturing process. Grades include RX25, RX5, RX1, RXA and RAC.

- **Market Leading Performance Custom engineered filtration media delivers significantly reduced pressure loss and optimum performance in line with air quality standard ISO 8573-1:2010.**
- **Simplified Serviceability Externally accessible drain, profiled bowl design and unique push fit elements ensure quick and reliable maintenance**
- **Flow-Optimised Design Advanced filter head design for optimised flow performance**
- **Flexible Installation Modular design and accessible fixings enable simple close coupling assembly**
- **Corrosion Protection Internal and external electrophoretic paint finish followed by a tough exterior polyester powder coating**
- **Product Safety in Mind Guaranteed safe housing closure with rotational safety stop**



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Replacements and Spare Parts (refer to page 143)

Alpha Silicone Free Particulate Filters

Filter model	Pipe size inches	Inlet flow rate*		Dimensions mm				Weight Kg	Complete price (£)	Element model	Element price (£)
		Nm³/h	SCFM	A	B	C	D				
SF0006 (grade)	⅛	10	6	50	17	157	60	0.3		**ESF0306 (grade)**	
SF0015 (grade)	¼	25	15	50	17	157	60	0.3		**ESF0306 (grade)**	
SF0025 (grade)	¼	42	25	70	23	231	70	0.6		**ESF0408 (grade)**	
SF0032 (grade)	⅜	54	32	70	23	231	70	0.6		**ESF0408 (grade)**	
SF0050 (grade)	½	85	50	70	23	231	70	0.6		**ESF0412 (grade)**	
SF0070 (grade)	½	119	70	127	32	285	80	1.7		**ESF0612 (grade)**	
SF0085 (grade)	¾	144	85	127	32	285	80	1.7		**ESF0612 (grade)**	
SF0105 (grade)	1	178	105	127	32	285	80	1.7		**ESF0612 (grade)**	
SF0125 (grade)	¾	212	125	127	32	370	80	2.0		**ESF0621 (grade)**	
SF0175 (grade)	1	297	175	127	32	370	80	2.0		**ESF0621 (grade)**	
SF0280 (grade)	1¼	476	280	140	41	476	85	3.0		**ESF0731 (grade)**	
SF0320 (grade)	1½	544	320	140	41	476	85	3.0		**ESF0731 (grade)**	
SF0400 (grade)	1½	680	400	170	53	508	100	4.9		**ESF0831 (grade)**	
SF0450 (grade)	2	765	450	170	53	508	100	4.9		**ESF0831 (grade)**	
SF0700 (grade)	2	1189	700	170	53	708	100	5.5		**ESF0850 (grade)**	
SF0850 (grade)	2½	1444	850	220	70	736	100	10.5		**ESF1140 (grade)**	
SF0900 (grade)	3	1529	900	220	70	736	100	10.5		**ESF1140 (grade)**	
SF1250 (grade)	3	2125	1250	220	70	857	100	11.5		**ESF1160 (grade)**	
SF1500 (grade)	3	2550	1500	220	70	1005	100	12.5		**ESF1175 (grade)**	

* Rated flow at 7 barg, reference conditions at 1 bar (a) 20ºC

Grade	RX25		RX5		RX1		RXA		RAC	
Particle removal	25 micron		5 micron		1 micron		0.01 micron		0.01 micron	
Maximum particle size class**	-		4		3		1		1	
Maximum oil carryover at 20°C (68°F)	-		-		-		-		0.003 mg/m³	
Pressure loss - clean & dry	30 mbar	0.4 psi	40 mbar	0.6 psi	75 mbar	1.1 psi	100 mbar	1.5 psi	75 mbar	1.1 psi
Pressure loss - element change	12 mths	8000 hrs	12 mths	8000 hrs	12 mths	8000 hrs	12 mths	8000 hrs	at least every 6 months	
Maximum temperature	120°C	248°F	120°C	248°F	120°C	248°F	120°C	248°F	50°C***	122°F***
Maximum working pressure	20.7 barg	300 psig	20.7 barg	300 psig	20.7 barg	300 psig	20.7 barg	300 psig	20.7 barg	300 psig
Element end cap colour	Black									

** to ISO 8573-1:2010

*** Maximum recommended operating temperature 25ºC (77ºF)

Pressure correction factor	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure									
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)	20.7 (300)
7 barg - correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51	1.73

Technical Notes

1. Direction of air flow is inside to out through the filter element.
2. Pop Up Indicator (65DPUB3) is fitted to models SF0025 to SF0050 as standard. Differential Pressure Indicator (65DPIB-SF) is fitted to models SF0070 to SF1500 as standard. Activated Carbon (AC) grade filters do not include DP equipment. Volt free contact options are available upon request.
3. Manual Drain Valves (SFMDV25 on models SF0006 to SF0050 and SFMDVE25B on models SF0070 to SF1500), are fitted as standard.
4. Activated Carbon Filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO_2).
5. Alpha Filters are manufactured from cast aluminium alloy and are PED 2014/68/EU compliant for group 2 gases.
6. Threaded connections are Rp (BSP Parallel) to ISO 7-1 or NPT to ANSI/ASME B1.20.1 if supplied within North America. Rc (BSP Taper) to ISO 7-1 also available.
7. For NPT threads, add the suffix N, e.g., SF0070NRXA, and for Rc threads add the suffix C, e.g. SF0070CRXA.
8. Filters are suitable for use with mineral and synthetic oils plus oil-free compressed air applications.
9. Filter elements should be changed every 12 months / 8000 hours (whichever comes first). Activated Carbon Filter elements should be changed at least every 6 months.
10. These filters are manufactured and tested in a controlled environment to ensure that traces of silicone or paint wetting impairment substances (PWIS) are not present on the components used, or unintentionally introduced during the production process. While the product itself does not contain significant traces of such substances, they are not designed to remove pre-existing silicone contaminants from the air stream.
11. All Walker Filtration Alpha Filters are compliant with FDA requirements for food contact as per (CFR), Title 21.

Alpha Medical Sterile Filters

Models | A30006MS to A31500MS

Flow Rates:	6 SCFM (10 Nm³/hr) to 1500 SCFM (2550 Nm³/hr)
Working pressure:	4 barg to 20.7 barg
Operating Temperature:	1ºC to 120ºC
Connections:	⅛ to 3 inches

Our range of Alpha Series Medical Sterile Filters has been specifically designed for medical compressed air plants, as used in hospitals throughout the world. This range is designed to comply with the requirements of the UK Health Technical Memorandum (HTM) 02-01 guidance.

- **International Validation Designed to exceed the requirements of HTM 02-01 medical gas pipeline systems**
- **Simplified Serviceability Ribbed bowl design and unique push fit elements ensure quick and reliable maintenance**
- **Product Safety in Mind Guaranteed safe housing closure with rotational safety stop**
- **Corrosion Protection Internal and external electrophoretic paint finish followed by a tough polyester powder coating**
- **Flexible Installation Modular design and accessible fixings enable simple close coupling assembly**
- **Robust and Sterilisable Materials Manufactured from cast aluminium alloy for enhanced strength and protection**



65DPIB
(Differential pressure indicator)

MBK3052
(Mounting Bracket Kit)

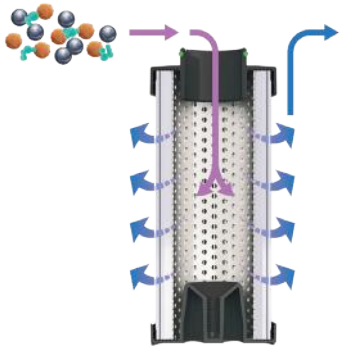


CNK3052
(Connecting Kit)

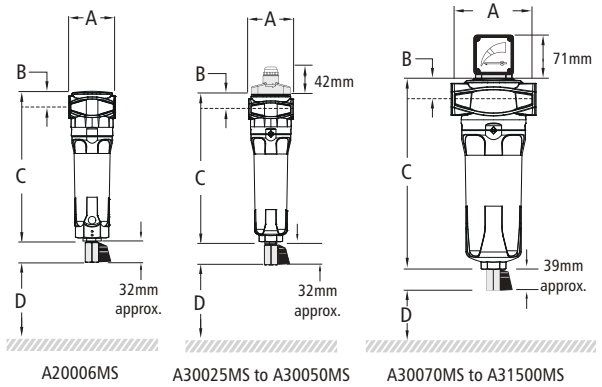


Filter Element
SR (0.01 micron)

Manual drain valves (MDV25 on models A30006MS to A30050MS and MDVE25 on models A30070MS to A31500MS) are fitted as standard



Coalescing;
Flows inside to out



A20006MS | A30025MS to A30050MS | A30070MS to A31500MS

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Replacements and Spare Parts (refer to page 143)

Alpha Medical Sterile Filters

Filter model	Pipe size inches	Inlet flow rate*		Dimensions mm				Weight Kg	Complete price (£)	Element model	Element price (£)
		Nm³/h	SCFM	A	B	C	D				
A30006MS	⅛	9	6	50	17	157	60	0.3		**E30306SR**	
A30015MS	¼	25	15	50	17	157	60	0.3		**E30306SR**	
A30025MS	¼	42	25	70	23	231	70	0.6		**E30408SR**	
A30032MS	⅜	54	32	70	23	231	70	0.6		**E30408SR**	
A30050MS	½	85	50	70	23	231	70	0.6		**E30412SR**	
A30070MS	½	119	70	127	32	285	80	1.7		**E30612SR**	
A30085MS	¾	144	85	127	32	285	80	1.7		**E30612SR**	
A30105MS	1	169	100	127	32	285	80	1.7		**E20612SR**	
A30125MS	¾	201	119	127	32	370	80	2.0		**E20621SR**	
A30175MS	1	297	175	127	32	370	80	2.0		**E30621SR**	
A30280MS	1¼	476	280	140	41	476	85	3.0		**E30731SR**	
A30320MS	1½	544	320	140	41	476	85	3.0		**E30731SR**	
A30400MS	1½	680	400	170	53	508	100	4.9		**E30831SR**	
A30450MS	2	765	450	170	53	508	100	4.9		**E30831SR**	
A30700MS	2	1189	700	170	53	708	100	5.5		**E30850SR**	
A30850MS	2½	1444	850	220	70	736	100	10.5		**E31140SR**	
A30900MS	3	1529	900	220	70	736	100	10.5		**E31140SR**	
A31250MS	3	2124	1250	220	70	857	100	11.5		**E31160SR**	
A31500MS	3	2550	1500	220	70	1005	100	12.5		**E31175SR**	

* Rated flow at 7 barg, reference conditions 1 bar (a) 20°C

Grade	SR	
DOP efficiency**	>99.9999%	
Particle removal	0.01 micron	
Pressure loss - clean & dry	100 mbar	1.5 psi
Pressure loss - element change	At least every 6 months	
Maximum autoclave temperature	134°C	273°F
Maximum operating temperature	120°C	248°F
Recommended operating temperature	50°C	122°F
Maximum working pressure	20.7 barg	300 psig
Element end cap material	**Stainless Steel**	

** as specified in HTM 02-01 medical gas pipeline systems

Pressure correction factor	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure														
Operating pressure barg (psig)	0.3 (4)	0.6 (9)	1 (14.5)	2 (29)	3 (44)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)	20 (300)
7 barg - correction factor	0.21	0.29	0.38	0.53	0.65	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51	1.73

Technical Notes

1. Filter element endcaps are stainless steel
2. Direction of air flow is outside to in through the filter element.
3. Pop Up Indicator (65DPUG3) is fitted to models A30025 to A30050 as standard. Differential Pressure Gauge (65DPIG) is fitted to models A30070 to A31500 as standard.
4. Manual Drain Valves (MDV25 on models A20006MS to A30050MS and MDVE25 on models A30070MS to A31500MS) are fitted as standard.
5. Medical Sterile Filter elements must not operate in water or oil saturated conditions.
6. Maximum steam sterilising autoclave temperature refers to the filter element ONLY. Grade SR filter elements can be steam sterilised 100 times. Each element must be autoclaved before commencement of duty.
7. Pre-filtration should be used in conjunction with 0.01 micron sterile filters.
8. Threaded filters are manufactured from cast aluminium alloy and are PED 2014/68/EU compliant for group 2 gases.
9. Standard threaded connections are Rp (BSP Parallel) to ISO 7-1 or NPT to ANSI/ASME B1.20.1 if supplied within North America. Rc (BSP Taper) to ISO 7-1 also available.
10. For NPT threads, add the suffix N, e.g., A30070NMS, and for Rc threads add the suffix C, e.g. A30070CMS.
11. Filter elements should be changed at least every 6 months.
12. Filters are suitable for use in dry air conditions only, as any liquids passing through the filter could carry bacteria and compromise sterility.
13. All Walker Filtration Alpha Filters are compliant with FDA requirements for food contact as per (CFR), Title 21.

Alpha Oxygen Coalescing and Particulate Filters

Models | O20006 to O21500

Flow Rates:	5.7 SCFM (9.5 Nm³/hr) to 1536.0 SCFM (2422.5 Nm³/hr)
Working pressure:	4 barg to 20.7 barg
Operating Temperature:	1ºC to 120ºC
Connections:	⅛ to 3 inches

Our Oxygen Filters have a specialised manufacturing process that is suitable for use in an oxygen enriched gas flow. This range offers a safe, reliable, and energy efficient filtration solution that is cleaned for oxygen service in accordance with ASTM G93/G93M.

- **Market Leading Performance Custom engineered filtration media delivers optimum performance in line with air quality standard ISO 8573-1: 2010, and significantly reduced pressure loss of <125 mbar across X1 and XA grades**
- **Simplified Serviceability Externally accessible drain, profiled bowl design, and unique push fit elements ensure quick and reliable maintenance**
- **Flow-Optimised Design Advanced filter head design for optimised flow performance**
- **Corrosion Protection Internal and external electrophoretic paint finish followed by a tough exterior polyester powder coating**
- **Suitable for Oxygen Service Oxygen Filters are specially designed, cleaned, and packaged, to ensure all combustible components are removed from the filter to prevent risk of ignition**
- **Product Safety in Mind Guaranteed safe housing closure with rotational safety stop**

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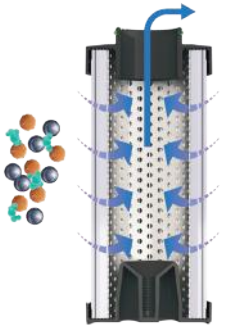
MBK3052
(Mounting Bracket Kit)



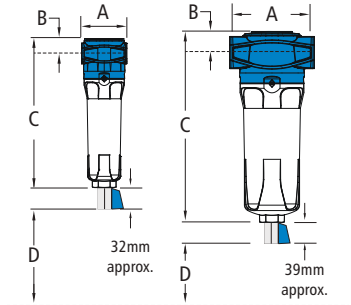
CNK3052
(Connecting Kit)

Filter Element
X25 / RX25 (25 micron)
X5 / RX5 (5 micron)
X1 / RX1 (1 micron)
XA / RXA (0.01 micron)

All Oxygen Filters are fitted as standard with Manual Drain Valves, VMDV25 on models O20006 to O20050, VMDVE25B on models O20070 to O20700, and VMDVE25M on models O20850 to O21500



Particulate;
Flows outside to in



O20006 to O20050 | O20070 to O21500

Replacements and Spare Parts (refer to page 143)

Alpha Oxygen - Coalescing and Particulate Filters

Coalescing and Particulate models	Pipe size inches	Inlet flow rate*		Dimensions mm				Weight Kg	Complete price (£)	Element model	Element price (£)
		Nm³/hr	SCFM	A	B	C	D				
O20006 (grade)	⅛	9.5	5.7	50	17	157	60	0.3		**EO20306 (grade)**	
O20015 (grade)	¼	23.8	14.3	50	17	157	60	0.3		**EO20306 (grade)**	
O20025 (grade)	¼	39.9	23.8	70	23	231	70	0.6		**EO20408 (grade)**	
O20032 (grade)	⅜	51.3	30.4	70	23	231	70	0.6		**EO20408 (grade)**	
O20050 (grade)	½	80.8	47.5	70	23	231	70	0.6		**EO20412 (grade)**	
O20070 (grade)	½	113.1	66.5	127	32	285	80	1.7		**EO20612 (grade)**	
O20085 (grade)	¾	136.8	80.8	127	32	285	80	1.7		**EO20612 (grade)**	
O20105 (grade)	1	169.1	99.8	127	32	285	80	1.7		**EO20612 (grade)**	
O20125 (grade)	¾	201.4	118.8	127	32	370	80	2.0		**EO20621 (grade)**	
O20175 (grade)	1	282.2	166.3	127	32	370	80	2.0		**EO20621 (grade)**	
O20280 (grade)	1¼	452.2	266.0	140	41	476	85	3.0		**EO20731 (grade)**	
O20320 (grade)	1½	516.8	304.0	140	41	476	85	3.0		**EO20731 (grade)**	
O20400 (grade)	1½	646.0	380.0	170	53	508	100	4.9		**EO20831 (grade)**	
O20450 (grade)	2	726.8	427.5	170	53	508	100	4.9		**EO20831 (grade)**	
O20700 (grade)	2	1129.6	665.0	170	53	708	100	5.5		**EO20850 (grade)**	
O20850 (grade)	2½	1371.8	807.5	220	70	736	100	10.5		**EO21140 (grade)**	
O20900 (grade)	3	1452.6	855.0	220	70	736	100	10.5		**EO21140 (grade)**	
O21250 (grade)	3	2018.8	1187.5	220	70	857	100	11.5		**EO21160 (grade)**	
O21500 (grade)	3	2422.5	1425.0	220	70	1005	100	12.5		**EO21175 (grade)**	

* Rated flow at 7 barg, reference conditions 1 bar (a) 20°C, calculated using 0.95 Gas Density Factor based on 93% oxygen saturation

Grade	X25 / RX25		X5 / RX5		X1 / RX1		XA / RXA	
Particle removal	25 micron		5 micron		1 micron		0.01 micron	
Max particle size class**	-		4		3		1	
Max oil content**	-		4		3		1	
Max oil carryover at 20°C (68°F)	10 mg/m³		5 mg/m³		0.3 mg/m³		0.01 mg/m³	
Pressure loss - clean & dry	30 mbar	0.4 psi	40 mbar	0.6 psi	55 mbar	0.8 psi	85 mbar	1.2 psi
Pressure loss - saturated	50 mbar	0.7 psi	75 mbar	1.1 psi	125 mbar	1.8 psi	125 mbar	1.8 psi
Pressure loss - element change	12 mths	8000 hrs	12 mths	8000 hrs	12 mths	8000 hrs	12 mths	8000 hrs
Max temperature	120°C	248°F	120°C	248°F	120°C	248°F	120°C	248°F
Max working pressure	20.7 barg	300 psig	20.7 barg	300 psig	20.7 barg	300 psig	20.7 barg	300 psig
Max autoclave temperature	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Element end cap colour	Black							

** to ISO 8573-1: 2010

Pressure correction factors	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure									
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)	20.7 (300)
7 barg - correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51	1.73

Part Number	Part Description	Complete price (£)
VMDV25	Manually Operated Drain Valve for filter housings O20006 – O20050	
VMDVE25B	Manually Operated Drain Valve for filter housings O20070 – O20700	
VMDVE25M	Manually Operated Drain Valve for filter housings O20850 – O21500	
O2OSK 30006-30015	Alpha Oxygen O-ring Kit for element model numbers EO20306	
O2OSK 30025-30050	Alpha Oxygen O-ring Kit for element model numbers EO20408 – EO20412	
O2OSK 30070-30175	Alpha Oxygen O-ring Kit for element model number EO20612– EO20621	
O2OSK 30280-30320	Alpha Oxygen O-ring Kit element model number EO20731	
O20SK 30400- 30700	Alpha Oxygen O-ring Kit element model number EO20831 – EO20850	
O2OSK 30850-31500	Alpha Oxygen O-ring Kit element model number EO21140 – EO21175	

Technical Notes

1. Direction of flow is inside to out through the filter element for coalescing grades (X25, X5, X1and XA), and outside to in for particulate grades (RX25, RX5, RX1 and RXA)
2. All Oxygen Filters are fitted as standard with Manual Drain Valves, VMDV25 on models O20006 to O20050, VMDVE25B on models O20070 to O20700, and VMDVE25M on models O20850 to O21500. Standard filters can operate at 20.7 barg (300 psig) range at 120°C (248°F).
3. Alpha Oxygen Filters are manufactured from cast aluminium alloy and are PED 2014/68/EU compliant for group 1 and group 2 gases.
4. Threaded connections are Rp (BSP Parallel) to ISO 7-1 or NPT to ANSI/ASME B1.20.1 if supplied within North America. Rc (BSP Taper) to ISO 7-1 also available.
5. Filters are suitable for use with mineral and synthetic oils plus oil-free compressed air applications.
6. Filter elements should be changed every 12 months / 8000 hours (whichever comes first).
7. Walker Filtration genuine spare and aftermarket parts must be used, failure to do so will void product warranty. Walker Filtration shall not be held liable for damages suffered by the customer if Walker Filtration genuine oxygen rated spare and aftermarket parts are not used.
8. All Walker Filtration Alpha Oxygen Filters are produced from high quality, non-toxic, naturally inert raw materials and constituents, in accordance with FDA requirements for food contact as per Code of Federal Regulation (CFR), Title 21.
9. Other filtration grades are available. Please contact sales for specific requests.
10. For NPT threads, add the suffix N, e.g. O20070NXA, and for Rc threads add the suffix C e.g. O20070CXA.

Alpha Oxygen Medical Sterile Filters

Models | O20006MS to O21500MS

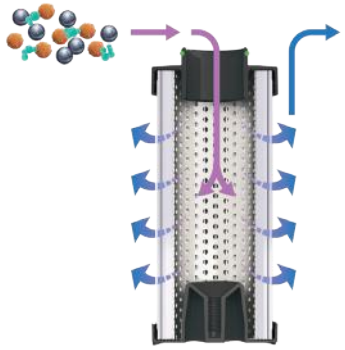
Flow Rates:	5.7 SCFM (9.5 Nm³/hr) to 1536.0 SCFM (2422.5 Nm³/hr)
Working pressure:	4 barg to 20.7 barg
Operating Temperature:	1ºC to 120ºC
Connections:	⅛ to 3 inches

Our Medical Sterile Oxygen Filters are designed to exceed the requirements of HTM 02-01 medical gas pipeline systems and also meet the required cleanliness, material and filtration standards for medical oxygen in accordance with ASTM G93/G93M.

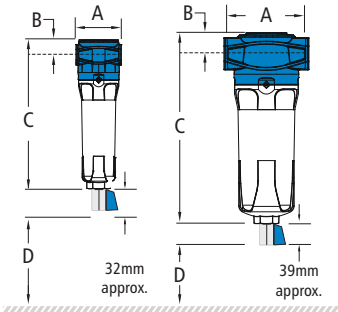
- **International Validation Designed to exceed the requirements of HTM 02-01 medical gas pipeline systems**
- **Simplified Serviceability Externally accessible drain, profiled bowl design, and unique push fit elements ensure quick and reliable maintenance**
- **Flow-Optimised Design Advanced filter head design for optimised flow performance**
- **Corrosion Protection Internal and external electrophoretic paint finish followed by a tough exterior polyester powder coating**
- **Suitable for Oxygen Service Oxygen Filters are specially designed, cleaned, and packaged, to ensure all combustible components are removed from the filter to prevent risk of ignition**
- **Product Safety in Mind Guaranteed safe housing closure with rotational safety stop**



All Oxygen Filters are fitted as standard with Manual Drain Valves, VMDV25 on models O20006 to O20050, VMDVE25B on models O20070 to O20700, and VMDVE25M on models O20850 to O21500.



Coalescing; Flows inside to out



O20006MS to O20050MS

O20070MS to O21500MS

Replacements and Spare Parts (refer to page 143)

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Alpha Oxygen - Medical Sterile Filters

Filter model	Pipe size inches	Inlet flow rate*		Dimensions mm				Weight Kg	Complete price (£)	Element model	Element price (£)
		Nm³/hr	SCFM	A	B	C	D				
O20006MS	1/8	9.5	5.7	50	17	157	60	0.3		**EO20306SR**	
O20015MS	¼	23.8	14.3	50	17	157	60	0.3		**EO20306SR**	
O20025MS	¼	39.9	23.8	70	23	231	70	0.6		**EO20408SR**	
O20032MS	3/8	51.3	30.4	70	23	231	70	0.6		**EO20408SR**	
O20050MS	½	80.8	47.5	70	23	231	70	0.6		**EO20412SR**	
O20070MS	½	113.1	66.5	127	32	285	80	1.7		**EO20612SR**	
O20085MS	¾	136.8	80.8	127	32	285	80	1.7		**EO20612SR**	
O20105MS	1	169.1	99.8	127	32	285	80	1.7		**EO20612SR**	
O20125MS	¾	201.4	118.8	127	32	370	80	2.0		**EO20621SR**	
O20175MS	1	282.2	166.3	127	32	370	80	2.0		**EO20621SR**	
O20280MS	1¼	452.2	266.0	140	41	476	85	3.0		**EO20731SR**	
O20320MS	1½	516.8	304.0	140	41	476	85	3.0		**EO20731SR**	
O20400MS	1½	646.0	380.0	170	53	508	100	4.9		**EO20831SR**	
O20450MS	2	726.8	427.5	170	53	508	100	4.9		**EO20831SR**	
O20700MS	2	1129.6	665.0	170	53	708	100	5.5		**EO20850SR**	
O20850MS	2½	1371.8	807.5	220	70	736	100	10.5		**EO21140SR**	
O20900MS	3	1452.6	855.0	220	70	736	100	10.5		**EO21140SR**	
O21250MS	3	2018.8	1187.5	220	70	857	100	11.5		**EO21160SR**	
O21500MS	3	2422.5	1425.0	220	70	1005	100	12.5		**EO21175SR**	

* Rated flow at 7 barg, reference conditions 1 bar (a) 20°C, calculated using 0.95 Gas Density Factor based on 93% oxygen saturation

Grade	SR	
DOP efficiency**	>99.9999%	
Particle removal	0.01 micron	
Maximum operating temperature	120°C	248°F
Recommended operating temperature	50°C	122°F
Maximum autoclave temperature	134°C	273°F
Pressure Loss - clean & dry	100 mbar	1.5 psi
Pressure loss - element change	12 months	8000 hrs
Maximum working pressure	20.7 barg	300 psig
Element end cap material	**Stainless steel**	

** As specified in HTM 02-01 medical gas pipeline systems

Pressure correction factors	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure									
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)	20.7 (300)
7 barg - correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51	1.73

Part Number	Part Description	Complete price (£)
VMDV25	Manually Operated Drain Valve for filter housings O20006 – O20050	
VMDVE25B	Manually Operated Drain Valve for filter housings O20070 – O20700	
VMDVE25M	Manually Operated Drain Valve for filter housings O20850 – O21500	
O2OSK 30006-30015	Alpha Oxygen O-ring Kit for element model numbers EO20306	
O2OSK 30025-30050	Alpha Oxygen O-ring Kit for element model numbers EO20408 – EO20412	
O2OSK 30070-30175	Alpha Oxygen O-ring Kit for element model number EO20612– EO20621	
O2OSK 30280-30320	Alpha Oxygen O-ring Kit element model number EO20731	
O20SK 30400- 30700	Alpha Oxygen O-ring Kit element model number EO20831 – EO20850	
O2OSK 30850-31500	Alpha Oxygen O-ring Kit element model number EO21140 – EO21175	

Technical Notes

1. Direction of air flow is inside to out through the filter element. Filter element end caps are stainless steel.
2. All Oxygen Filters are fitted as standard with Manual Drain Valves, VMDV25 on models O20006 to O20050, VMDVE25B on models O20070 to O20700, and VMDVE25M on models O20850 to O21500. Standard filters can operate at 20.7 barg (300 psig) range at 120°C (248°F).
3. Alpha Oxygen Filters are manufactured from cast aluminium alloy and are PED 2014/68/EU compliant for group 1 and group 2 gases.
4. Threaded connections are Rp (BSP Parallel) to ISO 7-1 or NPT to ANSI/ASME B1.20.1 if supplied within North America. Rc (BSP Taper) to ISO 7-1 also available.
5. Pre-filtration should be used in conjunction with 0.01 micron sterile filters.
6. Medical Sterile Filter elements must not operate in water or oil saturated conditions and should be changed at least every 6 months.
7. Maximum steam sterilising autoclave temperature refers to the filter element ONLY. Oxygen grade SR filter elements can be steam sterilised 100 times. Each element must be autoclaved before commencement of duty.
8. Each element is supplied with an Air Sterilisation Certificate to guarantee the highest quality to our customers.
9. Oxygen SR grade filters are suitable for use in dry air conditions only, as any liquids passings through the filter could carry bacteria and compromise sterility.
10. Walker Filtration genuine spare and aftermarket parts must be used, failure to do so will void product warranty. Walker Filtration shall not be held liable for damages suffered by the customer if Walker Filtration genuine oxygen rated spare and aftermarket parts are not used.
11. All Walker Filtration Alpha Oxygen Filters are produced from high quality, non-toxic, naturally inert raw materials and constituents, in accordance with FDA requirements for food contact as per Code of Federal Regulation (CFR), Title 21.
12. For NPT threads, add the suffix N, e.g. O20070NMS, and for Rc threads add the suffix C e.g. O20070CMS.

CNG - Water Separators

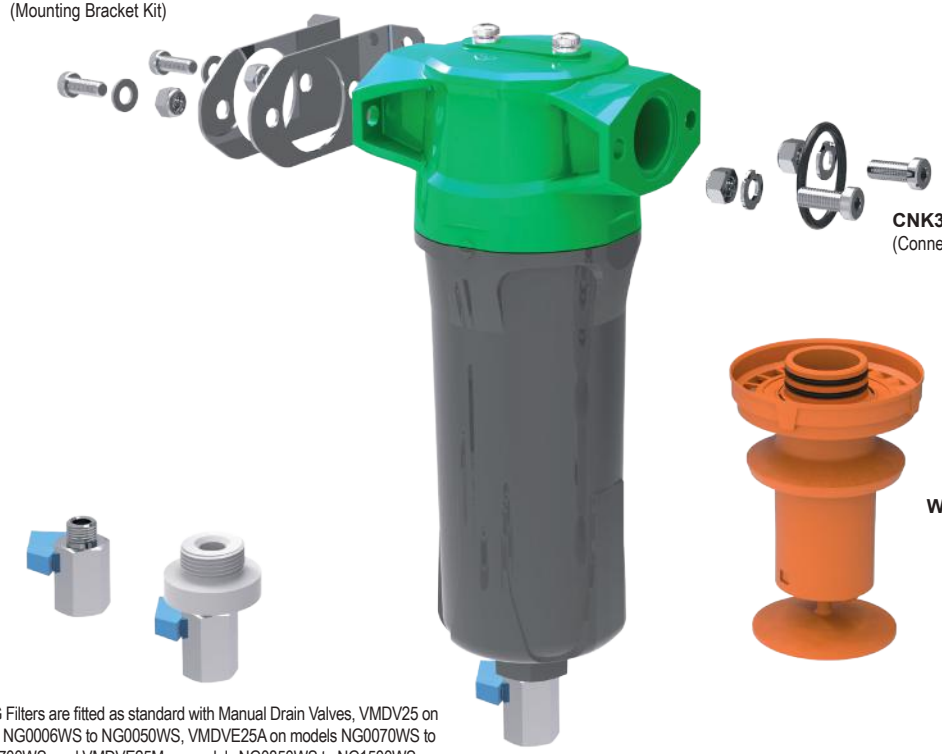
Models | NG0006 to NG1500

Flow Rates:	7.6 SCFM (12.1 Nm³/hr) to 1926.7 SCFM (3092.3 Nm³/hr)
Working pressure:	4 barg to 20.7 barg
Operating Temperature:	1ºC to 120ºC
Connections:	⅛ to 3 inches

Alpha CNG Water Separators are specially designed to deliver continuously low differential pressure and reduce the risk of contamination and damage caused high levels of moisture. By combining proven Alpha centrifugal technology with a specialist CNG construction, 99% bulk water removal when tested in accordance with ISO 12500-4.

- **Energy Saving Water Separators operate with consistently low differential pressure, reducing both energy consumption and operating costs**
- **Market Leading Performance Custom engineered to protect your natural gas system and sensitive instruments from contamination**
- **Corrosion Protection High-grade, cast aluminium filter housing with internal and external electrophoretic paint finished, followed by tough exterior polyester powder coating**
- **Conforms with International Standards Validated according to ISO 8573, all filters**

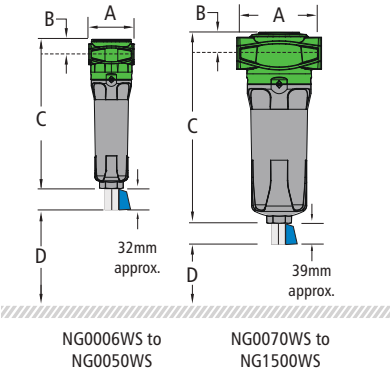
MBK3052
(Mounting Bracket Kit)



CNK3052
(Connecting Kit)

WS - Filter Element

All CNG Filters are fitted as standard with Manual Drain Valves, VMDV25 on models NG0006WS to NG0050WS, VMDVE25A on models NG0070WS to NG0700WS, and VMDVE25M on models NG0850WS to NG1500WS.



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Replacements and Spare Parts (refer to page 143)

CNG - Water Separators

Filter model	Pipe size inches	Inlet flow rate		Dimensions mm				Weight Kg	Complete price (£)
		Nm³/hr	SCFM	A	B	C	D		
NG0006WS	⅛	12.1	7.6	50	17	157	60	0.3	
NG0015WS	¼	30.3	18.9	50	17	157	60	0.3	
NG0025WS	¼	50.9	31.7	70	23	231	70	0.6	
NG0032WS	⅜	65.5	40.8	70	23	231	70	0.6	
NG0050WS	½	103.1	64.2	70	23	231	70	0.6	
NG0070WS	½	144.3	89.9	127	32	285	80	1.7	
NG0125WS	¾	257.1	160.2	127	32	285	80	1.7	
NG0175WS	1	360.2	224.4	127	32	285	80	1.7	
NG0280WS	1¼	577.2	359.7	140	41	476	85	3.0	
NG0320WS	1½	659.7	411.0	140	41	476	85	3.0	
NG0400WS	1½	824.6	513.8	170	53	508	100	4.9	
NG0700WS	2	1441.9	898.4	170	53	508	100	4.9	
NG0850WS	2½	1751.1	1091.0	220	70	420	100	8.0	
NG1500WS	3	3092.3	1926.72	220	70	420	100	8.0	

Grade	WS	
Minimum recommended operating temperature	1ºC	34ºF
Maximum recommended operating temperature	120ºC	248ºF
Maximum working pressure - Manual Drain	20.7 barg	300 psig

Pressure correction factor	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure									
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)	20.7 (300)
7 barg - correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51	1.73

Technical Notes

1. All CNG Filters are fitted as standard with Manual Drain Valves, VMDV25 on models NG0006WS to NG0050WS, VMDVE25A on models NG0070WS to NG0700WS, and VMDVE25M on models NG0850WS to NG1500WS. Standard filters can operate at 20.7 barg (300 psig) range at 120°C (248°F).
2. Alpha CNG Filters are manufactured from cast aluminium alloy and are PED 2014/68/EU compliant for group 1 and group 2 gases.
3. Threaded connections are Rp (BSP Parallel) to ISO 7-1 or NPT to ANSI/ASME B1.20.1 if supplied within North America. Rc (BSP Taper) to ISO 7-1 also available.
4. For NPT threads, add the suffix N, e.g. NG0006NWS, and for RC threads add the suffix C. e.g. NG0006CWS
5. Walker Filtration genuine spare and aftermarket parts must be used, failure to do so will void product warranty. Walker Filtration shall not be held liable for damages suffered by the customer if Walker Filtration genuine CNG rated spare and aftermarket parts are not used.
6. All Walker Filtration Alpha CNG Filters are produced from high quality, non-toxic, naturally inert raw materials and constituents, in accordance with FDA requirements for food contact as per Code of Federal Regulation (CFR), Title 21.

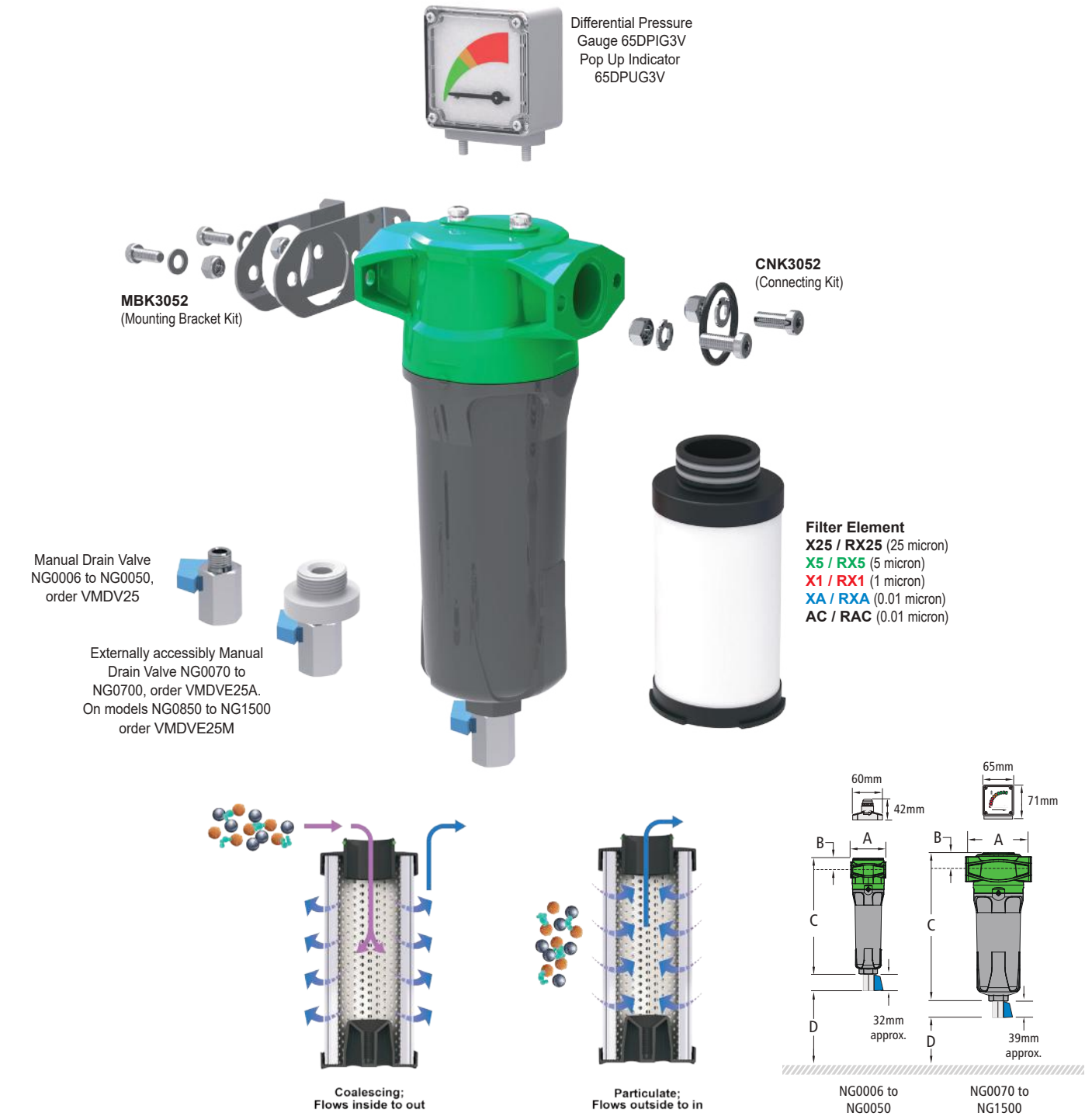
CNG Coalescing and Particulate Filters

Models | NG0006 to NG1500

Flow Rates:	7.6 SCFM (12.1 Nm³/hr) to 1926.7 SCFM (3092.3 Nm³/hr)
Working pressure:	4 barg to 20.7 barg
Operating Temperature:	1°C to 120°C
Connections:	⅛ to 3 inches

Walker Filtration's New CNG filters are designed specially for the filtration of compressed natural gas. Available in both coalescing and particulate (dust) filtration grades, from 25 to 0.01 micron, and Activated Carbon. This range is suitable for lower flow applications with operating pressures up to 20.7 barg (300 psig) and temperatures up to 120°C (248°F).

- **Flow-Optimised Design Advanced filter head design for optimised flow performance**
- **Market Leading Performance Custom engineered to protect your natural gas system and sensitive instruments from contamination. Filtration media delivers optimum performance in line with air quality standard ISO 8573-1: 2010**
- **Simplified Serviceability Externally accessible drain, profiled bowl design and unique push fit elements ensure quick and reliable maintenance. No replacement components are required, ensuring cost effectiveness**
- **Colour Coded Element End Caps Easy and accurate grade identification and green viton O-rings to differentiate Natural Gas Compatible elements**
- **Conforms with International Standards Validated according to ISO8573, all filters are CRN registered and comply with EU pressure Equipment Directive 2014/68/EU (PED)**



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Replacements and Spare Parts (refer to page 143)

CNG - Coalescing and Particulate Filters

Coalescing and Particulate Filter model	Pipe size inches	Inlet flow rate		Dimensions mm				Weight Kg	Complete price (£)	Element model	Element price (£)
		Nm³/hr	SCFM	A	B	C	D				
NG0006 (grade)	⅛	12.1	7.6	50	17	157	60	0.3		**ENG0306 (grade)**	
NG0015 (grade)	¼	30.3	18.9	50	17	157	60	0.3		**ENG0306 (grade)**	
NG0025 (grade)	¼	50.9	31.7	70	23	231	70	0.6		**ENG0408 (grade)**	
NG0032 (grade)	⅜	65.5	40.8	70	23	231	70	0.6		**ENG0408 (grade)**	
NG0050 (grade)	½	103.1	64.2	70	23	231	70	0.6		**ENG0412 (grade)**	
NG0070 (grade)	½	144.3	89.9	127	32	285	80	1.7		**ENG0612 (grade)**	
NG0085 (grade)	¾	174.6	108.8	127	32	285	80	1.7		**ENG0612 (grade)**	
NG0105 (grade)	1	215.9	134.0	127	32	285	80	1.7		**ENG0612 (grade)**	
NG0125 (grade)	¾	257.1	160.2	127	32	370	80	2.0		**ENG0621 (grade)**	
NG0175 (grade)	1	360.2	224.4	127	32	370	80	2.0		**ENG0621 (grade)**	
NG0280 (grade)	1¼	577.2	359.7	140	41	476	85	3.0		**ENG0731 (grade)**	
NG0320 (grade)	1½	659.7	411.0	140	41	476	85	3.0		**ENG0731 (grade)**	
NG0400 (grade)	1½	824.6	513.8	170	53	508	100	4.9		**ENG0831 (grade)**	
NG0450 (grade)	2	927.7	578.0	170	53	508	100	4.9		**ENG0831 (grade)**	
NG0700 (grade)	2	1441.9	898.4	170	53	708	100	5.5		**ENG0850 (grade)**	
NG0850 (grade)	2½	1751.1	1091.0	220	70	736	100	10.5		**ENG1140 (grade)**	
NG0900 (grade)	3	1854.2	1155.3	220	70	736	100	10.5		**ENG1140 (grade)**	
NG1250 (grade)	3	2576.9	1605.6	220	70	857	100	11.5		**ENG1160 (grade)**	
NG1500 (grade)	3	3092.3	1926.7	220	70	1005	100	12.5		**ENG1175 (grade)**	

Grade	X25 / RX25		X5 / RX5		X1 / RX1		XA / RXA		AC / RAC	
Particle removal	25 micron		5 micron		1 micron		0.01 micron		0.01 micron	
Max particle size class*	-		4		3		1		1	
Max oil content*	-		4		3		1		1	
Max oil carryover at 20°C (68°F) coalescing	10 mg/m³		5 mg/m³		0.3 mg/m³		0.01 mg/m³		0.003 mg/m³	
Max oil carryover at 20°C (68°F) particulate	N/A		N/A		N/A		N/A		0.003 mg/m³	
Pressure loss - clean & dry coalescing	30 mbar	0.4 psi	40 mbar	0.6 psi	55 mbar	0.8 psi	85 mbar	1.2 psi	115 mbar	1.7 psi
Pressure loss - clean & dry particulate	30 mbar	0.4 psi	40 mbar	0.6 psi	75 mbar	1.1 psi	100 mbar	1.5 psi	75 mbar	1.1 psi
Pressure loss - saturated coalescing	50 mbar	0.7 psi	75 mbar	1.1 psi	125 mbar	1.8 psi	125 mbar	1.8 psi	N/A	N/A
Pressure loss - saturated particulate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pressure loss - element change	12 mths	8000 hrs	12 mths	8000 hrs	12 mths	8000 hrs	12 mths	8000 hrs	at least every 6 months	
Max temperature	120°C	248°F	120°C	248°F	120°C	248°F	120°C	248°F	50°C***	122°F***
Max working pressure	20.7 barg	300 psig	20.7 barg	300 psig	20.7 barg	300 psig	20.7 barg	300 psig	20.7 barg	300 psig
Element end cap colour	Black		Green		Red		Blue		Black	

* to ISO 8573-1: 2010

Pressure correction factor	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure									
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)	20.7 (300)
7 barg - correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51	1.73

Technical Notes

1. Direction of flow is inside to out through the filter element for coalescing grades (X25, X5, X1, XA and AC), and outside to in for particulate grades (RX25, RX5, RX1, RXA and RAC))
2. All CNG Filters are fitted as standard with Manual Drain Valves, VMDV25 on models NG0006 to NG0050, VMDVE25A on models NG0070 to NG0700, and VMDVE25M on models NG0850 to NG1500. Standard filters can operate at 20.7 barg (300 psig) range at 120°C (248°F).
3. Pop Up Indicators (65DPUG3V) are fitted to models NG0025 to NG0050 as standard. Differential Pressure Indicators (65DPIG3V) are fitted to models NG0070 to NG1500 as standard. Activated Carbon (AC) grade filters do not include DP equipment.
4. Alpha CNG Filters are manufactured from cast aluminium alloy and are PED 2014/68/EU compliant for group 1 and group 2 gases.
5. Threaded connections are Rp (BSP Parallel) to ISO 7-1 or NPT to ANSI/ASME B1.20.1 if supplied within North America. Rc (BSP Taper) to ISO 7-1 also available.
6. For NPT threads, add the suffix N, e.g. NG0006NXA, and for RC threads add the suffix C. e.g. NG0006CXA
7. Filter elements should be changed every 12 months / 8000 hours (whichever comes first), or at least every 6 months for activated carbon.
8. Walker Filtration genuine spare and aftermarket parts must be used, failure to do so will void product warranty. Walker Filtration shall not be held liable for damages suffered by the customer if Walker Filtration genuine spare and aftermarket parts are not used.
9. All Walker Filtration Alpha CNG Filters are produced from high quality, non-toxic, naturally inert raw materials and constituents, in accordance with FDA requirements for food contact as per Code of Federal Regulation (CFR), Title 21.

Ammonia and Refrigerant Filters

Models | C025 to C201	
Flow Rates:	6 SCFM (10 Nm³/hr) to 1500 SCFM (2550 Nm³/hr)
Working pressure:	4 barg to 16 barg
Operating Temperature:	1ºC to 120ºC
Connections:	⅛ to 3 inches

Ammonia and Refrigerant Filters have been designed for use in specialist applications where the quality and cleanliness of gas needs to be maintained to the highest level.

- **Advanced Filtration Technology Custom engineered filtration media delivers exceptional filtration with minimal pressure drop**
- **Quality Control All Ammonia and Refrigerant Filters are PED compliant for Group 1 Gasses**
- **Push Fit Element Design Uniquely designed 'push fit' elements streamlines element change out to reduce maintenance time and allow the filter to be located within the most confined places**
- **Supplied as standard with a drain plug High pressure drains available upon request**

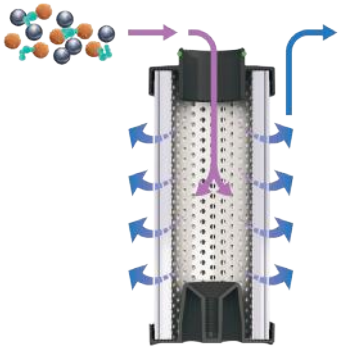




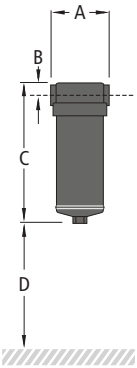
Filter Element
X1 NH_3 (1 micron)
XA NH_3 (0.01 micron)



Manual Drain Valve
MDV25



Coalescing;
Flows inside to out



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Replacements and Spare Parts (refer to page 143)

Ammonia and Refrigerant Filters

Filter model	Pipe size inches	Inlet flow rate*		Dimensions mm				Weight Kg	Complete price (£)	Element model	Element price (£)
		Nm³/h	SCFM	A	B	C	D				
C025 (grade)	¼	35	20	85	18	170	75	1.7		**E050 (grade) NH3**	
C037 (grade)	⅜	52	30	85	18	205	100	2.0		**E051 (grade) NH3**	
C050 (grade)	½	108	63	85	18	255	100	2.2		**E052 (grade) NH3**	
C075 (grade)	¾	216	127	110	27	270	150	4.0		**E715 (grade) NH3**	
C101 (grade)	1	300	176	110	27	420	300	5.0		**E730 (grade) NH3**	
C150 (grade)	1½	725	427	150	45	525	300	15.0		**E830 (grade) NH3**	
C200 (grade)	2	800	470	150	45	525	300	15.0		**E830 (grade) NH3**	
C201 (grade)	2	1150	675	150	45	825	500	21.0		**E86 (grade) NH3**	

* Rated flow at 7 barg, reference conditions 1 bar (a) 20°C

Grade	X1 NH_3		XA NH_3	
Particle removal	1 micron		0.01 micron	
Maximum temperature	120°C	248°F	120°C	248°F
Pressure loss - clean & dry	75 mbar	1.1 psi	100 mbar	1.5 psi
Pressure loss - oil saturated	150 mbar	2.2 psi	300 mbar	4.4 psi
Pressure loss - change element	400 mbar	6.0 psi	400 mbar	6.0 psi
Maximum working vacuum	16 barg	232 psig	16 barg	232 psig
Pressure loss - change element	Full Vacuum		Full Vacuum	
Element end cap material	**Stainless Steel**		**Stainless Steel**	

Pressure correction factor	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure								
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)
7 barg - correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51

Technical Notes

1. Threaded Ammonia and Refrigerant Filters are manufactured from 316L stainless steel.
2. Direction of air flow is inside to out through the filter element.
3. All models are supplied with a drain plug.
4. All Ammonia and Refrigerant Filters are PED compliant for Group 1 Gases.
5. Threaded connections are Rp (BSP parallel) to ISO 7/1 or NPT to ANSI B2.1 if supplied within North America.
6. For NPT connections, add the suffix N e.g. C200SSNXANH3.
7. Filters are suitable for use with mineral and synthetic oils, plus oil-free compressed air applications.
8. Filter elements should be changed every 12 months / 8000 hours (whichever comes first).

Heater and Filter Heater Packages

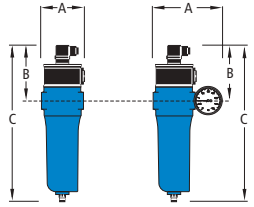
Models | A39BH to A55FTH

Flow Rates:	6 SCFM (10 Nm³/hr) to 1500 SCFM (2550 Nm³/hr)
Working pressure:	4 barg to 16 barg
Operating Temperature:	1ºC to 120ºC
Connections:	⅛ to 3 inches

Our unique range of compressed air in-line heater packages ensure variable compressed air temperature control up to 120°C (248°F), ideal for use in industrial or breathing air applications.

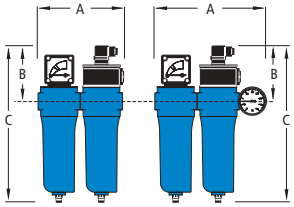
- **Combined Heating and Filtration Solutions Heaters can be supplied directly mounted to Walker Filtration pre-filters to ensure that processed air is clean**
- **Product Safety in Mind Bi-metallic thermometer located internally within the heater isolates power to the heater if temperature exceeds 125°C (257°F)**
- **Variable Temperature Control Air can be filtered and controlled at any temperature between 20°C and 120°C (68°F and 248°F) providing a versatile heater suitable for both industrial and breathing air applications**





A39BH & A55BH

A39TH & A55TH



A39FH & A55FH

A39FTH & A55FTH

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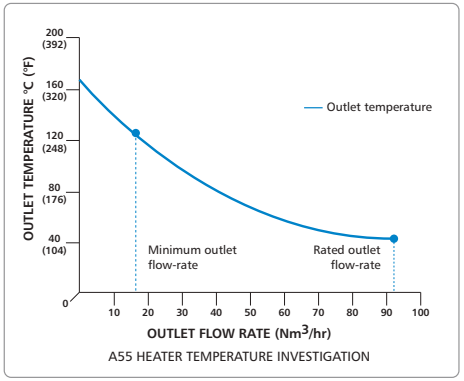
Replacements and Spare Parts (refer to page 143)

Heater and Filter Heater Packages

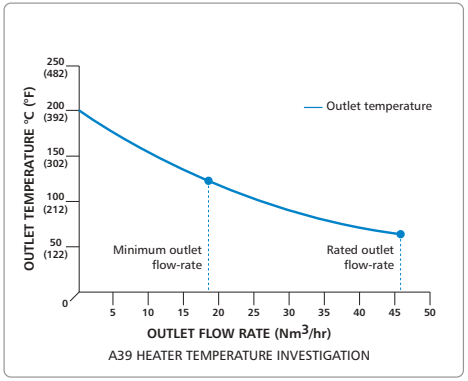
Filter model	Pipe size inches	Inlet flow rate		Dimensions mm			Weight Kg	Complete price (£)	Element model	Element price (£)
		Nm³/h	SCFM	A	B	C				
A39BH	⅜	47	27	88	130	337	1.0		-	
A39TH	⅜	47	27	138	130	337	1.3		-	
A39FH	⅜	47	27	176	130	337	2.3		**E511 XA**	
A39FTH	⅜	47	27	226	130	337	2.6		**E511 XA**	
A55BH	½	92	54	88	130	337	1.0		-	
A55TH	½	92	54	138	130	337	1.3		-	
A55FH	½	92	54	176	130	337	2.3		**E511 XA**	
A55FTH	½	92	54	226	130	337	2.6		**E511 XA**	

Model	Accessory description	Price (£)
WKN40037	Replacement heating element	
WKN40170	Replacement printed circuit board	
WKN40171	Replacement sensor	
WKN40173	Replacement thermometer	

Heater specification	230 volt AC		115 volt AC	
Supply voltage	230 volt AC-50/60Hz		115 volt AC-50/60Hz	
Power Rating (Cold Start)	1.5Kw		1.5Kw	
Power Rating (Functional State)	0.7Kw		1.37Kw	
Maximum working pressure	16 barg	232 psig	16 barg	232 psig
Controlled output temperature range	20°C to 120°C	68°F to 248°F	20°C to 120°C	68°F to 248°F
Minimum inlet temperature	-20°C	-4°F	-20°C	-4°F



A55 HEATER TEMPERATURE INVESTIGATION



A39 HEATER TEMPERATURE INVESTIGATION

Tests conducted at an ambient room temperature of 20°C

Technical Notes

1. Semi-automatic Drain Valve (SDV25) is fitted to all heaters. Float Operated Automatic Drain Valve (ADVS16) is fitted to pre-filters.
2. When liquid, oil and water are present, FH or FTH models should be specified.
3. Electrical connections to the unit are via an industry standard DIN connector.
4. When placing an order, please specify voltage required (example A39FTH-115V).
5. If used in a breathing air installation, please note adequate breathing air filtration is required prior to the heater assembly. Heater and filter packages will not remove certain types of gases, including carbon monoxide (CO) and carbon dioxide (CO_2).
6. Threaded filters are manufactured from cast aluminium alloy and are PED 2014/68/EU compliant for group 2 gases.
7. Threaded connections are Rp (BSP parallel) to ISO 7/1 or NPT to ANSI B2.1 if supplied within North America.
8. For NPT connections, add the suffix N e.g. A39BHN.
9. Minimum flow rate of 3 Nm³/h (1.7 SCFM) is recommended.
10. The internal bi-metallic strip will activate to cut the power to the heater once the outlet temperature reaches 125°C.
11. Water Separator must be used as pre-filtration.
12. See correction factors for more info.

High Temperature Dust Filters

Models | HT25 to HT201	
Flow Rates:	20 SCFM (35 Nm³/hr) to 1150 SCFM (675 Nm³/hr)
Working pressure:	4 barg to 16 barg
Operating Temperature:	250ºC to 482ºC
Connections:	¼ to 2 inches

High Temperature Dust Filters are essential for use in specialist high temperature applications. These products are used downstream of heat regenerative dryers only, where for short periods of time the temperature of the air may reach a maximum of 250°C / 482°F.

- **Walker Filtration's comprehensive collection of High Pressure Filters for compressed air with pressure ratings of 50 bar (725 psig), 100 barg (1450 psig) and 350 barg (5000 psig).**
- **Our High Pressure Filters are manufactured for a broad range of high pressure applications and are used in various applications such as: PET bottle manufacturing, offshore instrumentation, medical applications, in addition to many other heavy-duty industrial environments.**
- **Made from robust, high quality materials, these filters are designed to perform under high working pressures and offer exceptional filtration performance to protect sensitive components downstream of the filters. We offer a wide range of high pressure filtration solutions to meet your system requirements.**

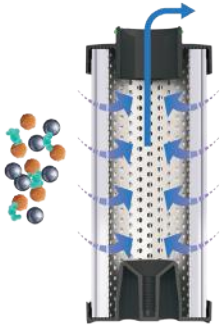




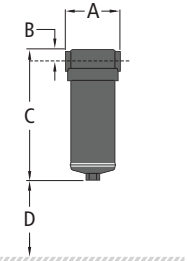
Filter Element
HRX5 (5 micron)
HRX1 (1 micron)
HRXA (0.01 micron)



Manual Drain Valve
MDV25



Particulate;
Flows outside to in



HT25 to HT201

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Replacements and Spare Parts (refer to page 143)

High Temperature Dust Filters

Filter model	Pipe size inches	Inlet flow rate		Dimensions mm				Weight Kg	Complete price (£)	Element model	Element price (£)
		Nm^3/h	SCFM	A	B	C	D				
HT25 (grade)	¼	35	20	85	18	170	75	1.7		**E50 (grade)**	
HT31 (grade)	⅜	52	30	85	18	205	100	2.0		**E51 (grade)**	
HT50 (grade)	½	108	63	85	18	225	100	2.2		**E52 (grade)**	
HT75 (grade)	¾	216	127	110	27	270	150	4.0		**E715 (grade)**	
HT101 (grade)	1	300	176	110	27	420	300	5.0		**E730 (grade)**	
HT150 (grade)	1½	725	427	150	45	525	300	15.0		**E830 (grade)**	
HT200 (grade)	2	800	470	150	45	525	300	15.0		**E830 (grade)**	
HT201 (grade)	2	1150	675	150	45	825	500	21.0		**E86 (grade)**	

Grade	HRX5		HRX1		HRXA	
Particle removal	5 micron		1 micron		0.01 micron	
Maximum temperature	250°C	482°F	250°C	482°F	250°C	482°F
Maximum working pressure	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig
Element end cap material	Stainless Steel					

Pressure correction factor	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure								
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)
7 barg - correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51

Technical Notes

1. Direction of air flow is outside to in through the filter element..
2. High Temperature Threaded Filters are supplied without a drain valve.
3. Drain ports are 1/8" on models HT25 to HT50 and ¼" on models HT75 to HT201.
4. High Temperature Filters are manufactured from 316 stainless steel and are uncoated and are PED 2014/68/EU compliant for group 2 gases.
5. Threaded connections are Rp (BSP parallel) to ISO 7/1 or NPT to ANSI B2.1 if supplied within North America.
6. For NPT connections, add the suffix N e.g. HT50HRNX5.
7. Filters are suitable for use with mineral and synthetic oils, plus oil-free compressed air applications.
8. Filter elements should be changed every 12 months / 8000 hours (whichever comes first).

50 barg Alloy High Pressure Filters

Models | 50HP25 to A50HP201	
Flow Rates:	20 SCFM (35 Nm³/hr) to 1150 SCFM (675 Nm³/hr)
Working pressure:	4 barg to 16 barg
Operating Temperature:	250ºC to 482ºC
Connections:	¼ to 2 inches

Manufactured from machined die cast aluminium, these 50 barg filters are ideally suited to a wide range of high pressure industrial applications, such as high pressure testing and PET bottle manufacturing.

- **Corrosion Resistant Aluminium housings provide a significant cost reduction in comparison to stainless steel housings, without compromising on performance**
- **Robust Construction To ensure safe operation at elevated pressures, each filter is hydrostatically tested prior to dispatch**
- **Guaranteed Performance Filtration performance is third-party validated to ISO 12500 standards**
- **Quality Control All products are UKCA and CE marked and include a serial number for complete traceability**





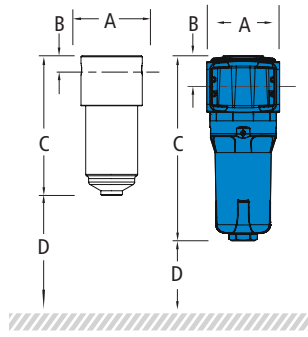
Manual Drain Valve suitable up to 350 barg (5000 psig)



Coalescing filter element
X25 (25 micron)
X5 (5 micron)
X1 (1 micron)
XA (0.01 micron)
AC (0.01 micron)



Dust filter element
RX25 (25 micron)
RX5 (5 micron)
RX1 (1 micron)
RXA (0.01 micron)
RAC (0.01 micron)



50HP25 to 50HP37 | A50HP50 to A50HP201

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Replacements and Spare Parts (refer to page 143)

50 barg Alloy High Pressure Filters

Filter model	Pipe size inches	Inlet flow rate Nm³/h	Inlet flow rate SCFM	Dimensions mm A	Dimensions mm B	Dimensions mm C	Dimensions mm D	Weight Kg	Complete price (£)	Element model	Element price (£)
50HP25 (grade)	¼	160	94	63	15	150	50	0.6		**HP1535 (grade)**	
50HP37 (grade)	⅜	250	147	63	15	190	50	0.6		**HP1550 (grade)**	
A50HP50 (grade)	½	450	265	110	47	280	80	3.4		**HP2040 (grade)**	
A50HP75 (grade)	¾	550	324	110	47	280	80	3.4		**HP2540 (grade)**	
A50HP101 (grade)	1	835	492	110	47	365	80	4.1		**HP2080 (grade)**	
A50HP150 (grade)	1½	1250	736	146	59	498	100	8.9		**HP2580 (grade)**	
A50HP151 (grade)	1½	1725	1015	146	59	498	100	9.1		**HP2512 (grade)**	
A50HP200 (grade)	2	1925	1132	146	59	498	100	9.1		**HP2512 (grade)**	
A50HP201 (grade)	2	3200	1882	146	59	700	100	11.4		**HP2520 (grade)**	

Grade (Coalescing filter element)	X25		X5		X1		XA		AC	
Particle removal	25 micron		5 micron		1 micron		0.01 micron		0.01 micron	
Maximum oil carryover at 20°C (68°F)	10 mg/m³	8.2 ppm	5 mg/m³	5 ppm	0.1 mg/m³	0.1 ppm	0.01 mg/m³	0.01 ppm	0.003 mg/m³	0.003 ppm
Maximum temperature	120°C	248°F	120°C	248°F	120°C	248°F	120°C	248°F	50°C*	122°F*
Maximum working pressure	20 barg (300 psig) / 50 barg (725 psig)									
Element end cap colour	**Black**									

Grade (Dust filter element)	RX25		RX5		RX1		RXA		RAC	
Particle removal	25 micron		5 micron		1 micron		0.01 micron		0.01 micron	
Maximum oil carryover at 20°C (68°F)	-	-	-	-	-	-	-	-	0.003 mg/m³	0.003 ppm
Maximum temperature	120°C	248°F	120°C	248°F	120°C	248°F	120°C	248°F	50°C*	122°F*
Maximum working pressure	20 barg (300 psig) / 50 barg (725 psig)									
Element end cap colour	**Black**									

* Recommended operating temperature 25°C (77°F)

Pressure correction factor	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure								
Operating pressure 50 barg (725psig)	4 (58)	6 (87)	8 (116)	10 (145)	15 (220)	20 (290)	30 (435)	40 (580)	50 (725)
50 barg - correction factor	0.14	0.22	0.28	0.34	0.47	0.56	0.7	0.85	1.00

Technical Notes

1. The direction of air flow is inside to out through the filter element for coalescing grades and outside to in through the filter element for dust grades.
2. All 50 barg Alloy High Pressure Filters are supplied with a drain plug. High pressure drains are available.
3. Activated Carbon Filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO_2).
4. Alloy High Pressure Filters and filter elements are suitable for use with mineral and synthetic oils, plus oil-free compressed air applications.
5. Threaded filters are manufactured from cast aluminium alloy and are PED 2014/68/EU compliant for group 2 gases.
6. Threaded connections are Rp (BSP parallel) to ISO 7/1 or NPT to ANSI B2.1 if supplied within North America, with the following exceptions: 50HP25 and 50HP37 are Rc (BSP Taper).
7. For NPT connections, add the suffix N e.g. 50HP25NX5.
8. Filter elements should be changed every 12 months / 8000 hours (whichever comes first). Activated carbon filter elements should be changed every 6 months.
9. Water Separators available on request.

50 barg Alloy High Pressure Oxygen Filters

Models | OA50HP50 to OA50HP201

Flow Rates:	265 SCFM (450 Nm³/hr) to 1882 SCFM (3200 Nm³/hr)
Working pressure:	50 barg (725 psig)
Operating Temperature:	50ºC to 120ºC
Connections:	½ to 2 inches

Available in five filtration grades ranging from 25 to 0.01 micron and activated carbon, our high-pressure elements are custom engineered to eliminate contaminants from your oxygen stream, ensuring a clean, reliable supply. Due to the wide range of specifications of high-pressure systems, the series accommodates a variety of flow rates.

- **Corrosion Resistant Aluminium housings provide a significant cost reduction in comparison to stainless steel housings, without compromising on performance**
- **Robust Construction To ensure safe operation at elevated pressures, each filter is hydrostatically tested prior to dispatch**
- **Guaranteed Performance Filtration performance is third-party validated to ISO 12500 standards**
- **Quality Control All products are UKCA and CE marked and include a serial number for complete traceability**
- **Suitable for Oxygen Service Oxygen Filters are specially designed, cleaned, and packaged, to ensure all combustible components are removed from the filter to prevent risk of ignition**





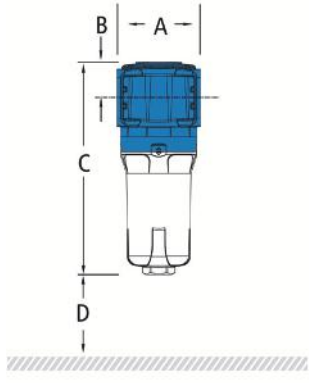
Coalescing filter element
X25 (25 micron)
X5 (5 micron)
X1 (1 micron)
XA (0.01 micron)
AC (0.01 micron)

Manual Drain Valve suitable up to 350 barg (5000 psig)





Dust filter element
RX25 (25 micron)
RX5 (5 micron)
RX1 (1 micron)
RXA (0.01 micron)
RAC (0.01 micron)



OA50HP50 to OA50HP201

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Replacements and Spare Parts (refer to page 143)

50 bar Alloy High Pressure Oxygen Filters

Filter model	Pipe size inches	Inlet flow rate		Dimensions mm				Weight Kg	Complete price (£)	Element model	Element price (£)
		Nm^3/h	SCFM	A	B	C	D				
OA50HP50 (grade)	½	450	265	110	47	280	80	3.4		**OHP2040 (grade)**	
OA50HP75 (grade)	¾	550	324	110	47	280	80	3.4		**OHP2540 (grade)**	
OA50HP101 (grade)	1	835	492	110	47	365	80	4.1		**OHP2080 (grade)**	
OA50HP150 (grade)	1½	1250	736	146	59	498	100	8.9		**OHP2580 (grade)**	
OA50HP151 (grade)	1½	1725	1015	146	59	498	100	9.1		**OHP2512 (grade)**	
OA50HP200 (grade)	2	1925	1132	146	59	498	100	9.1		**OHP2512 (grade)**	
OA50HP201 (grade)	2	3200	1882	146	59	700	100	11.4		**OHP2520 (grade)**	

Grade (Coalescing filter element)	X25		X5		X1		XA		AC	
Particle removal	25 micron		5 micron		1 micron		0.01 micron		0.01 micron	
Maximum oil carryover at 20°C (68°F)	10 mg/m³	8.2 ppm	5 mg/m³	5 ppm	0.1 mg/m³	0.1 ppm	0.01 mg/m³	0.01 ppm	0.003 mg/m³	0.003 ppm
Maximum temperature	120°C	248°F	120°C	248°F	120°C	248°F	120°C	248°F	50°C*	122°F*
Maximum working pressure	20 barg (300 psig) / 50 barg (725 psig)									
Element end cap colour	**Black**									

Grade (Dust filter element)	RX25		RX5		RX1		RXA		RAC	
Particle removal	25 micron		5 micron		1 micron		0.01 micron		0.01 micron	
Maximum oil carryover at 20°C (68°F)	-	-	-	-	-	-	-	-	0.003 mg/m³	0.003 ppm
Maximum temperature	120°C	248°F	120°C	248°F	120°C	248°F	120°C	248°F	50°C*	122°F*
Maximum working pressure	20 barg (300 psig) / 50 barg (725 psig)									
Element end cap colour	**Black**									

* Recommended operating temperature 25°C (77°F)

Pressure correction factor	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure									
Operating pressure 50 barg (725psig)	7 (101)	10 (147)	15 (221)	20 (294)	25 (368)	30 (435)	35 (507)	40 (580)	45 (652)	50 (725)
50 barg - correction factor	0.16	0.22	0.31	0.41	0.51	0.61	0.71	0.80	0.90	1.0

Technical Notes

1. Direction of air flow through the coalescing filter element is in to out and direction of air is reversed for flow through the particulate filter elements.
2. Threaded connections are Rp (BSPP) as standard. Rc (BSPT) to ISO 7-1 and NPT to ANSI/ASME B1.20.1 are also available.
3. Filters are supplied with a ¼" drain plug.
4. Mounting brackets are available.
5. Activated carbon filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO_2).
6. Alloy high pressure filters and filter elements are suitable for use with mineral and synthetic oils, plus oil-free compressed air applications.
7. Walker Filtration genuine spare and aftermarket parts must be used, failure to do so will void product warranty. Walker Filtration shall not be held liable for damages suffered by the customer if Walker Filtration genuine oxygen rated spare and aftermarket parts are not used.
8. All Walker Filtration Oxygen Filters are produced from high quality, non-toxic, naturally inert raw materials and constituents, in accordance with ASTM G93/93M and FDA requirements for food contact as per Code of Federal Regulation (CFR), Title 21.

Stainless Steel High Pressure Filters

Models | C025 to 350HP101	
Flow Rates:	60 SCFM (100 Nm³/hr) to 2000 SCFM (34000 Nm³/hr)
Working pressure:	50, 100 & 350 barg
Operating Temperature:	50ºC to 120ºC
Connections:	¼ to 2 inches

Manufactured from high grade stainless steel, these filters operate at pressures up to 350 barg (5000 psig). Ideally suited to industries such as PET bottle blowing, offshore instrumentation, medical, as well as heavy industrial environments.

- **Advanced Filtration Technology Optimum design and high efficiency filtration media provides low pressure losses and increased energy savings**
- **O-ring Sealing Push fit element design eliminates risk of contaminant bypass**
- **Colour Coded Element End Caps For easy grade identification on 50 barg (725 psig) models**
- **Stainless Steel Element End Caps On 100 and 350 barg (1450 and 5000 psig) models**
- **Performance Guaranteed Each filter is hydrostatic tested prior to despatch to guarantee quality and performance**



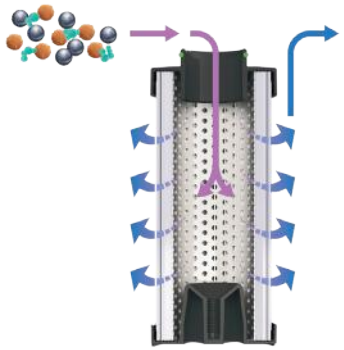




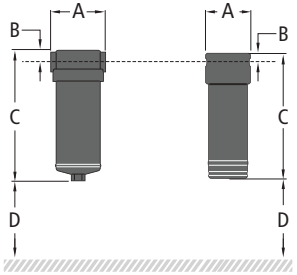
Manual Drain Valve
MDV25

Coalescing filter element - 50 barg
X25 (25 micron)
X5 (5 micron)
X1 (1 micron)
XA (0.01 micron)
AC (0.01 micron)

Coalescing filter element 100 & 350 barg
X25 (25 micron)
X5 (5 micron)
X1 (1 micron)
XA (0.01 micron)
AC (0.01 micron)



Coalescing;
Flows inside to out



C025 (grade) to C201 (grade)

100HP24 (grade) to 350HP101 (grade)

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Replacements and Spare Parts (refer to page 143)

Coalescing Stainless Steel High Pressure Filters

Filter model	Pipe size inches	Inlet flow rate		Dimensions mm				Weight Kg	Complete price (£)	Element model	Element price (£)
		Nm^3/h	SCFM	A	B	C	D				
50 barg (725 psig) maximum working pressure											
C025 (grade)	¼	100	60	85	18	170	75	1.7		**E050 (grade)**	
C037 (grade)	⅜	200	120	85	18	205	100	2.0		**E051 (grade)**	
C050 (grade)	½	340	200	85	18	255	100	2.2		**E052 (grade)**	
C75 (grade)	¾	500	300	110	27	270	150	4.0		**E715 (grade)**	
C101 (grade)	1	1000	600	110	27	420	300	5.0		**E730 (grade)**	
C150 (grade)	1½	1700	1000	150	45	525	300	15.0		**E830 (grade)**	
C200 (grade)	2	2040	1200	150	45	525	300	15.0		**E830 (grade)**	
C201 (grade) *	2	3400	2000	150	45	825	500	21.0		**E86 (grade)**	
100 barg (1450 psig) maximum working pressure											
100HP24 (grade)	¼	100	60	65	20	135	70	3.2		**HP371 (grade)**	
100HP49 (grade)	½	315	185	65	20	250	180	5.6		**HP381 (grade)**	
100HP75 (grade)	¾	460	270	88	20	275	250	6.1		**HP420 (grade)**	
100HP100 (grade)	1	680	400	132	26	265	150	10.5		**HP710 (grade)**	
100HP101 (grade)	1	1200	700	132	26	418	300	14.7		**HP730 (grade)**	
100HP150 (grade)	1½	1700	1000	150	45	525	300	22.0		**HP830 (grade)**	
100HP200 (grade)	2	3400	2000	150	45	825	500	28.0		**HP860 (grade)**	
350 barg (5000 psig) maximum working pressure											
350HP24 (grade)	¼	48	28	41	10	103	60	1.6		**HP261 (grade)**	
350HP26 (grade)	¼	111	67	65	20	135	70	3.2		**HP371 (grade)**	
350HP50 (grade)	½	255	150	88	20	210	150	5.6		**HP410 (grade)**	
350HP75 (grade)	¾	510	300	88	25	280	250	6.1		**HP420 (grade)**	
350HP100 (grade)	1	750	445	150	35	330	200	14.5		**HP710 (grade)**	
350HP101 (grade)	1	1330	775	150	35	480	300	17.4		**HP730 (grade)**	

Grade (Coalescing filter element)	WS**		X25		X5		X1		XA		AC	
Particle removal	-		25 micron		5 micron		1 micron		0.01 micron		0.01 micron	
Maximum oil carryover at 20°C (68°F)	-		10 mg/m^3	8.2 ppm	5 mg/m^3	5 ppm	0.1 mg/m^3	0.1 ppm	0.01 mg/m^3	0.01 ppm	0.003 mg/m^3	0.003 ppm
Maximum temperature	120°C	248°F	120°C	248°F	120°C	248°F	120°C	248°F	120°C	248°F	50°C***	122°F***
Element end cap colour 50 barg	-		Black		Green		Red		Blue		Black	
Element end cap colour 100 & 350 barg			Stainless Steel									

Pressure correction factor	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure								
Operating pressure barg (psig)	4 (58)	6 (87)	8 (116)	10 (145)	15 (220)	20 (290)	30 (435)	40 (580)	50 (725)
50 barg - correction factor	0.14	0.22	0.28	0.34	0.47	0.56	0.7	0.85	1.00
Operating pressure barg (psig)	20 (290)	30 (435)	40 (580)	50 (725)	60 (870)	70 (1015)	80 (1160)	90 (1300)	100 (1450)
100 barg - correction factor	0.45	0.57	0.68	0.8	0.84	0.88	0.92	0.96	1.00
Operating pressure barg (psig)	50 (725)	100 (1450)	150 (2175)	200 (2900)	250 (3625)	300 (4350)	350 (5000)		
350 barg - correction factor	0.73	0.78	0.82	0.87	0.91	0.96	1.00		

Technical Notes

1. Direction of air flow is inside to out through filter elements for coalescing grades and outside to in for dust grades.
2. All High Pressure Filters are supplied with a drain plug. High pressure drains are available.
3. Activated Carbon Filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO_2).
4. Threaded filters are PED 2014/68/EU compliant for group 2 gases.
5. Threaded connections are Rp (BSP parallel) to ISO 7/1 or NPT to ANSI B2.1 if supplied within North America, with the following exceptions: 100HP24, 100HP49, 350HP24 and 350HP26 are NPT.
6. For NPT connections, add the suffix N e.g. C75SSNXA.
7. Filter elements should be changed every 12 months / 8000 hours (whichever comes first). Activated carbon filter elements should be changed every 6 months.
8. * Cannot be used for Water Separators.
9. ** Please note for WS grade (Water Separators) price and delivery will only be provided on application.

Stainless Steel High Pressure Filters

Models | C025 to 350HP101	
Flow Rates:	60 SCFM (100 Nm³/hr) to 2000 SCFM (34000 Nm³/hr)
Working pressure:	50, 100 & 350 barg
Operating Temperature:	50ºC to 120ºC
Connections:	¼ to 2 inches

Manufactured from high grade stainless steel, these filters operate at pressures up to 350 barg (5000 psig). Ideally suited to industries such as PET bottle blowing, offshore instrumentation, medical, as well as heavy industrial environments.

- **Advanced Filtration Technology Optimum design and high efficiency filtration media provides low pressure losses and increased energy savings**
- **O-ring Sealing Push fit element design eliminates risk of contaminant bypass**
- **Colour Coded Element End Caps For easy grade identification on 50 barg (725 psig) models**
- **Stainless Steel Element End Caps On 100 and 350 barg (1450 and 5000 psig) models**
- **Performance Guaranteed Each filter is hydrostatic tested prior to despatch to guarantee quality and performance**



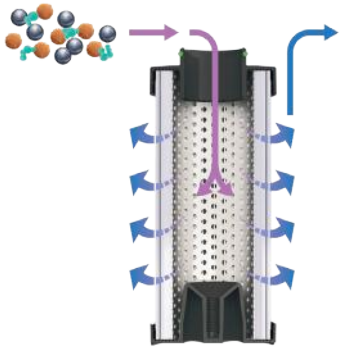


Particulate filter element - 50 barg
RX25 (25 micron)
RX5 (5 micron)
RX1 (1 micron)
RXA (0.01 micron)
RAC (0.01 micron)

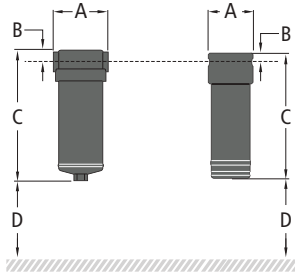
Particulate filter element 100 & 350 barg
RX25 (25 micron)
RX5 (5 micron)
RX1 (1 micron)
RXA (0.01 micron)
RAC (0.01 micron)



Manual Drain Valve
MDV25



Coalescing; Flows inside to out



C025 (grade) to C201 (grade)

100HP24 (grade) to 350HP101 (grade)

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Replacements and Spare Parts (refer to page 143)

Particulate Stainless Steel High Pressure Filters

Filter model	Pipe size inches	Inlet flow rate		Dimensions mm				Weight Kg	Complete price (£)	Element model	Element price (£)
		Nm^3/h	SCFM	A	B	C	D				
50 barg (725 psig) maximum working pressure											
C025 (grade)	¼	100	60	85	18	170	75	1.7		**E050 (grade)**	
C037 (grade)	⅜	200	120	85	18	205	100	2.0		**E051 (grade)**	
C050 (grade)	½	340	200	85	18	255	100	2.2		**E052 (grade)**	
C75 (grade)	¾	500	300	110	27	270	150	4.0		**E715 (grade)**	
C101 (grade)	1	1000	600	110	27	420	300	5.0		**E730 (grade)**	
C150 (grade)	1½	1700	1000	150	45	525	300	15.0		**E830 (grade)**	
C200 (grade)	2	2040	1200	150	45	525	300	15.0		**E830 (grade)**	
C201 (grade) *	2	3400	2000	150	45	825	500	21.0		**E86 (grade)**	
100 barg (1450 psig) maximum working pressure											
100HP24 (grade)	¼	100	60	65	20	135	70	3.2		**HP371 (grade)**	
100HP49 (grade)	½	315	185	65	20	250	180	5.6		**HP381 (grade)**	
100HP75 (grade)	¾	460	270	88	20	275	250	6.1		**HP420 (grade)**	
100HP100 (grade)	1	680	400	132	26	265	150	10.5		**HP710 (grade)**	
100HP101 (grade)	1	1200	700	132	26	418	300	14.7		**HP730 (grade)**	
100HP150 (grade)	1½	1700	1000	150	45	525	300	22.0		**HP830 (grade)**	
100HP200 (grade)	2	3400	2000	150	45	825	500	28.0		**HP860 (grade)**	
350 barg (5000 psig) maximum working pressure											
350HP24 (grade)	¼	48	28	41	10	103	60	1.6		**HP261 (grade)**	
350HP26 (grade)	¼	111	67	65	20	135	70	3.2		**HP371 (grade)**	
350HP50 (grade)	½	255	150	88	20	210	150	5.6		**HP410 (grade)**	
350HP75 (grade)	¾	510	300	88	25	280	250	6.1		**HP420 (grade)**	
350HP100 (grade)	1	750	445	150	35	330	200	14.5		**HP710 (grade)**	
350HP101 (grade)	1	1330	775	150	35	480	300	17.4		**HP730 (grade)**	

Grade (Dust filter element)	RX25		RX5		RX1		RXA		RAC	
Particle removal	25 micron		5 micron		1 micron		0.01 micron		0.01 micron	
Maximum oil carryover at 20°C (68°F)	-	-	-	-	-	-	-	-	0.003 mg/m³	0.003 ppm
Maximum temperature	120°C	248°F	120°C	248°F	120°C	248°F	120°C	248°F	50°C***	122°F***
Element end cap colour 50 barg	Black		Green		Red		Blue		Black	
Element end cap colour 100 & 350 barg	Stainless Steel									

*** Recommended operating temperature 25°C (77°F)

Pressure correction factor	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure								
Operating pressure barg (psig)	4 (58)	6 (87)	8 (116)	10 (145)	15 (220)	20 (290)	30 (435)	40 (580)	50 (725)
50 barg - correction factor	0.14	0.22	0.28	0.34	0.47	0.56	0.7	0.85	1.00
Operating pressure barg (psig)	20 (290)	30 (435)	40 (580)	50 (725)	60 (870)	70 (1015)	80 (1160)	90 (1300)	100 (1450)
100 barg - correction factor	0.45	0.57	0.68	0.8	0.84	0.88	0.92	0.96	1.00
Operating pressure barg (psig)	50 (725)	100 (1450)	150 (2175)	200 (2900)	250 (3625)	300 (4350)	350 (5000)		
350 barg - correction factor	0.73	0.78	0.82	0.87	0.91	0.96	1.00		

Technical Notes

1. Direction of air flow is inside to out through filter elements for coalescing grades and outside to in for dust grades.
2. All High Pressure Filters are supplied with a drain plug. High pressure drains are available.
3. Activated Carbon Filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO_2).
4. Threaded filters are PED 2014/68/EU compliant for group 2 gases.
5. Threaded connections are Rp (BSP parallel) to ISO 7/1 or NPT to ANSI B2.1 if supplied within North America, with the following exceptions: 100HP24, 100HP49, 350HP24 and 350HP26 are NPT.
6. For NPT connections, add the suffix N e.g. C75SSNXA.
7. Filter elements should be changed every 12 months / 8000 hours (whichever comes first). Activated carbon filter elements should be changed every 6 months.
8. * Cannot be used for Water Separators.
9. ** Please note for WS grade (Water Separators) price and delivery will only be provided on application.

Autoclave Filter Elements

Models | AF1 to AF2

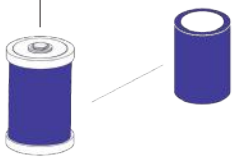
Flow Rates:	12 SCFM (20 Nm³/hr) to 24 SCFM (40 Nm³/hr)
Operating Temperature:	134ºC
Connections:	½ inche

Autoclave Filters are recommended for use in sterilising atmospheric air entering hospital and laboratory sterilisers during the vacuum break cycle.

- **High Efficiency Filtration 100% sterilising efficiency and particle removal down to 0.01 micron, exceeding efficiencies of conventional HEPA filters.**
- **Corrosion Resistant Manufactured from corrosion resistant materials and designed to operate in demanding environments**
- **High Dirt Holding Capacity High efficiency borosilicate glass microfiber filter media offers over 95% voids volume providing exceptionally high dirt holding capacity**
- **Product Safety in Mind Quality design in line with requirements of BS EN 285**
- **Detachable Pre-filtration Layer Each filter has a replaceable outer foam pre-filtration sock**



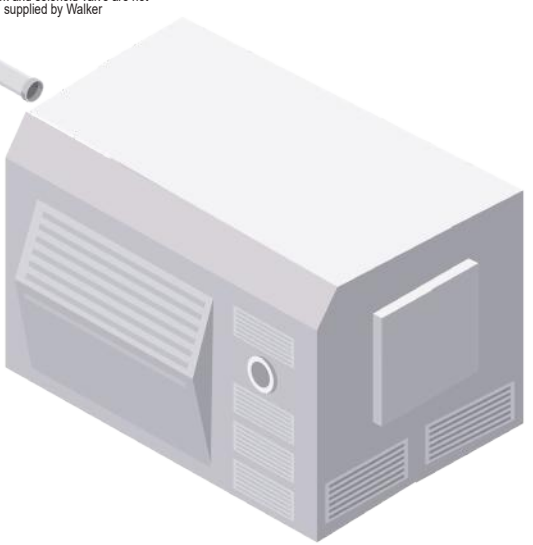
AF1 and AF2 autoclave filter elements



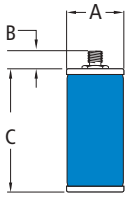
AF1 / AF2 outer sock, pack of 10



Pipe work and solenoid valve are not supplied by Walker



Autoclave Model ABCD



AF1 & AF2

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Replacements and Spare Parts (refer to page 143)

Autoclave Filter Elements

Filter model	Connection size	Flow rate		Dimensions mm			Weight Kg	Complete price (£)
		Nm^3/h	SCFM	A	B	C		
AF1	Rp ½	20	12	83	23	103	0.29	
AF2	Rp ½	40	24	83	23	183	0.35	
AF1 socks	foam prefilter socks to fit AF1 (pack of ten)							

Grade	AF	
Particle removal	0.01 micron	
Penetration at 0.3 micron	<0.005%	
Maximum operating temperature (recommended)	134°C	273°F
Element end cap material	Acetal	

Technical Notes

1. Autoclave Filter Elements are manufactured from corrosion resistant materials and are designed specifically to operate in arduous environments.
2. The elements can be steam sterilised at 134°C (273°F) and are guaranteed for up to 50 sterilisation cycles.
3. High efficiency borosilicate glass microfibre filter media offers over 95% voids volume providing exceptionally high dirtholding capacity for long service life.
4. Each Autoclave Filter is supplied with a replaceable outer foam pre-filtration sock. This provides protection to the high efficiency microfibre media against large atmospheric dirt particles.
5. Designed to meet the requirements of BS EN 285.
6. Remove and replace sock when steam sterilising.

Breathable Air Systems

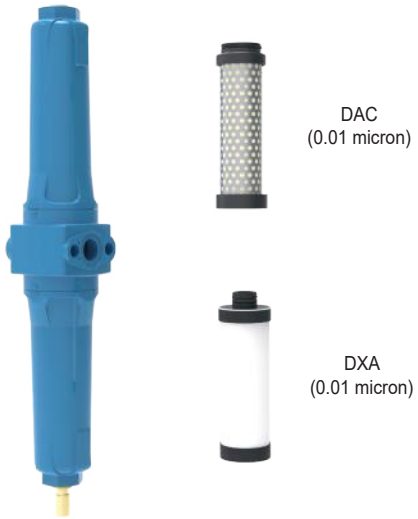
Models | BA3022W to BA3031FH	
Flow Rates:	15 scfm (25Nm³/h) to 30 scfm (50Nm³/h)
Working pressure:	4 barg to 16 barg
Operating Temperature:	25ºC - 50ºC
Connections:	¼ to ⅜ inches

Due to the increasing demand for improved environmental and safety control, Walker Filtration have compiled a comprehensive range of wall mounted and portable breathable air systems.

- **Designed to suit 2 and 4 port breathable air installations**
- **Offer exceptional dirt holding capacity and can be installed where safe, breathable compressed air is required.**
- **Offer filtration and oil removal efficiencies down to 0.01 micron particulate size and maximum oil carryover efficiencies to 0.003 mg/m³ (0.003 ppm)**
- **Clean, particulate and liquid oil free air with the added benefit of taste and odour removal for improved user comfort and performance.**



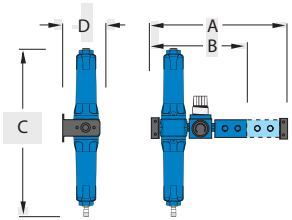


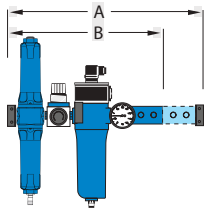


DAC
(0.01 micron)

DXA
(0.01 micron)

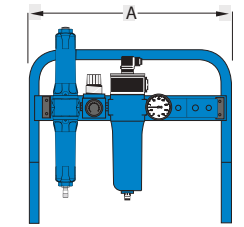
A39BH to A55FTH

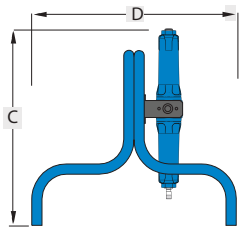




Wall mountable option

BA3022W / BA3022WH (2 ports)
BA3031W / BA3031WH (4 ports)





Floor standing option

BA3022F / BA3022FH (2 ports)
BA3031F / BA3031FH (4 ports)

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Replacements and Spare Parts (refer to page 143)

Breathable Air Systems

Model	Pipe size inches	Inet flow rate		Dimensions mm				Weight Kg	No. of outlets	Complete price (£)	Element model	Element DXA	Element DXC
		Nm^3/h	SCFM	A	B	C	D						
BA3022W	¼	25	15	253	236	428	75	4.6	2 at ⅜"		**E30408XA/E30408DAC**		
BA3022WH	¼	25	15	394	377	428	99	4.6	2 at ⅜"		**E30408XA/E30408DAC**		
BA3022F	¼	25	15	495	N/A	507	516	4.6	2 at ⅜"		**E30408XA/E30408DAC**		
BA3022FH	¼	25	15	495	N/A	507	516	4.6	2 at ⅜"		**E30408XA/E30408DAC**		
BA3031W	⅜	50	30	333	316	428	75	6.6	4 at ⅜"		**E30408XA/E30408DAC**		
BA3031WH	⅜	50	30	474	457	428	99	6.6	4 at ⅜"		**E30408XA/E30408DAC**		
BA3031F	⅜	50	30	495	N/A	507	516	6.6	4 at ⅜"		**E30408XA/E30408DAC**		
BA3031FH	⅜	50	30	495	N/A	507	516	6.6	4 at ⅜"		**E30408XA/E30408DAC**		

Model	Accessory description
BAF1	Stand alone frame assembly suitable for Rp ¼ to Rp ⅜ filter assemblies
WKN40178	Air pressure regulator and pressure gauge
LPA1	Audible alarm for low inlet air pressure condition
WKN40180	Manifold two port version
WKN40179	Manifold four port version

Specification		
Particle removal	0.01 micron	
Maximum oil carryover at 20°C (68°F)	0.003 mg/m³	0.003 ppm
Maximum temperature	50°C *	122°F *
Maximum working pressure	10 barg	145 psig

* Recommended operating temperature 25°C (77°F)

Ordering Information

1. BA3022W or BA3031W: wall mounting option with Duplex Filter.
2. BA3022WH or BA3031WH: wall mounting option with Duplex Filter and Compressed Air Heater.
3. BA3022F or BA3031F: Duplex Filter mounted onto a portable frame.
4. BA3022FH or BA3031FH: Duplex Filter and Compressed Air Heater mounted onto a portable frame.

Technical Notes

1 Additional filtration including a Water Separator is required.
2. Duplex filters offer 2 stage filtration within one filter unit. Each filtration package provides an XA (0.01 micron) grade element in the lower section for oil removal, while the AC grade element in the upper section is for odour removal.
3. Direction of air flow is inside to out through XA (0.01 micron) grade filter element and outside to in through Activated Carbon AC grade filter element.
4. Breathable air filters include float operated drains as standard. ADVS16 on Duplex Filters and SDV25 on heaters.
5. Self relieving air pressure regulators are used with 0 to 16 barg (0 to 232 psig) Pressure Gauges and can control the outlet air pressure between 2 and 10 barg (29 and 145 psig)..

MICRAFILTER

Micrafilter manufactures and supplies a wide of range of alternative filter cartridges that are designed to fit competitor housings performing equal to or better than the original. Use of natural materials ensures large void spaces between fibres, meaning lower pressure drops, which results in less energy consumed and reduced running costs.

We have the expertise to blend various grades of glass microfibre, resulting in particulate holding capacities down to 0.01 micron. A single moulded construction with no joins eliminates the need for several wrapped layers and seam welds which have been known to split under high pressure applications. We take pride that our alternative filter cartridges offer certified performance levels to meet stringent and specialist specifications.



MICRAFILTER from WALKER FILTRATION

Micrafilter specialises in the design, manufacture and supply of high quality products for the filtration of air, gases and liquids to meet the specialist requirements of industrial and scientific applications around the world.

Our core expertise lies in our moulded microfibre tube technology. This offers many advantages over traditional filtration methods including the use of fluoropolymer binder, which can be used in high temperature and chemically aggressive environments as well as for general purpose filtration.



High Temperature Applications

Unlike traditional filter cartridges, Micrafilter tubes do not require additional support structures. The tubes self-seal against the housing, meaning no need for additional seals.

Each of our MicraTube and MicraLescer grades is produced from a unique blend of borosilicate microfibres and reinforced using a precisely controlled concentration of fl fluorocarbon binder. This results in filtration media with large void spaces between fibres, meaning lower pressure drops, which results in less energy used and reduced running costs.

Extended Energy Efficient Range

A single moulded construction with no joins eliminates the need for several wrapped layers and seam welds which have been known to split under high pressure applications.

The extended Micrafilter product range also includes aluminium and stainless steel filter housings, stainless steel filters, disposable in-line filters and absorbents, as well as a comprehensive range of compatible replacement filter elements.



Product Application Areas



Alternative fuels		
MicraGold	MicraLescer	MicraTube
MicraSteel	MicraMesh	



Gas analysis		
MicraGold	MicraTube	MicraMesh
MicraSteel	MicraLescer	MicraDif
MicraSorb		



Liquid analysis		
MicraSteel	MicraTube	MicraDif
MicraMesh	MicraLescer	MicraSorb



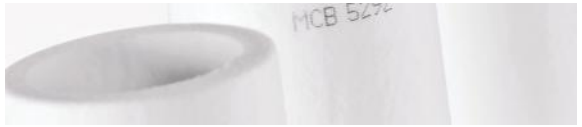
Emission monitoring and analysis (automotive)		
MicraSteel	MicraSorb	MicraLescer
MicraMesh	MicraTube	



Emissions monitoring and analysis (environmental)		
MicraSteel	MicraDif	MicraSorb



Sample analysis (gas)		
MicraSteel	MicraTube	MicraDif
MicraMesh	MicraLescer	MicraSorb



Stack gas sampling	
MicraSteel	MicraTube
MicraMesh	MicraLescer



Gas and chemical Filtration		
MicraSteel	MicraTube	MicraSorb
MicraMesh	MicraLescer	MicraDif



Breathing air		
MicraSteel	MicraTube	MicraSorb
MicraGold	MicraDif	



Vacuum pump intake and outlet filtration	
MicraTube	MicraLescer



Instrumentation filtration		
MicraGold	MicraTube	MicraSorb
MicraSteel	MicraLescer	MicraMesh
MicraDif		



Laboratory point of use protection		
MicraGold	MicraTube	MicraSorb
MicraSteel	MicraLescer	MicraMesh
MicraDif		



Critical instrumentation protection		
MicraGold	MicraTube	MicraSorb
MicraSteel	MicraLescer	MicraMesh
MicraDif		



General in-line and process protection		
MicraGold	MicraTube	MicraSorb
MicraSteel	MicraLescer	MicraMesh
MicraDif		



Sample cross-contamination prevention	
MicraDif	MicraSorb

MicraSorb



MicraSorb disposable filters are suited for the removal of trace extraneous vapours present in gas analyser samples, for the removal of vapour contamination in laboratory applications and the clean up of instrument or actuator air supplies.

Filter Model	Adsorbent	Trace Gas Removal	Price per pack of 10
MSB-AC	Activated carbon	Oil vapours, C5 and heavier hydrocarbons and organic vapours	
MSB-MB	Mixed calcium and sodium hydroxides	Acidic gases	
MSB-PP	Potassium permanganate impregnated alumina	SOX	
MSB-SG	Silica gel	Water vapour	
MSB-4A	Molecular sieve grade 4A	CO, HS, NH	
MSB-13X	Molecular sieve grade 13X	Water vapour C and lighter hydrocarbons and amines	

Ordering:
All MicraSorb disposable filter are individually heat sealed in polythene packaging and supplied in packs of 10.

Specification						
Model	MSB-AC	MSB-MB	MSB-PP	MSB-SG	MSB-4A	MSB-13X
Filter Material	Clear Nylon					
Adsorbent Material	Activated Carbon	Mixed Calcium and Sodium Hydroxides	Potassium Permanganate Impregnated Alumina	Silica Gel	Molecular Sieve grade 4A	Molecular Sieve grade 13X
Maximum Pressure	9 barg (130 psig)					
Maximum Flow Rate	4.3 N^3/hr / 70 L/min / 2.5 SCFM					
MSB-13X	140 mbar (2 psi)					
Optimal Temperature Range	4°C to 40°C (40°F to 104°F)	1.5°C to 35°C (34°F to 95°F)	1.5°C to 50°C (34°C to 122°C)	1.5°C to 50°C (34°C to 122°C)	1.5°C to 50°C (34°C to 122°C)	1.5°C to 50°C (34°C to 122°C)
Internal Volume	11cm^3					

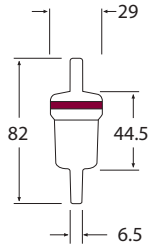
Flow Correction Chart	For maximum flow rate multiply model 'flow rate' in the table by the correction factor closest to the actual working pressure											
Operating Pressure - barg	0.2	0.5	0.75	1	2	3	4	5	6	7	8	9
Operating Pressure - psig	3	7.5	10	15	30	45	60	75	90	100	115	130
Correction Factor	0.4	0.5	0.55	0.65	1	1.2	1.5	1.8	2.1	2.4	2.5	2.8

Technical Notes

1 Flow rates are based on a 2 barg (30 psig) operating pressure. Use the flow conversion chart above to calculate flow rates at other pressures.

2 The working life of a MicraSorb is dependent on the application, therefore change as required.

3 For higher temperature use please contact Micrafilter.



Dimensions mm

MicraDif



MicraDif disposable filters are used to protect gas analysers and sensitive equipment from particulate contamination. These disposable filters can also be used in many other compressed air, vacuum and liquid applications. Each MicraDif is available in either clear nylon or polypropylene. MicraDif contains a permanently sealed MicraTube (size 1232) available in five grades of effciency depending upon the application.

Filter Model	Effciency, Air & Gas at 0.3 Micron	Flow Rate[1]			Effciency, Liquid 98% at	Water Flow Rate L/hr at 100 mbar Pressure Drop	Nylon	Polypropylene
		Nm^3/h	L/min	SCFM				
MDA-123-[ ]	99.9998%	0.9	14	0.5	0.3 micron	6		
MDB-123-[ ]	99.9998%	1.3	21	0.75	0.9 micron	14		
MDC-123-[ ]	99.99%	2.6	42	1.5	2 micron	28		
MDD-123-[ ]	99.5%	1.3	70	2.5	8 micron	55		
MDE-123-[ ]	95%	5.0	82	2.9	25 micron	65		

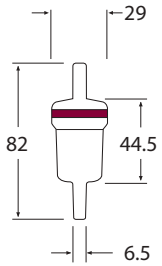
Ordering:
If Nylon filter is required include suffix [N].
If Polypropylene filter is required include suffix [P].
All MicraDif disposable filters are individually heat sealed in polythene packaging and supplied in packs of 10.

Specification		
Filter Material	Clear Nylon	Polypropylene
Maximum Pressure	9 barg (130 psig)	Atmospheric
Pressure Loss (Clean and Dry)	100 mbar (1.5 psi)	
Pressure Loss Replacement Indicator	400 mbar (6 psi)	
Temperature Range	-40°C to 60°C (-40°F to 140°F)	0°C to 65°C (32°F to 149°F)
Internal Volume	$11cm^3$	

Flow Correction Chart	For maximum flow rate multiply model 'flow rate' in the table by the correction factor closest to the actual working pressure											
Operating Pressure - barg	0.2	0.5	0.75	1	2	3	4	5	6	7	8	9
Operating Pressure - psig	3	7.5	10	15	30	45	60	75	90	100	115	130
Correction Factor	0.4	0.5	0.55	0.65	1	1.2	1.5	1.8	2.1	2.4	2.5	2.8

Technical Notes

1 Flow rates shown are at 2 barg (30 psig) operating pressure. Use the flow conversion chart above to calculate flow rates at other pressures.
2 MicraTube filter cartridges use a fluorocarbon resin binder.
3 Recommended direction of flow is from inside to out through the filter cartridge.



Dimensions mm

MicraGold 10 barg



MicraGold is a range of anodised aluminium filter housings designed to use MicraLescer or MicraTube filter cartridges for the removal of oil, water and particulate from compressed air or gas streams.

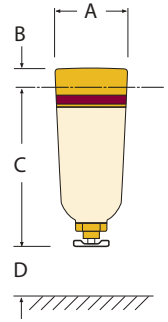
All aluminium parts are corrosion protected by anodisation, ideal for use in harsh conditions. MicraGold 10 barg filter housings are supplied with polycarbonate bowls, making them suitable for use on instrumentation panels and in vacuum applications.

Filter Model	Pipe Size (NPT)	Flow Rate[1]			Dimensions mm (“)				Cartridge Size mm (“)	Mounting Bracket	Price
		Nm^3/h	L/min	SCFM	A	B	C	D			
MG-101-1232-[ ]	1/8”	8.5	141	5	38 (1.5)	10 (0.4)	97 (3.8)	40 (1.6)	12 x 32 (0.5 x 1.2)	MBK1	
MG-102-1232-[ ]	1/4”	11	169	6	38 (1.5)	10 (0.4)	97 (3.8)	40 (1.6)	12 x 32 (0.5 x 1.2)	MBK1	
MG-102-2564-[ ]	1/4”	29	481	17	67 (2.6)	17 (0.7)	132 (5.2)	75 (3)	25 x 64 (1 x 2.5)	-	
MG-104-2564-[ ]	1/2”	60	991	35	67 (2.6)	17 (0.7)	132 (5.2)	75 (3)	25 x 64 (1 x 2.5)	-	

Ordering:
If a drain connection is required include sux [D]. Filter will be supplied with manual drain valve if this option is selected.
Filter cartridges sold separately.

Specification	
Model	MG-101, 102, 104
Filter Material	Aluminium with Polycarbonate bowl
Maximum Operating Pressure	10 barg (145 psig)
Seal Material	PTFE
Temperature Range*	-40°C to 50°C (-40°F to 120°F)
Drain Connection	Optional

* The temperature range of the cartridge intended for use must also be considered - see filter grades and specifications.



Flow Correction Chart	For maximum flow rate multiply model ‘flow rate’ in the table by the correction factor closest to the actual working pressure											
Operating Pressure - barg	0.3	0.6	1	2	3	4	5	6	7	8	9	10
Operating Pressure - psig	4	9	14.5	29	44	58	72	87	100	115	130	145
Correction Factor	0.4	0.5	0.55	0.65	1	1.2	1.5	1.8	2.1	2.4	2.5	2.8

Technical Notes

1 Flow rates are based on a 7 barg (100 psig) operating pressure. Use the flow conversion chart above to calculate flow rates at other pressures.

2 Polycarbonate bowls are not suitable for use with certain synthetic oils. Please consult specific oil technical data sheet.

3 For coalescing, recommended direction of flow is from inside to out through the filter cartridge.
For particulate removal, recommended direction of flow is from outside to in through the filter cartridge.Housing heads are marked with ‘P’ and ‘C’ to aid installation.

4 All pipe connections are NPT taper as standard, other thread forms are available upon request

MicraGold 16 barg



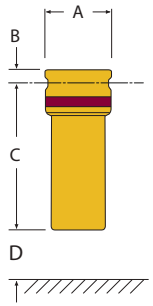
MicraGold is a range of anodised aluminium filter housings designed to use MicraLescer or MicraTube filter cartridges for the removal of oil, water and particulate from compressed air or gas streams.

All aluminium parts are corrosion protected by anodisation, making them ideal for use in harsh conditions.

Filter Model	Pipe Size (NPT)	Flow Rate[1]			Dimensions mm (“)				Cartridge Size mm (“)	Mounting Bracket	Price
		Nm³/h	L/min	SCFM	A	B	C	D			
MG-161-1232-[ ]	1/8”	8.5	141	5	38 (1.5)	10 (0.4)	97 (3.8)	40 (1.6)	12 x 32 (0.5 x 1.2)	MBK1	
MG-162-1232-[ ]	1/4”	11	169	6	38 (1.5)	10 (0.4)	97 (3.8)	40 (1.6)	12 x 32 (0.5 x 1.2)	MBK1	
MG-162-2564-[ ]	1/4”	29	481	17	67 (2.6)	17 (0.7)	132 (5.2)	75 (3)	25 x 64 (1 x 2.5)	-	
MG-164-2564-[ ]	1/2”	60	991	35	67 (2.6)	17 (0.7)	132 (5.2)	75 (3)	25 x 64 (1 x 2.5)	-	
MG-164-2178-[ ]	1/2”	90	1500	53	67 (2.6)	17 (0.7)	240 (9.5)	160 (6.3)	25 x 178 (1 x 7)	-	

Ordering:
If a drain connection is required include suffix [D]. Filter will be supplied with manual drain valve if this option is selected.
Filter cartridges sold separately

Specification	
Model	MG-161, 162, 164
Filter Material	Aluminium
Maximum Operating Pressure	16 barg (232 psig)
Seal Material	PTFE
Temperature Range*	-40°C to 120°C (-40°F to 250°F)
Drain Connection	Optional



* The temperature range of the cartridge intended for use must also be considered - see filter grades and specifications.

Flow Correction Chart	For maximum flow rate multiply model ‘flow rate’ in the table by the correction factor closest to the actual working pressure																	
Operating Pressure - barg	0.3	0.6	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Operating Pressure - psig	4	9	14.5	29	44	58	72	87	100	115	130	145	160	175	189	203	218	232
Correction Factor	0.21	0.29	0.38	0.53	0.65	0.76	0.84	0.92	1	1.07	1.13	1.19	1.25	1.31	1.36	1.41	1.46	1.51

Technical Notes

1 Flow rates are based on a 7 barg (100 psig) operating pressure. Use the flow conversion chart above to calculate flow rates at other pressures.

2 For coalescing, recommended direction of flow is from inside to out through the filter cartridge.
For particulate removal, recommended direction of flow is from outside to in through the filter cartridge.
Housing heads are marked with ‘P’ and ‘C’ to aid installation.

3 All pipe connections are NPT taper as standard, other thread forms are available upon request

MicraSteel 100 barg



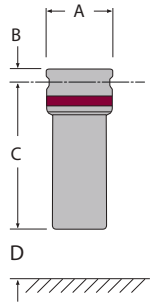
MicraSteel 100 barg filter are specically designed and manufactured for high effciency filtration of gases and liquids in critical applications. Manufactured from solid steel bar stock in accordance with the NACE MR-01-75 (ISO 15156-1)

specification, they can be used in the pressure range from full vacuum to 100 barg (1500 psig). MicraSteel filters are suitable for use with all grades of MicraMesh, MicraLescer and MicraTube. All sizes are available with or without a drain connection.

Filter Model	Pipe Size (NPT)	Flow Rate[1]			Dimensions mm (“)				Cartridge Size mm (“)	Mounting Bracket	Price
		Nm³/h	L/min	SCFM	A	B	C	D			
MST-102-2564-[ ]	1/4”	29	481	17	65 (2.6)	20 (0.8)	135 (5.3)	70 (2.8)	25 x 64 (1 x 2.5)	MBK2	
MST-104-2564-[ ]	1/2”	60	991	35	65 (2.6)	20 (0.8)	135 (5.3)	70 (2.8)	25 x 64 (1 x 2.5)	MBK2	
MST-102-2178-[ ]	1/4”	34	566	20	65 (2.6)	20 (0.8)	250 (9.8)	180 (7.1)	25 x 178 (1 x 7)	MBK2	
MST-104-2178-[ ]	1/2”	90	1500	53	65 (2.6)	20 (0.8)	250 (9.8)	180 (7.1)	25 x 178 (1 x 7)	MBK2	

Ordering:
If a PTFE seal is required include sux [F].
Filters are supplied as standard with no drain port. If a drain port is required include sux [D] - see technical note 2
If a PTFE seal and drain connection are both required include sux [FD]..
Filter cartridges sold separately

Specification		
Model	MST-102 & 104	
Filter Material	316L Stainless Steel	
Maximum Operating Pressure	100 barg (1500 psig)	
Seal Material	Viton (standard)	Viton (standard)
Temperature Range*	-40°C to 200°C (-40°F to 392°F)	-240°C to 260°C (-400°F to 500°F)
Drain Connection	Optional	



*** The temperature range of the cartridge intended for use must also be considered - see pages 12-14 for filter grades and specifications**

Flow Correction Chart	For maximum flow rate multiply model ‘flow rate’ in the table by the correction factor closest to the actual working pressure								
Operating Pressure - barg	1	2	4	7	10	15	20	50	100
Operating Pressure - psig	15	30	60	100	150	200	300	750	1500
Correction Factor	0.3	0.2	0.75	1	1.2	1.5	1.7	2.5	3.5

Technical Notes

1 Flow rates are based on a 7 barg (100 psig) operating pressure. Use the flow conversion chart above to calculate flow rates at other pressures.

2 The drain connection size is the same as the pipe size except for models MST-104 which are 1/4” NPT.

3 For coalescing, recommended direction of flow is from inside to out through the filter cartridge
For particulate removal, recommended direction of flow is from outside to in through the filter cartridge
Housing heads are marked with ‘P’ and ‘C’ to aid installation.

4 All pipe connections are NPT taper as standard, other thread forms are available upon request.

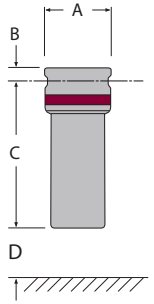
MicraSteel 350 barg



MicraSteel 350 barg filters are specically designed and manufactured for high efficiency filtration of gases and liquids in critical applications. Manufactured from solid steel bar stock in accordance with the NACE MR-01-75 (ISO 15156-1) specification, they can be used in the pressure range from full vacuum to 350 barg (5000 psig). MicraSteel filters are suitable for use with all grades of MicraMesh, MicraLescer and MicraTube. All sizes are available with or without a drain connection.

Filter Model	Pipe Size (NPT)	Flow Rate[1]			Dimensions mm (“)				Cartridge Size mm (“)	Mounting Bracket	Price
		Nm³/h	L/min	SCFM	A	B	C	D			
MST-351-1232-[ ]	1/8”	8.5	141	5	41 (1.6)	10 (0.4)fi	78 (3.1)	35 (1.4)	12 x 32 (0.5 x 1.2)	MBK1	
MST-352-1232-[ ]	1/4”	11	169	6	41 (1.6)	10 (0.4)	78 (3.1)	35 (1.4)	12 x 32 (0.5 x 1.2)	MBK1	
MST-351-1257-[ ]	1/8”	12	198	7	41 (1.6)	10 (0.4)	103 (4.1)	60 (2.4)	12 x 57 (0.5 x 2.2)	MBK1	
MST-352-1257-[ ]	1/4”	29	481	17	41 (1.6)	10 (0.4)	103 (4.1)	60 (2.4)	12 x 57 (0.5 x 2.2)	MBK1	
MST-354-2564-[ ]	1/2”	60	991	35	65 (2.6)	20 (0.8)	135 (5.3)	70 (2.8)	25 x 64 (1 x 2.5)	MBK2	
MST-354-2178-[ ]	1/2”	90	1500	53	65 (2.6)	20 (0.8)	250 (9.8)	180 (7.1)	25 x 178 (1 x 7)	MBK2	

Ordering:
If a PTFE seal is required include sux [F].
Filters are supplied as standard with no drain port. If a drain port is required include sux [D] - see technical note 2
If a PTFE seal and drain connection are both required include sux [FD].
Filter cartridges sold separately



Specification		
Model	MST-351, 352, 354	
Filter Material	316L Stainless Steel	
Maximum Operating Pressure	350 barg (5000 psig)	
Seal Material	Viton (standard)	PTFE (optional)
Temperature Range*	-40°C to 200°C (-40°F to 392°F)	-240°C to 260°C (-400°F to 500°F)
Drain Connection	Optional	

* The temperature range of the cartridge intended for use must also be considered - see pages 12-14 for filter grades and specifications.

Flow Correction Chart	For maximum flow rate multiply model ‘flow rate’ in the table by the correction factor closest to the actual working pressure											
Operating Pressure - barg	1	2	4	7	10	15	20	50	100	150	250	350
Operating Pressure - psig	15	30	60	100	150	200	300	750	1500	2000	3500	5000
Correction Factor	0.3	0.2	0.75	1	1.2	1.5	1.7	2.5	3.5	4.5	6	7

Technical Notes

1 Flow rates are based on a 7 barg (100 psig), operating pressure. Use the ow conversion chart above to calculate ow rates at other pressures.
2 The drain connection size is the same as the pipe size except for models MST-354 which are 1/4” NPT.
3 For coalescing, recommended direction of ow is from inside to out through the filter cartridge
For particulate removal, recommended direction of ow is from outside to in through the filter cartridge
Housing heads are marked with ‘P’ and ‘C’ to aid installation.
4 All pipe connections are NPT taper as standard, other thread forms are available upon request.

MicraMesh



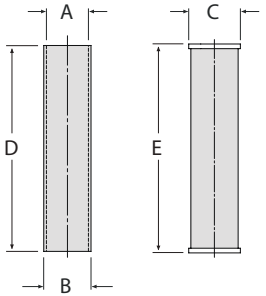
MicraMesh Stainless Steel filter cartridges are manufactured from five layers of mesh sintered together to form an integrated porous filter cartridge. This type of cartridge retains solid and liquid contaminants from gas samples and solid contaminants from liquid samples. These filter cartridges also offer excellent corrosion and pressure dierential resistance and are supplied complete with a fitted PTFE gasket. MicraMesh filter cartridges are suitable for use with MicraSteel filters.

Filter Cartridge Model	Dimensions mm (“)					Grade / Price per unit				
	A	B	C	D	D	5 micron	10 micron	25 micron	75 micron	100 micron
MMT-1232-[Grade]	12.8 (0.5)	16.2 (0.63)	18.1 (0.71)	29.2 (1.15)	31.1 (1.22)					
MMT-1257-[Grade]	12.8 (0.5)	16.2 (0.63)	18.1 (0.71)	54.6 (2.15)	56.7 (2.23)					
MMT-2564-[Grade]	26.7 (1.05)	30 (1.18)	32.7 (1.29)	61 (2.4)	63 (2.48)					
MMT-2178-[Grade]	26.7 (1.05)	30 (1.18)	32.7 (1.29)	175 (6.89)	177 (6.96)					

Ordering:
Grades available: 5 micron, 10 micron, 25 micron, 75 micron, 100 micron.

Specification					
Grade	5 micron	10 micron	25 micron	75 micron	100 micron
Cartridge Material	316L Stainless Steel				
Gasket Material	PTFE				
Pressure Loss Replacement Indicator	1 bar (15 psi)				
Temperature Range*	-240°C to 260°C (-400°F to 500°F)				

* The temperature range of the cartridge intended for use must also be considered



Technical Notes

1 For easy identication all MicraMesh filter cartridges have the grade printed on the outside.

MicraLescer



MicraLescer are high effciency, self-supporting, fluorocarbon resin bonded, borosilicate glass microbre filter cartridges. Suitable for use in gas and liquid applications, the MicraLescer cartridges are designed to coalesce liquid particles through a two layer construction. The inner layer forms the main filtration and the coarser outer layer provides drainage. Typical applications include two phase separation i.e. oil aerosol from air (or gas), oil from water and water from oil.

Filter Cartridge Model	Dimensions mm (“)		Grade / Price per pack of 10			
	Inside Diameter mm (“)	Overall Length mm (“)	MCB	MCC	MCD	MCE
[Grade]-1232	12 (0.5)	32 (1.3)				
[Grade]-1257	12 (0.5)	57 (2.2)				
[Grade]-2564	25 (1)	64 (2.5)				
[Grade]-2127	25 (1)	127 (5)				
[Grade]-2178	25 (1)	178 (7)				
[Grade]-3858	38 (1.5)	58 (2.3)				
[Grade]-3152	38 (1.5)	152 (6)				
[Grade]-4127	45 (1.8)	127 (5)				
[Grade]-5189	51 (2)	89 (3.5)				
[Grade]-5230	51 (2)	230 (9)				
[Grade]-5476	51 (2)	476 (18.7)				

Ordering:
Grades available: MCB, MCC, MCD, MCE.
All MicraLescer filter cartridges are supplied in sealed packs of 10.

In addition to our standard MicraLescer sizes listed, we are also able to manufacture bespoke tube sizes within the following parameters:

- Internal diameter: 12mm/25mm/38mm/51mm/45mm/63mm
- Length: 10mm - 475mm

Should you have a specific requirement, please contact Micrafilter for prices and ordering

Specification				
Grade	MCB	MCC	MCD	MCE
Effciency, Air & Gas at 0.3 Micron	99.9998%	99.99%	99.50%	95%
Effciency, Liquid 98% at	0.9 micron	2 micron	8 micron	25 micron
Cartridge Material	Borosilicate Glass Microbre			
Pressure Loss Replacement Indicator	400 mbar (6psi)			
Temperature Range*	-40°C to 150°C (-40°F to 302°F)			

* The temperature range of the cartridge intended for use must also be considered

Technical Notes

1 MicraLescer filter cartridges use a fluorocarbon resin binder.
2 The direction of flow for coalescing applications is from inside to out.
3 For easy identication all MicraLescer filter cartridges have the model number printed on the outside

MicraTube



MicraTubes are high effciency, self-supporting, self-gasketing, fluorocarbon resin bonded, borosilicate glass microbre filter cartridges. Suitable for use in industrial, medical and instrumentation applications using air, gas or liquid, MicraTube filter cartridges can be used at high pressure, low pressure and under vacuum, at temperatures up to 150°C (302°F).

Filter Cartridge Model	Dimensions mm (“)		Grade / Price per pack of 10				
	Inside Diameter mm (“)	Overall Length mm (“)	MTA	MTB	MTC	MTD	MTE
[Grade]-1232	12 (0.5)	32 (1.3)					
[Grade]-1257	12 (0.5)	57 (2.2)					
[Grade]-2564	25 (1)	64 (2.5)					
[Grade]-2127	25 (1)	127 (5)					
[Grade]-2178	25 (1)	178 (7)					
[Grade]-3858	38 (1.5)	58 (2.3)					
[Grade]-3152	38 (1.5)	152 (6)					
[Grade]-4127	45 (1.8)	127 (5)					
[Grade]-5189	51 (2)	89 (3.5)					
[Grade]-5230	51 (2)	230 (9)					
[Grade]-5476	51 (2)	476 (18.7)					

Ordering:
Grades available: MTA, MTB, MTC, MTD, MTE.
All MicraLescer filter cartridges are supplied in sealed packs of 10.

In addition to our standard MicraLescer sizes listed, we are also able to manufacture bespoke tube sizes within the following parameters:

- Internal diameter: 12mm/25mm/38mm/51mm/45mm/63mm
- Length: 10mm - 475mm

Should you have a specific requirement, please contact Micrafilter for prices and ordering

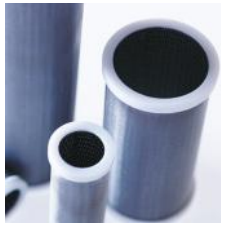
Specification					
Grade	MTA	MTB	MTC	MTD	MTE
Effciency, Air & Gas at 0.3 Micron	99.9998%	99.9998%	99.99%	99.50%	95%
Effciency, Liquid 98% at	0.3 micron	0.9 micron	2 micron	8 micron	25 micron
Cartridge Material	Borosilicate Glass Microbre				
Pressure Loss Replacement Indicator	400 mbar (6psi)				
Temperature Range*	-40°C to 150°C (-40°F to 302°F)				

* The temperature range of the cartridge intended for use must also be considered

Technical Notes

1 MicraTube filter cartridges use a fluorocarbon resin binder.
2 For easy identification all MicraTube filter cartridges have the model number printed on the outside.








Alternative Filter Cartridges

Accessory model	Description	Price
MBK1	Mounting Bracket	
MBK2	Mounting Bracket	
20 233 001 03	PTFE Support (OD12mm x L32mm)	
20 233 002 03	PTFE Support (OD12mm x L57mm)	
20 233 001 01	Stainless Steel Support (OD12mm x L32mm)	
20 233 002 01	Stainless Steel Support (OD12mm x L57mm)	

Alternative Filter Cartridges

Headline



Use the charts below to determine the Micralter equivalent to your specfied Headline filter cartridge. Should you have a specfic requirement, we are also able to manufacture bespoke size MicraLescer and MicraTube filter cartridges.
Please contact Micralter for prices and ordering.

MicraTube model	Replaces
MTA-1232	12-32 30K
MTA-1257	12-57 30K
MTA-2564	25-64 30K
MTA-2127	25-127 30K
MTA-2178	25-178 30K
MTA-3858	38-58 30K
MTA-3152	38-152 30K
MTA-4127	45-127 30K
MTA-5189	51-89 30K
MTA-5230	51-230 30K
MTA-5476	51-476 30K
MTB-1232	12-32 40K
MTB-1257	12-57 40K
MTB-2564	25-64 40K
MTB-2127	25-127 40K
MTB-2178	25-178 40K
MTB-3858	38-58 40K
MTB-3152	38-152 40K
MTB-4127	45-127 40K
MTB-5189	51-89 40K
MTB-5230	51-230 40K
MTB-5476	51-476 40K
MTC-1232	12-32 50K
MTC-1257	12-57 50K
MTC-2564	25-64 50K
MTC-2127	25-127 50K
MTC-2178	25-178 50K
MTC-3858	38-58 50K
MTC-3152	38-152 50K
MTC-4127	45-127 50K
MTC-5189	51-89 50K
MTC-5230	51-230 50K
MTC-5476	51-476 50K
MTD-1232	12-32 60K
MTD-1257	12-57 60K
MTD-2564	25-64 60K
MTD-2127	25-127 60K
MTD-2178	25-178 60K
MTD-3858	38-58 60K
MTD-3152	38-152 60K
MTD-4127	45-127 60K
MTD-5189	51-89 60K
MTD-5230	51-230 60K
MTD-5476	51-476 60K
MTE-1232	12-32 70K
MTE-1257	12-57 70K
MTE-2564	25-64 70K
MTE-2127	25-127 70K

MicraTube model	Replaces
MTE-2178	25-178 70K
MTE-3858	38-58 70K
MTE-3152	38-152 70K
MTE-4127	45-127 70K
MTE-5189	51-89 70K
MTE-5230	51-230 70K
MTE-5476	51-476 70K

MicraLescer model	Replaces
MCC-1232	12-32 50C
MCC-1257	12-57 50C
MCC-2564	25-64 50C
MCC-2127	25-127 50C
MCC-2178	25-178 50C
MCC-3858	38-58 50C
MCC-3152	38-152 50C
MCC-4127	45-127 50C
MCC-5189	51-89 50C
MCC-5230	51-230 50C
MCC-5460	51-460 50C
MCC-5476	51-476 50C
MCD-1232	12-32 60C
MCD-1257	12-57 60C
MCD-2564	25-64 60C
MCD-2127	25-127 60C
MCD-2178	25-178 60C
MCD-3858	38-58 60C
MCD-3152	38-152 60C
MCD-4127	45-127 60C
MCD-5189	51-89 60C
MCD-5230	51-230 60C
MCD-5460	51-460 60C
MCD-5476	51-476 60C
MCE-1232	12-32 70C
MCE-1257	12-57 70C
MCE-2564	25-64 70C
MCE-2127	25-127 70C
MCE-2178	25-178 70C
MCE-3858	38-58 70C
MCE-3152	38-152 70C
MCE-4127	45-127 70C
MCE-5189	51-89 70C
MCE-5230	51-230 70C
MCE-5460	51-460 70C
MCE-5476	51-476 70C

MicraMesh model	Replaces
MMT-1232-10	SS-110-10T
MMT-1257-10	SS-120-10T
MMT-2564-10	SS-130-10T
MMT-2178-10	SS-140-10T
MMT-1232-25	SS-110-25T
MMT-1257-25	SS-120-25T
MMT-2564-25	SS-130-25T
MMT-2178-25	SS-140-25T
MMT-1232-100	SS-110-100T
MMT-1257-100	SS-120-100T
MMT-2564-100	SS-130-100T
MMT-2178-100	SS-140-100T

MicraDif model	Replaces
MDA-123-[N]	DIFN 30
MDB-123-[N]	DIFN 40
MDC-123-[N]	DIFN 50
MDD-123-[N]	DIFN 60
MDE-123-[N]	DIFN 70

MicraSorb model	Replaces
MSB-AC	DIA - NCC
MSB-MB	DIA - NMB
MSB-PP	DIA - NPP
MSB-SG	DIA - NSG
MSB-4A	DIA - N4A
MSB-13X	DIA - N13X

MicraSorb model	Replaces
DE110 CC	DFE110E
DE115 CC	DFE115E
DE130 CC	DFE130E
DE150 CC	DFE150E

Alternative Filter Cartridges

Parker Balston



Use the charts below to determine the Micralter equivalent to your specied Parker Balston filter cartridge. Should you have a specific requirement, we are also able to manufacture bespoke size MicraLescer and MicraTube filter cartridges.
Please contact Micralter for prices and ordering.

MicraTube model	Replaces
MTA-1232	050-05 AAQ
MTA-1257	050-11 AAQ
MTA-2564	100-12 AAQ
MTA-2127	100-18 AAQ
MTA-2178	100-25 AAQ
MTA-3152	150-19 AAQ
MTA-5189	200-16 AAQ
MTA-5230	200-35 AAQ
MTA-5476	200-80 AAQ
MTB-1232	050-05 AQ
MTB-1257	050-11 AQ
MTB-2564	100-12 AQ
MTB-2127	100-18 AQ
MTB-2178	100-25 AQ
MTB-3152	150-19 AQ
MTB-5189	200-16 AQ
MTB-5230	200-35 AQ
MTB-5476	200-80 AQ
MTC-1232	050-05 BQ
MTC-1257	050-11 BQ
MTC-2564	100-12 BQ
MTC-2127	100-18 BQ
MTC-2178	100-25 BQ
MTC-3152	150-19 BQ
MTC-5189	200-16 BQ
MTC-5230	200-35 BQ
MTC-5476	200-80 BQ
MTD-1232	050-05 CQ
MTD-1257	050-11 CQ
MTD-2564	100-12 CQ
MTD-2127	100-18 CQ
MTD-2178	100-25 CQ
MTD-3152	150-19 CQ
MTD-5189	200-16 CQ
MTD-5230	200-35 CQ
MTD-5476	200-80 CQ
MTE-1232	050-05 DQ
MTE-1257	050-11 DQ
MTE-2564	100-12 DQ
MTE-2127	100-18 DQ
MTE-2178	100-25 DQ
MTE-3152	150-19 DQ
MTE-5189	200-16 DQ
MTE-5230	200-35 DQ
MTE-5476	200-80 DQ
MTE-1257	12-57 70K
MTE-2564	25-64 70K
MTE-2127	25-127 70K

MicraTube model	Replaces
MCC-1232	050-05 BX
MCC-1257	050-11 BX
MCC-2564	100-12 BX
MCC-2127	100-18 BX
MCC-2178	100-25 BX
MCC-3152	150-19 BX
MCC-5189	200-16 BX
MCC-5213	200-30 BX
MCC-5230	200-35 BX
MCC-5460	200-75 BX
MCC-5476	200-80 BX
MCD-1232	050-05 CX
MCD-1257	050-11 CX
MCD-2564	100-12 CX
MCD-2127	100-18 CX
MCD-2178	100-25 CX
MCD-3152	150-19 CX
MCD-5189	200-16 CX
MCD-5213	200-30 CX
MCD-5230	200-35 CX
MCD-5460	200-75 CX
MCD-5476	200-80 CX
MCE-1232	050-05 DX
MCE-1257	050-11 DX
MCE-2564	100-12 DX
MCE-2127	100-18 DX
MCE-2178	100-25 DX
MCE-3152	150-19 DX
MCE-5189	200-16 DX
MCE-5213	200-30 DX
MCE-5230	200-35 DX
MCE-5460	200-75 DX
MCE-5476	200-80 DX

MicraMesh model	Replaces
MMT-1257-5	050-11-05M
MMT-2564-5	100-12-05M
MMT-2178-5	100-25-05M
MMT-1257-10	050-11-10M
MMT-2564-10	100-12-10M
MMT-2178-10	100-25-10M
MMT-1257-100	050-11-00M
MMT-2564-100	100-12-00M
MMT-2178-100	100-25-00M

MicraDif model	Replaces
MDA-123-[N]	9933-05-AAQ
MDB-123-[N]	9933-05-AQ
MDC-123-[N]	9933-05-BQ
MDD-123-[N]	9933-05-CQ
MDE-123-[N]	9933-05-DQ

MicraSorb model	Replaces
MSB-AC	9922-05-000 9933-05-000
MSB-MB	9922-05-107 9933-05-107
MSB-PP	9922-05-105 9933-05-105
MSB-SG	9922-05-101 9933-05-101
MSB-4A	9922-05-102 9933-05-102
MSB-13X	9922-05-103 9933-05-103



Alpha Vacuum Filters and Elements

Extensive Filter Range

Walker Filtration's range of vacuum filtration products protect vacuum pumps from contamination, reduce oil consumption, increase overall efficiency levels and ensure the working environment is clean, safe, and odour free.

Vacuum Pump Protection

Our range of filters offer high efficiency and optimum contaminant removal for vacuum pump protection.

Vacuum Pump Exhaust

Two types of vacuum pump exhaust filters are available to remove oil mist from oil injected vacuum pumps.

Alpha Medical Vacuum Filters

This specialist range of filters is designed to meet the very specific needs for medical compressed air plants.

Odasorb Exhaust Filters

This specialist range of filters is designed to meet the very specific needs for medical compressed air plants.

T-Series Vacuum Pump Filters

This specialist range of filters is designed to meet the very specific needs for medical compressed air plants.

T-Series Condensate Trap Filters

This specialist range of filters is designed to meet the very specific needs for medical compressed air plants.



General Industry



Vacuum Packaging



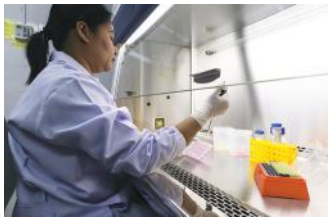
Food Production



Paint Spraying



Beverage & Breweries



Laboratories



Power Generation



Automotive



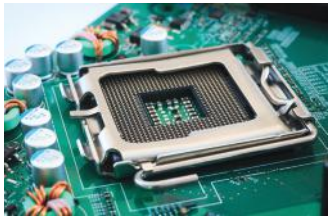
Military



Welding



Medical



Electronics

Accessories

To accompany our standard range, we supply a comprehensive range of spares and accessories, starting on page 152



Alpha Vacuum Pump Protection Filters

Models | A30032 to A31500

Flow Rates:	Flow Rates 4 SCFM (7 Nm3/hr) to 288 SCFM (489 Nm3/hr)
Working pressure:	4 barg to 20.7 barg
Operating Temperature:	1ºC to 120ºC
Connections:	⅜ to 3 inches

Our range of Alpha Series Vacuum Pump Protection Filters have a rating of 0.1 Torr and are suitable for both rough and high vacuum applications.

- **Market Leading Performance Custom engineered filtration media delivers optimum performance**
- **Simplified Serviceability Profiled bowl design and unique push fit filter elements ensure quick and reliable maintenance**
- **Exceptional Drainage Manual drain fitted to all Vacuum Pump Protection Filters as standard**
- **Product Safety in Mind Guaranteed safe housing closure with rotational safety stop**
- **Corrosion Protection Internal and external electrophoretic paint finish followed by a tough exterior polyester powder coating**



Differential Pressure Gauge 65DPG250G



Manual Drain Valve
A30032 to A30050
MDV25

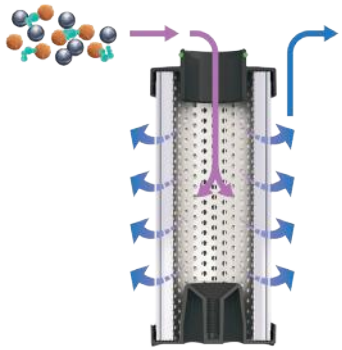


Externally accessibly Manual Drain Valve
A30070 to A31500
order MDVE25

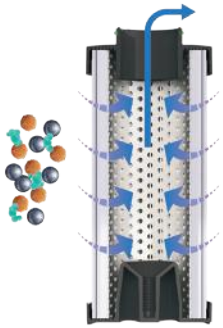


MLA 100 or MLA 250

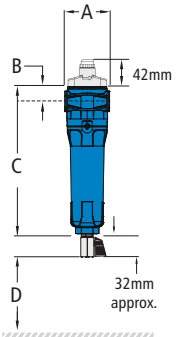
(Vacuum drain flask assembly, optional extra for oil collection)



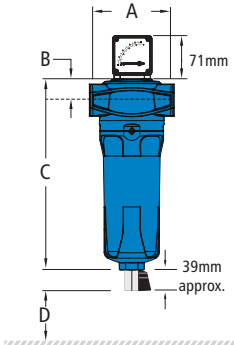
Coalescing;
Flows inside to out



Particulate;
Flows outside to in



A30032 to A30050



A30070 to A31500

Replacements and Spare Parts (refer to page 143)

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Alpha Vacuum Pump Protection Filters

Filter model	Pipe size inches	Exhaust flow rate* (vacuum displacement)		Dimensions mm				Weight Kg	Complete price (£)	Element model	Element price (£)
		Nm³/h	SCFM	A	B	C	D				
A30032 (grade)	⅜	7	4	70	23	231	70	0.6		**E30408 (grade)**	
A30050 (grade)	½	11	7	70	23	231	70	0.6		**E30412 (grade)**	
A30070 (grade)	½	20	12	127	32	285	80	1.7		**E30612 (grade)**	
A30085 (grade)	¾	25	15	127	32	285	80	1.7		**E30612 (grade)**	
A30105 (grade)	1	29	17	127	32	285	80	1.7		**E30612 (grade)**	
A30125 (grade)	¾	35	21	127	32	370	80	2.0		**E30621 (grade)**	
A30175 (grade)	1	50	29	127	32	370	80	2.0		**E30621 (grade)**	
A30280 (grade)	1¼	75	44	140	41	476	85	3.0		**E30731 (grade)**	
A30320 (grade)	1½	85	50	140	41	476	85	3.0		**E30731 (grade)**	
A30400 (grade)	1½	100	59	170	53	508	100	4.9		**E30831 (grade)**	
A30450 (grade)	2	115	68	170	53	508	100	4.9		**E30831 (grade)**	
A30700 (grade)	2	180	106	170	53	708	100	5.5		**E30850 (grade)**	
A30850 (grade)	2½	200	118	220	70	736	100	10.5		**E31140 (grade)**	
A30900 (grade)	3	234	138	220	70	736	100	10.5		**E31140 (grade)**	
A31250 (grade)	3	360	212	220	70	857	100	11.5		**E31160 (grade)**	
A31500 (grade)	3	489	288	220	70	1005	100	12.5		**E31175 (grade)**	

* Flow rate at atmospheric pressure, 1 bar (a) and 20°C

Grade	VLR		VX1	
Particle removal	5 micron		1 micron	
Pressure loss - clean & dry	20 mbar	0.3 psi	40 mbar	0.6 psi
Pressure loss - element change	12 months	8000 hours	12 months	8000 hours
Maximum temperature	120°C	248°F	120°C	248°F
Maximum working pressure	20.7 barg	300 psig	20.7 barg	300 psig
Maximum working vacuum	Full vacuum		Full vacuum	
Element end cap colour	Green		Red	

Vacuum correction factors		for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure									
Operating vacuum	mbar abs	atmospheric	900	800	700	600	500	400	300	200
	Torr	760	675	600	525	450	375	300	225	150
	InchHg	29.9	26.6	23.6	20.7	17.7	14.8	11.8	8.9	5.9
	psia	14.7	13.0	11.6	10.2	8.7	7.3	5.8	3.3	2.9
Correction factor		1.00	0.93	0.86	0.79	0.71	0.64	0.57	0.5	0.43

Technical Notes

1 Direction of air flow is inside to out through VLR grade and outside to in through VX1 grade.

2. Pop Up Indicator (65DPUGA3-100) is fitted to models A30032 to A30050. Differential Pressure Gauge (65DPG250G) is fitted to models A30070 to A31500 as standard. Volt free contact options are available upon request.

3. Manual drain valves (MDV25 on models A30032 to A30050 and MDVE25 on models A30070 to A31500) are fitted as standard.

4. Drain flasks are available for liquid collection for use at atmospheric pressure or vacuum only.

5. Alpha Filters are manufactured from cast aluminium alloy and are PED 2014/68/EU compliant for group 2 gases.

6 Threaded connections are Rp (BSP Parallel) to ISO 7-1 or NPT to ANSI/ASME B1.20.1 if supplied within North America. Rc (BSP Taper) to ISO 7-1 also available.

7 For NPT threads, add the suffix N, e.g., A30070NVLR, and for Rc threads add the suffix C, e.g. A30070CVLR.

8 Filter elements should be changed every 12 months / 8000 hours (whichever comes first).

Alpha Vacuum Pump Exhaust Filters

Models | A30032EF to D3109EFC

Flow Rates:	Flow Rates 4 SCFM (7 Nm3/hr) to 288 SCFM (489 Nm3/hr)
Working pressure:	4 barg to 20.7 barg
Operating Temperature:	1ºC to 120ºC
Connections:	⅜ to 3 inches

The Alpha Series range of simplex and duplex exhaust filters is designed for oil mist removal from oil injected vacuum pumps. Our range of Exhaust Filters are both energy efficient and reliable.

- **Exceptional Drainage Manual drain fitted to all Vacuum Pump Protection Filters as standard**
- **Market Leading Performance Custom filter construction delivers optimum performance**
- **Simplified Serviceability Profiled bowl design and unique push fit elements ensure quick and reliable maintenance**
- **Product Safety in Mind Guaranteed safe housing closure with rotational safety stop**
- **Corrosion Protection Internal and external electrophoretic paint finish followed by a tough exterior polyester powder coating**



Differential Pressure Gauge 65DPG250G



Manual Drain Valve A30032 to A30050 and D3038EFC to D3109EFC order MDV25



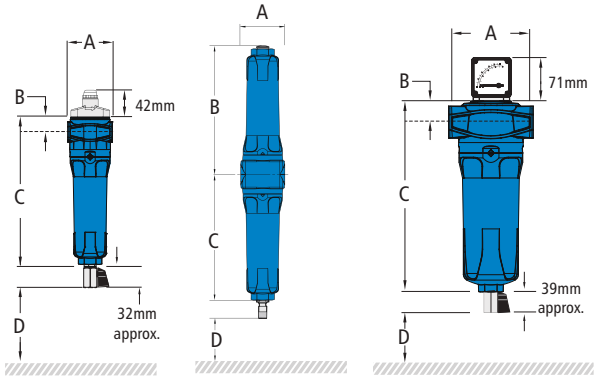
Externally accessibly Manual Drain Valve A30070 to A31500 order MDVE25

EF (0.1 micron)
DAC (0.1 micron)



MLA 100 or MLA 250

(Vacuum drain flask assembly, optional extra for oil collection)



A30032 to A30050 | D3038EFC to D3109EFC | A30070 to A31500

Replacements and Spare Parts (refer to page 143)

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Alpha Vacuum Pump Exhaust Filters

Filter model	Pipe size inches	Exhaust flow rate* (vacuum displacement)		Dimensions mm				Weight Kg	Complete price (£)	Element model	Element price (£)
		Nm^3/h	SCFM	A	B	C	D				
A30032EF	⅜	7	4	70	23	231	70	0.6		**E30408EF**	
A30050EF	½	11	7	70	23	231	70	0.6		**E30412EF**	
A30070EF	½	20	12	127	32	285	80	1.7		**E30612EF**	
A30085EF	¾	25	15	127	32	285	80	1.7		**E30612EF**	
A30105EF	1	29	17	127	32	285	80	1.7		**E30612EF**	
A30125EF	¾	35	21	127	32	370	80	2.0		**E30621EF**	
A30175EF	1	50	29	127	32	370	80	2.0		**E30621EF**	
A30280EF	1¼	75	44	140	41	476	85	3.0		**E30731EF**	
A30320EF	1½	85	50	140	41	476	85	3.0		**E30731EF**	
A30400EF	1½	100	59	170	53	508	100	4.9		**E30831EF**	
A30450EF	2	115	68	170	53	508	100	4.9		**E30831EF**	
A30700EF	2	180	106	170	53	708	100	5.5		**E30850EF**	
A30850EF	2½	200	118	220	70	736	100	10.5		**E31140EF**	
A30900EF	3	234	138	220	70	736	100	10.5		**E31140EF**	
A31250EF	3	360	212	220	70	857	100	11.5		**E31160EF**	
A31500EF	3	489	288	220	70	1005	100	12.5		**E31175EF**	
D3038EFC	⅜	7	4	70	199	204	70	1.0		**E30408DEF / E30408DAC**	
D3058EFC	½	11	7	70	199	204	70	1.1		**E30412DEF / E30412DAC**	
D3059EFC	½	20	12	100	236	240	80	2.3		**E30613DEF / E30613DAC**	
D3078EFC	¾	25	15	100	236	240	80	2.3		**E30613DEF / E30613DAC**	
D3079EFC	¾	35	21	100	356	360	80	3.1		**E30625DEF / E30625DAC**	
D3109EFC	1	50	29	100	356	360	80	3.2		**E30625DEF / E30625DAC**	

* Flow rate at atmospheric pressure 1 bar (a) and 20°C

Grade	EF / DEF		DAC	
Particle removal	0.1 micron		0.1 micron	
Maximum oil carryover at 20°C (68°F)	1 mg/m^3		0.003 mg/m^3	
Pressure loss - clean & dry	25 mbar	0.36 psi	30 mbar	0.44 psi
Pressure loss - saturated	70 mbar	1 psi	75 mbar	1.1 psi
Pressure loss - element change	12 mths	8000 hrs	at least every 6 months	
Maximum temperature	120°C	248°F	50°C **	122°F **
Maximum working pressure	20.7 barg	300 psig	20.7 barg	300 psig
Element end cap colour	**Black**			

** Recommended operating temperature 25°C (77°F)

Technical Notes

1. Pop Up Indicator (65DPUGA3-100) is fitted to models A30032 to A30050. Differential Pressure Gauge (65DPG250G) is fitted to models A30070 to A31500 as standard.
2. Manual drain valves MDV25 on models A30032EF to A30050EF and D3038EFC to D3109EFC, MDVE25 on models A30070EF to A31500EF, are fitted as standard.
3. Drain Flasks are available for liquid collection, for use at atmospheric pressure or vacuum only.
4. Duplex Filters provide a DEF grade element in the lower section for oil removal and a DAC grade element in the upper section for odour removal. Direction of air flow is inside to out through EF grade and outside to in through AC grade filter element.
5. Alpha Filters are manufactured from cast aluminium alloy and are PED 2014/68/EU compliant for group 2 gases.
6. Activated Carbon Filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO2).
7. Threaded connections are Rp (BSP Parallel) to ISO 7-1 or NPT to ANSI/ASME B1.20.1 if supplied within North America. Rc (BSP Taper) to ISO 7-1 also available.
8. For NPT threads, add the suffix N, e.g., A30070NEF, and for Rc threads add the suffix C, e.g. A30070CEF.
9. Filter elements should be changed every 12 months / 8000 hours (whichever comes first). Activated Carbon Filter elements should be changed at least every 6 months.

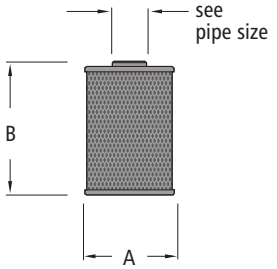
Odasorb Exhaust Filters

Models | OS50 to OS200	
Flow Rates:	Flow rates 30 SCFM (50 Nm³/hr) to 150 SCFM (250 Nm³/hr)
Operating Temperature:	1ºC to 120ºC
Connections:	⅜ to 2 inches

For rotary vane type pumps with internal oil separation, Odasorb Exhaust Filters are fitted directly to the pump outlet to provide a safe working environment.

- **Simplified Servicing Each Odasorb Exhaust Filter is a self contained unit with no requirement for an external housing, making them completely disposable and easy to replace**
- **Quick and Easy Installation Can be fitted directly to a pump outlet and to to Walker Filtration Vacuum Exhaust Filters for additional odor removal**
- **High Efficiency High performance**





OS50 TO OS200

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Replacements and Spare Parts (refer to page 143)

Odasorb Exhaust Filters

Filter model	Pipe size inches	Flow rate		Dimensions mm		Weight Kg	Complete price (£)
		Nm^3/h	SCFM	A	B		
OS50	¾	50	30	80	150	0.8	
OS75	¹	75	45	100	150	0.9	
OS100	1¼	100	60	130	150	1.0	
OS150	1½	150	90	130	250	1.1	
OS200	2	250	150	130	300	1.2	

Grade	OS	
Maximum temperature	120°C	248°F
Element end cap material	**Stainless steel**	

Technical Notes

1 Activated Carbon Filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO^2)..

2. Odasorb products must be changed at least every 6 months..

Alpha Medical Vacuum Filters

Models | A30025MV to A31500MV	
Flow Rates:	Flow rates 30 SCFM (50 Nm³/hr) to 150 SCFM (250 Nm³/hr)
Operating Temperature:	1ºC to 120ºC
Connections:	⅜ to 2 inches

Alpha Medical Vacuum Filters are designed to protect the vacuum pump from liquid, solid and bacterial contamination in vacuum systems, and are third party tested and validated to international medical gas standards including UK HTM 02-01, NFPA99 and AS2896.

- **High Efficiency Medical Grade Filter Element Custom engineered filter media and deep pleat element technology provides minimal pressure loss and filtration efficiencies in excess of international medical gas standards**
- **International Medical Gas Standards Fully compliant with global medical gas pipeline systems standards ISO 7396-1, HTM 02-01, NFPA 99 and AS 2896**
- **Quick and Easy Maintenance Unique push fit element design allows for easy maintenance, significantly reducing service time and contact time for service engineers with contaminated filter elements**
- **Advanced Filtration Technology Low pressure loss borosilicate glass microfibermedia and open cell reticulated foam pre-filtration layer captures particulates, bacteria and liquid aerosols reducing energy consumption and overall system costs for low total cost of ownership**
- **Product Safety in Mind Quality design and build. Guaranteed safe housing closure with rotational safety stop**



Differential Pressure Gauge 65DPG250B

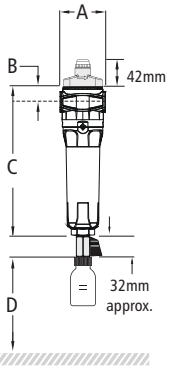


Externally accessible Manual Drain Valve MDVE25

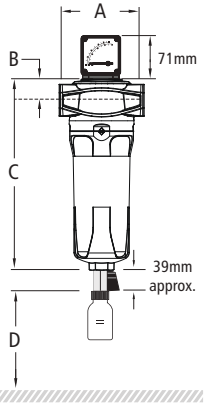
MV Element



MLA100 and MLA250



A30025MV to A30050MV



A30070MV to A30900MV

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Replacements and Spare Parts (refer to page 143)

Alpha Medical Vacuum Filters

Filter model	Pipe size inches	Max. Rated Flow at Atmospheric Pressure		Maximum Rated Flow at an Operating Vacuum (Suction) of 475 mmHg (63 kPa)[383.25 mbar(a)]				Dimensions mm				Weight Kg	Complete price (£)	Element model	Element price (£)
		Free Air Aspirated		Free Air Aspirated (FAA)		Rarified Air Flow									
		NL/min	SCFM	Nl/min	SCFM	L/min	CFM	A	B	C	D				
A30025MV	¼	48	1.7	25	0.9	66	2.3	70	23	231	70	0.6		**E30408MV**	
A30032MV	⅜	82	2.9	45	1.6	119	4.2	70	23	231	70	0.6		**E30408MV**	
A30050MV	½	187	6.6	105	3.7	278	9.8	70	23	231	70	0.6		**E30412MV**	
A30070MV	½	340	12.0	190	6.7	502	17.7	127	32	285	80	1.7		**E30612MV**	
A30085MV	¾	420	14.8	235	8.3	621	21.9	127	32	285	80	1.7		**E30612MV**	
A30105MV	1	495	17.5	275	9.7	727	25.7	127	32	285	80	1.7		**E30612MV**	
A30175MV	1	870	30.7	485	17.1	1282	45.3	127	32	370	80	2.0		**E30621MV**	
A30280MV	1¼	1285	45.4	720	25.4	1904	67.2	140	41	476	85	3.0		**E30731MV**	
A30320MV	1½	1340	47.3	750	26.5	1983	70	140	41	476	85	3.0		**E30731MV**	
A30400MV	1½	1875	66.2	1050	37.1	2776	98.0	170	53	508	100	4.9		**E30831MV**	
A30450MV	2	1965	69.4	1100	38.8	2908	102.7	170	53	508	100	4.9		**E30831MV**	
A30700MV	2	2770	97.8	1550	54.7	4098	144.7	170	53	708	100	5.5		**E30850MV**	
A30850MV	2½	4700	166.0	2630	92.9	6953	245.6	220	70	736	100	10.5		**E31140MV**	
A30900MV	3	5360	189.3	3000	105.9	7932	280.1	220	70	736	100	10.5		**E31140MV**	
A31250MV	3	5985	211.4	3350	118.3	8857	312.8	220	70	857	100	11.5		**E31160MV**	
A31500MV	3	6340	223.9	3550	125.4	9386	331.4	220	70	1005	100	12.5		**E31175MV**	

NOTE: Rated flows are stated at HTM 02-01 conditions. For flows at other operating vacuum pressures, please consult Walker Filtration Ltd. Operating vacuum (suction) pressure is stated at the filter outlet (i.e. vacuum pump or suction side) Standard (reference) atmosphere: 101.325 kPa (1013.25 mbar(a), 20°C

Grade	MV
Particle removal efficiency	> 99.9999% (HTM 02-01 specifies >99.995%)*
Pressure loss - clean & dry	≤ 3 kPa (30 mbar / 0.44 psig)
Maximum temperature	60°C (140°F)
Maximum working pressure	0.5 barg (7 psig)
Maximum working vacuum	Full Vacuum
Element end cap colour	**Black**

*In accordance with BS 3928:1969. Fully validated to ISO 7396-1, AS 2896 and NFPA 99. Certificates available on request.

Pressure correction factor	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure											
Operating pressure (absolute) mbar(a)	1013.25	1000	900	800	700	600	500	400	383.25	300	200	100
Correction factor	1.78	1.76	1.65	1.54	1.42	1.30	1.17	1.02	1.00	0.78	0.52	0.26

Technical Notes

1. Pop Up Indicator (65DPUGA3-100) is fitted to models A30032 to A30050. Differential Pressure Gauge (65DPG250G) is fitted to models A30070 to A31500 as standard.
2. Manual drain valves MDV25 on models A30032EF to A30050EF and D3038EFC to D3109EFC, MDVE25 on models A30070EF to A31500EF, are fitted as standard.
3. Drain Flasks are available for liquid collection, for use at atmospheric pressure or vacuum only.
4. Duplex Filters provide a DEF grade element in the lower section for oil removal and a DAC grade element in the upper section for odour removal. Direction of air flow is inside to out through EF grade and outside to in through AC grade filter element.
5. Alpha Filters are manufactured from cast aluminium alloy and are PED 2014/68/EU compliant for group 2 gases.
6. Activated Carbon Filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO2).
7. Threaded connections are Rp (BSP Parallel) to ISO 7-1 or NPT to ANSI/ASME B1.20.1 if supplied within North America. Rc (BSP Taper) to ISO 7-1 also available.
8. For NPT threads, add the suffix N, e.g., A30070NEF, and for Rc threads add the suffix C, e.g. A30070CEF.
9. Filter elements should be changed every 12 months / 8000 hours (whichever comes first). Activated Carbon Filter elements should be changed at least every 6 months.

T-Series Vacuum Pump Filters

Models | VFT0008 to VFT0025

Flow Rates:	Flow Rates 5 CFM (8 m³/hr) to 15 CFM (25 m³/hr)
Working pressure:	0.5 barg
Operating Temperature:	1ºC to 90ºC
Connections:	½ to 1 inches

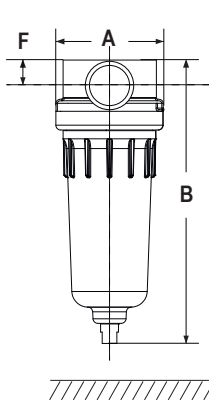
Our T-Series vacuum pump filter range includes a selection of externally mounted vacuum filters designed to remove contaminants from the vacuum system. Connected to the vacuum pump intake and exhaust, T-Series filters are designed to both protect the vacuum pump from, and to remove oil mists, aerosols, particulates, condensates and fluids discharged from the vacuum pump exhaust.

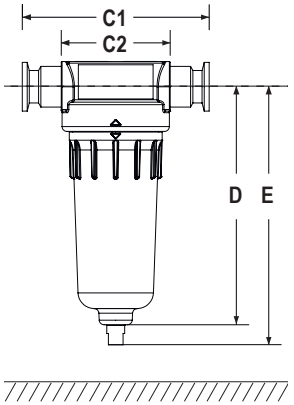
- **Leak Tight ≥ 1x10-5 mbar l/s when tested with helium**
- **Performance Guaranteed Meets air purity classification 4 as per ISO 8573-1 and has a separation efficiency of >99% oil mist**
- **Flexible Installation Filters can be connected, depending on the filtration requirement, to either the intake or the exhaust side of the vacuum pump**
- **International Connections ISO KF (DIN 28403 & ISO 2861) and G (ISO 7-1) threaded ports supplied as standard**
- **Internal Pressure Valve Internal pressure relief bypass valve is incorporated in the product design to avoid a blocked filter creating overpressure**
- **Visual Monitoring Transparent polyamide bowl design allows for quick and easy visual inspection of filter element condition or levels of intercepted liquid in the filter bowl**

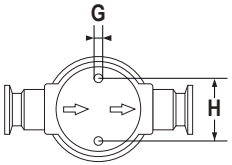




VET0008*
VET0010*
VET0016**
VET0025**







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Replacements and Spare Parts (refer to page 143)

T-Series Vacuum Pump Filters

Filter model	Pipe size		Flow Rate		Dimensions mm									Weight Kg	Complete price (£)	Element model	Element price (£)
	ISO KF	Threaded	m^3/hr	CFM	A	B	C1	C2	D	E	F	G	H				
VFT0008	16	½"	8	5	66	174	115	67	147	159	16	M6	38	0.24		**VET0008***	
VFT0010	25	1"	10	6	101	233	136	90	198	210	23	M10	64	0.53		**VET0010***	
VFT0016	25	1"	16	10	116	248	164	104	206	218	30	M10	80	0.67		**VET0016**	
VFT0025	25	1"	25	15	116	303	166	104	262	273	30	M10	80	0.76		**VET0025**	

*Sold in packs of 5

Maximum Working Pressure	0.5 barg	7 psig
Maximum Vacuum	Full Vacuum	
Maximum temperature	90°C	194°F
ΔP * - Clean & Dry**	100 mbar	
ΔP * - Saturated**	300 mbar	
Helium Standard Leak Rate	< 1 x 10^{-5} mbar x l/s	
Construction Materials	Polyamide 6 Borosilicate Glass Microfibre Viton® (Seals)	

***Measured at operating full flow at a pressure of 1000 mbar(a)

Filtration	Oil Mist (Aerosols)	Particles
Filter Flow Direction	Normal	Particles
Efficiency	>99% challenge rate 1500mg/m^3 ISO 8573-1:2010 Class 4	99.99% @ 0.3 micron
Over Pressure Valve Opening	0.5 bar (+/-0.1)	
Filter Replacement	Variable based on service conditions or 12 months (whichever is sooner)	

Technical Notes

1. ISO KF Flanged connections conform with ISO 2861:2020 and DIN 28403:1986
2. Threaded connections to ISO 7-1:1994.
3. Filters elements should be changed annually (8000 hours) or when required based on operational service conditions, whichever is sooner. Element models VET0008-0010 sold in packs of 5, models VET0016-0025 sold individually.
4. Transparent filter bowl allows for visual inspection of element condition.
5. Filters are not suitable for toxic or aggresive gasses. For such applications please contact Walker Filtration.

T-Series Condensate Trap Filters

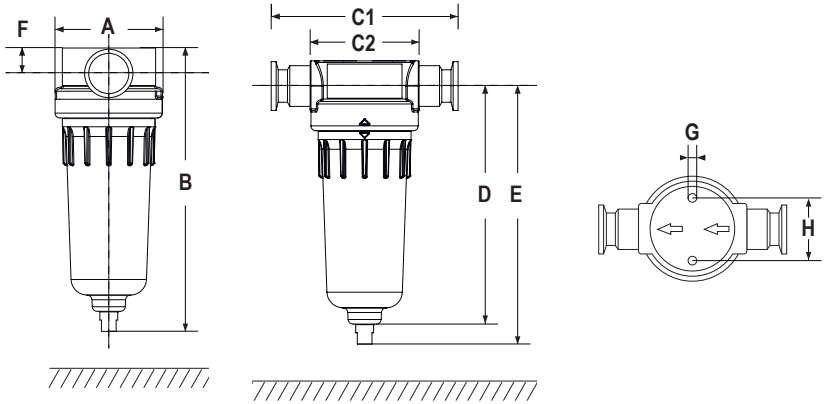
Models | VCT0008 to VCT0025

Flow Rates:	Flow Rates 5 CFM (8 m³/hr) to 15 CFM (25 m³/hr)
Working pressure:	0.5 barg
Operating Temperature:	90ºC
Connections:	½ to 1 inches

Our T-Series vacuum filter range includes a selection of externally mounted vacuum filters designed to remove contaminants from the vacuum system. The inlet filters are designed to eradicate oil mists, aerosols, particulates, condensates and fluids emitted from vacuum pumps.

- **Leak Tight ≥ 1x10-5 mbar l/s when tested with helium**
- **International Connections ISO KF (DIN 28403 & ISO 2861) and G (ISO 7-1) threaded ports supplied as standard**
- **Visual Monitoring Transparent polyamide bowl design allows for quick and easy visual inspection of condensate levels of intercepted liquid in the filter bowl**
- **Product Safety in Mind Rotational safety stop and lock indication arrows guarantee safe housing closure**
- **Filter Draining Easy emptying of liquids in bowl via drain screw at base of filter**





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Replacements and Spare Parts (refer to page 143)

T-Series Condensate Trap Filters

Filter model	Pipe size		Flow Rate		Dimensions mm									Weight Kg	Complete price (£)
	ISO KF	Threaded	m^3/hr	CFM	A	B	C1	C2	D	E	F	G	H		
VCT0008	16	½"	8	5	66	174	115	67	147	159	16	M6	38	0.18	
VCT0010	25	1"	10	6	101	233	136	90	198	210	23	M10	64	0.46	
VCT0016	25	1"	16	10	116	248	164	104	206	218	30	M10	80	0.57	
VCT0025	25	1"	25	15	116	303	166	104	262	273	30	M10	80	0.64	

Maximum Working Pressure	0.5 barg	7 psig
Maximum Vacuum	Full Vacuum	
Maximum temperature	90°C	194°F
Helium Standard Leak Rate	< 1 x 10^{-5} mbar x l/s	
Construction Materials	Polyamide 6 Viton® (Seals)	

*Measured at operating full flow at a pressure of 1000 mbar(a)

Technical Notes

1. Threaded connections are G thread to ISO 7-1.
2. Filters should be changed based upon operational contitions or annually, whichever is sooner. Transparent bowl allows for visual condition check.
3. The exhaust filter is not capable of retaining toxic and/or aggresive gasses. For such applications please contact sales to check suitability.



Hydrogen Series Filters and Elements

Walker Filtration's Hydrogen Filters provide a comprehensive range of high efficiency filters designed to meet the stringent requirements of Hydrogen applications. Walker Filtration can provide reliable filtration solutions for Hydrogen generation systems, that are manufactured in accordance with ASTM G93 / G93M.

Models | 50H02500 to 50H20010, 100H02500 to 100H20010, 350H02500 to 350H20000
Flow Rates 270 Nm³/hr (159 SCFM) up to 37700 Nm³/hr (22189 SCFM)

Available in two filtration grades of 1 micron and 5 microns, our hydrogen gas filters provide low pressure drop and offer optimal contamination protection against particle ingress for pressure system components.

Suitable for use with dry hydrogen, these filters are available in a range of flows and pressures to protect the various stages of the developing hydrogen economy, whatever your requirement, Walker Filtration can support you with your unique and custom hydrogen filtration solutions.

- **Port – ¼" – 2"**
- **Particle Removal down to 1 Micron**
- **Pressure – Upto 350Bar (maximum working pressure)**
- **Safety 1st – PED 2014/68/EU Compliant for Group 1 Gases**



Storage


Hydrogen Analysis


Re-Fuelling Stations


Electrolysers


Boosters & Compressors

Accessories

To accompany our standard range, we supply a comprehensive range of spares and accessories, starting on page 152



Hydrogen Coalescing Filter

Models | Models | 50H02500 to 50H20010, 100H02500 to 100H20010, 350H02500 to 350H20000

Flow Rates:	Flow Rates 270 Nm³/hr (159 SCFM) up to 37700 Nm³/hr (22189 SCFM)
Working pressure:	7 barg to 350 barg
Operating Temperature:	-40ºC to 130ºC
Connections:	¼ to 2 inches

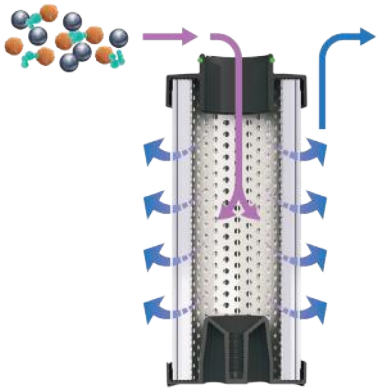
Walker Filtration's 50, 100 and 350 barg Hydrogen Filters provide a comprehensive range of high efficiency filters designed to meet the stringent requirements of Hydrogen applications.

- **Advanced Filtration Technology Optimum design and high efficiency filtration media provides low pressure losses and increased energy savings in line with air quality standard ISO 8573-1: 2010**
- **O-ring Sealing Push-fit element design and specialist hydrogen compatible O-ring seals eliminate risk of contaminant bypass**
- **Stainless Steel Element End Caps on all element models**
- **Simplified Serviceability Hexagonal spanner locator coupled with the internal unique push fit element ensures a simple, quick and reliable servicing process**
- **Quality Guaranteed all Hydrogen Filters are manufactured in an ISO 9001 certified factory and are PED compliant. Each filter is hydrostatic tested prior to despatch to guarantee quality and performance**

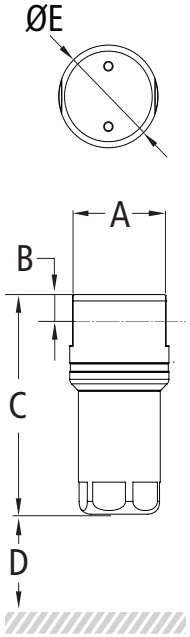




Filter Element
X5 (5 micron)
X1 (1 micron)



Coalescing;
Flows inside to out



XXXH02500 -
XXXH20010

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Replacements and Spare Parts (refer to page 143)

Hydrogen Coalescing Filter

Filter model	Pipe size inches	MAWP Barg (psig)	Hydrogen inlet flow rate*		Dimensions mm					Weight kg	Complete price (£)	Element model	Element price (£)
			Nm³/hr	SCFM	A	B	C	D	ØE				
50 barg (725 psig) maximum working pressure													
50H02500 (grade)	¼"	50 (725)	270	159	75	17	172	160	80	3.85		**ETG00100 (grade)**	
50H03700 (grade)	⅜"	50 (725)	530	312	75	20	177	160	80	4.00		**ETG00100 (grade)**	
50H05000 (grade)	½"	50 (725)	880	518	75	20	177	160	82	4.00		**ETG00100 (grade)**	
50H07500 (grade)	¾"	50 (725)	1580	930	98	23	180	160	105	6.70		**ETG00200 (grade)**	
50H10000 (grade)	1"	50 (725)	2640	1554	98	28	252	220	108	9.20		**ETG00300 (grade)**	
50H15000 (grade)	1½"	50 (725)	5500	3237	139	38	323	260	153	20.00		**ETG00400 (grade)**	
50H20000 (grade)	2"	50 (725)	5500	3237	161	45	343	260	175	26.60		**ETG00500 (grade)**	
50H20010 (grade)	2"	50 (725)	10700	6298	161	45	523	450	175	32.70		**ETG00600 (grade)**	
100 barg (1450 psig) maximum working pressure													
100H02500 (grade)	¼"	100 (1450)	535	315	75	17	172	160	80	4.00		**ETG00100 (grade)**	
100H03700 (grade)	⅜"	100 (1450)	1050	618	75	20	177	160	80	4.00		**ETG00100 (grade)**	
100H05000 (grade)	½"	100 (1450)	1750	1030	75	20	177	160	82	4.00		**ETG00100 (grade)**	
100H07500 (grade)	¾"	100 (1450)	3140	1848	98	23	180	160	105	6.70		**ETG00200 (grade)**	
100H10000 (grade)	1"	100 (1450)	5230	3078	98	28	252	220	108	9.20		**ETG00300 (grade)**	
100H15000 (grade)	1½"	100 (1450)	10850	6386	139	38	323	260	153	20.00		**ETG00400 (grade)**	
100H20000 (grade)	2"	100 (1450)	10850	6386	161	45	343	260	175	26.60		**ETG00500 (grade)**	
100H20010 (grade)	2"	100 (1450)	21200	12478	161	45	523	450	175	32.70		**ETG00600 (grade)**	
350 barg (5000 psig) maximum working pressure													
350H02500 (grade)	¼"	350 (5075)	1850	1089	80	17	173	160	85	5.20		**ETG00100 (grade)**	
350H03700 (grade)	⅜"	350 (5075)	3640	2142	85	20	178	160	90	5.70		**ETG00100 (grade)**	
350H05000 (grade)	½"	350 (5075)	6063	3569	83	20	178	160	90	5.70		**ETG00100 (grade)**	
350H07500 (grade)	¾"	350 (5075)	10900	6415	108	25	192	160	115	10.10		**ETG00200 (grade)**	
350H10000 (grade)	1"	350 (5075)	18150	10683	105	28	260	220	115	12.50		**ETG00300 (grade)**	
350H15000 (grade)	1½"	350 (5075)	37700	22189	153	49	350	260	165	35.00		**ETG00400 (grade)**	
350H20000 (grade)	2"	350 (5075)	37700	22189	167	50	363	260	184	43.20		**ETG00500 (grade)**	

Grade	X5		X1	
Particle removal	5 micron		1 micron	
Maximum oil content**	4		3	
Maximum oil carryover at 20°C (68°F)	5 mg/m³		0.3 mg/m³	
Minimum Temperature	-40°C	-40°F	-40°C	-40°F
Maximum Temperature	130°C	266°F	130°C	266°F
Element end cap colour	Stainless Steel			

Pressure correction factors		For maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure									
50 Bar Range	**Operating pressure barg (psig)**	7 (101)	10 (147)	15 (221)	20 (294)	25 (368)	30 (435)	35 (507)	40 (580)	45 (652)	50 (725)
	Correction factor	0.16	0.22	0.31	0.41	0.51	0.61	0.71	0.80	0.90	1.0
100 Bar Range	**Operating pressure barg (psig)**	7 (101)	20 (290)	30 (435)	40 (580)	50 (725)	60 (870)	70 (1015)	80 (1160)	90 (1300)	100 (1450)
	Correction factor	0.08	0.21	0.31	0.41	0.51	0.60	0.70	0.80	0.90	1.0
350 Bar Range	**Operating pressure barg (psig)**	7 (101)	30 (435)	40 (580)	50 (725)	100 (1450)	150 (2175)	200 (2900)	250 (3625)	300 (4350)	350 (5075)
	Correction factor	0.02	0.09	0.12	0.15	0.29	0.43	0.57	0.72	0.86	1.0

Technical Notes

1. All Hydrogen Filters are supplied with ¼" drain plug.
2. Hydrogen Filters are manufactured from grade 316 Stainless steel and are PED 2014/68/EU compliant for group 1 gases.
3. Threaded connections are Rp (BSP Parallel) to ISO 7-1 or NPT to ANSI/ASME B1.20.1 if supplied within North America.
4. Walker Filtration genuine spare and aftermarket parts must be used, failure to do so will void product warranty. Walker Filtration shall not be held liable for damages suffered by the customer if Walker Filtration genuine hydrogen rated spare and aftermarket parts are not used.
5. For NPT threads, add the suffix N, e.g., 50H02500NX1.
6. Filter elements should be changed every 12 months / 8000 hours (whichever comes first).

Hydrogen Coalescing Flanged Filter

Models |
50H10000F150 to 50H20010F150,
50H10000F300 to 50H20010F300,
100H10000F400 to 100H20010F400,
100H10000F600 to 100H20010F600

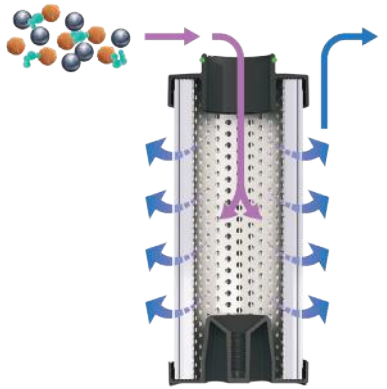
Flow Rates:	Flow Rates 1100 Nm³/hr (647 SCFM) up to 21200 Nm³/hr (12478 SCFM)
Working pressure:	4 barg to 99.3 barg
Operating Temperature:	-29ºC to 130ºC
Connections:	1 to 2 inches

Walker Filtration's 50, 100 and 350 barg Hydrogen Filters provide a comprehensive range of high efficiency filters designed to meet the stringent requirements of Hydrogen applications.

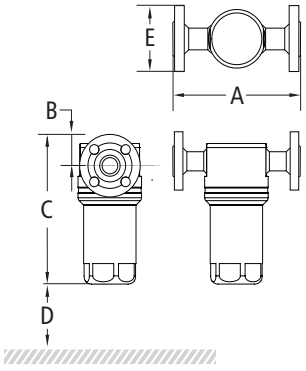
- **Advanced Filtration Technology Optimum design and high efficiency filtration media provides low pressure losses and increased energy savings in line with air quality standard ISO 8573-1: 2010**
- **O-ring Sealing Push-fit element design and specialist hydrogen compatible O-ring seals eliminate risk of contaminant bypass**
- **Stainless Steel Element End Caps On all element models**
- **Simplified Serviceability Hexagonal spanner locator coupled with the internal unique push fit element ensures a simple, quick and reliable servicing process**
- **Quality Guaranteed All Hydrogen Filters are manufactured in an ISO 9001 certified factory and are PED compliant. Each filter is hydrostatic tested prior to despatch to guarantee quality and performance**



Filter Element
X5 (5 micron)
X1 (1 micron)



Coalescing;
Flows inside to out



50H10000FXXX -
100H20010FXXX

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Replacements and Spare Parts (refer to page 143)

Hydrogen Coalescing Flanged Filter

Filter model	Pipe size inches	MAWP Barg (psig)	Hydrogen inlet flow rate*		Dimensions mm (inches)					Weight	Complete price (£)	Element model	Element price (£)
			Nm³/hr	SCFM	A	B	C	D	E	kg			
Class 150													
50H10000F150 (Grade)	1”	19 (276)	1100	647	225	54	275	220	108	11.1		**ETG00300 (Grade)**	
50H15000F150 (Grade)	1½”	19 (276)	2500	1471	250	63	348	260	153	23.3		**ETG00400 (Grade)**	
50H20000F150 (Grade)	2”	19 (276)	2500	1471	300	76	374	260	175	32.0		**ETG00500 (Grade)**	
50H20010F150 (Grade)	2”	19 (276)	5000	2943	300	76	554	450	175	38.0		**ETG00600 (Grade)**	
Class 300													
50H10000F300 (Grade)	1”	49.6 (719)	2640	1554	225	62	283	220	124	12.0		**ETG00300 (Grade)**	
50H15000F300 (Grade)	1½”	49.6 (719)	5500	3237	250	77	362	260	155	25.3		**ETG00400 (Grade)**	
50H20000F300 (Grade)	2”	49.6 (719)	5500	3237	300	82.5	380	260	175	33.3		**ETG00500 (Grade)**	
50H20010F300 (Grade)	2”	49.6 (719)	10700	6298	300	82.5	560	450	175	39.5		**ETG00600(Grade)**	
Class 400													
100H10000F400 (Grade)	1”	66.2 (960)	3000	1766	225	62	283	220	124	12.0		**ETG00300 (Grade)**	
100H15000F400 (Grade)	1½”	66.2 (960)	8000	4709	250	77	362	260	155	25.3		**ETG00400 (Grade)**	
100H20000F400 (Grade)	2”	66.2 (960)	8000	4709	300	82.5	380	260	175	33.3		**ETG00500 (Grade)**	
100H20010F400 (Grade)	2”	66.2 (960)	15000	8829	300	82.5	560	450	175	39.5		**ETG00600(Grade)**	
Class 600													
100H10000F600 (Grade)	1”	99.3 (1140)	5320	3078	225	62	283	220	124	12.0		**ETG00300 (Grade)**	
100H15000F600 (Grade)	1 ½”	99.3 (1140)	10850	6386	250	77	362	260	155	25.3		**ETG00400 (Grade)**	
100H20000F600 (Grade)	2”	99.3 (1140)	10850	6386	300	82.5	380	260	175	33.3		**ETG00500 (Grade)**	
100H20010F600 (Grade)	2”	99.3 (1140)	21200	12478	300	82.5	560	450	175	39.5		**ETG00600(Grade)**	

Grade	X5		X1	
Particle removal	5 micron		1 micron	
Maximum oil content**	4		3	
Maximum oil carryover at 20°C (68°F)	5 mg/m³		0.3 mg/m³	
Minimum Temperature	-29°C	-20°F	-29°C	-20°F
Maximum Temperature	130°C	266°F	130°C	266°F
Element end cap colour	Stainless Steel 316			

Pressure – Temperature Rating by Class (ANSI/ ASME B16.5 Table 2-2.2 Group 2.2 Material)				
	Class			
Temperature °C	150	300	400	600
-29 to 38	19.0	49.6	66.2	99.3
50	18.4	48.1	64.2	96.2
100	16.2	42.2	56.3	84.4
130	15.4	40.0	53.3	79.9

Filter Pipe Size Inches	RF Flange Class and PN	
	ANSI/ ASME B16.5 (Class)	ISO 7005 (PN)
1	150, 300, 400, 600	20, 50, 110
1 ½	150, 300, 400, 600	20, 50, 110
2	150, 300, 400, 600	20, 50, 110

Pressure correction factors		For maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure									
Class 150	**Operating pressure barg (psig)**	4 (58)	5 (72)	10 (145)	12 (174)	14 (223)	16 (232)	19 (275)			
	Correction factor	0.25	0.30	0.55	0.65	0.75	0.85	1.00			
Class 300	**Operating pressure barg (psig)**	7 (101)	10 (147)	15 (221)	20 (294)	25 (368)	30 (435)	35 (507)	40 (580)	45 (652)	49.6 (719)
	Correction factor	0.16	0.22	0.32	0.42	0.51	0.61	0.71	0.81	0.91	1.00
Class 400	**Operating pressure barg (psig)**	7 (101)	20 (290)	30 (435)	35 (507)	40 (580)	45 (652)	50 (725)	55 (798)	60 (870)	66.2 (957)
	Correction factor	0.12	0.31	0.46	0.54	0.61	0.69	0.76	0.84	0.91	1.00
Class 600	**Operating pressure barg (psig)**	7 (101)	20 (290)	30 (435)	40 (580)	50 (725)	60 (870)	70 (1015)	80 (1160)	90 (1305)	99.3 (1435)
	Correction factor	0.08	0.21	0.31	0.41	0.51	0.61	0.71	0.81	0.91	1.00

Technical Notes

1. All Hydrogen Filters are supplied without a drain port/plug.
2. Hydrogen Filters are manufactured from grade 316 Stainless steel and are PED 2014/68/EU compliant for group 1 gases.
3. Flanged connections are raised face type to ANSI/ ASME B16.5 (ISO 7005 (PN) Equivalents) to Table 2-2.2 Group 2.2 Material.
4. Filter elements should be changed every 12 months/ 8000 hours (whichever comes first).

Hydrogen Coalescing Flanged Filter

Models | 50H02500 to 50H20010, 100H02500 to 100H20010, 350H02500 to 350H20000

Flow Rates:	270 Nm³/hr (159 SCFM) up to 37700 Nm³/hr (22189 SCFM)
Working pressure:	270 Nm³/hr (159 SCFM) up to 37700 Nm³/hr (22189 SCFM)
Operating Temperature:	-29ºC to 130ºC
Connections:	¼ to 2 inches

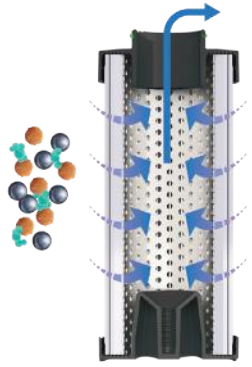
Walker Filtration's 50, 100 and 350 barg Hydrogen Filters provide a comprehensive range of high efficiency filters designed to meet the stringent requirements of Hydrogen applications..

- **Advanced Filtration Technology Optimum design and high efficiency filtration media provides low pressure losses and increased energy savings in line with air quality standard ISO 8573-1: 2010**
- **O-ring Sealing Push-fit element design and specialist hydrogen compatible O-ring seals eliminate risk of contaminant bypass.**
- **Stainless Steel Element End Caps On all element models**
- **Simplified Serviceability Hexagonal spanner locator coupled with the internal unique push fit element ensures a simple, quick and reliable servicing process**
- **Quality Guaranteed All Hydrogen Filters are manufactured in an ISO 9001 certified factory and are PED compliant. Each filter is hydrostatic tested prior to despatch to guarantee quality and performance**

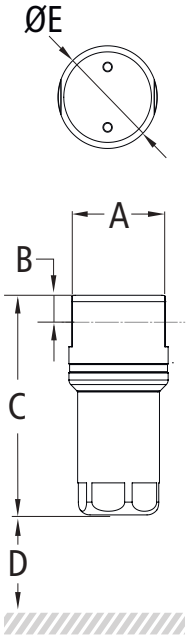




Filter Element
RX25 (25 micron)
RX5 (5 micron)
RX1 (1 micron)



Particulate;
Flows outside to in



XXXH02500 -
XXXH20010

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Replacements and Spare Parts (refer to page 143)

Hydrogen Particulate Filter

Filter model	Pipe size inches	MAWP Barg (psig)	Hydrogen inlet flow rate*		Dimensions mm (inches)					Weight		Complete price (£)	Element model	Element price (£)
			Nm³/hr	SCFM	A	B	C	D	ØE	kg	lbs			
50 barg (725 psig) maximum working pressure														
50H02500 (grade)	¼"	50 (725)	270	159	75	17	167	160	80	3.85	8		**ETG00100 (grade)**	
50H03700 (grade)	⅜"	50 (725)	530	312	75	20	172	160	80	4.00	9		**ETG00100 (grade)**	
50H05000 (grade)	½"	50 (725)	880	518	75	20	172	160	82	4.00	9		**ETG00100 (grade)**	
50H07500 (grade)	¾"	50 (725)	1580	930	98	23	175	160	105	6.70	15		**ETG00200 (grade)**	
50H10000 (grade)	1"	50 (725)	2640	1554	98	28	249	220	108	9.20	20		**ETG00300 (grade)**	
50H15000 (grade)	1½"	50 (725)	5500	3237	139	38	323	260	153	20.00	44		**ETG00400 (grade)**	
50H20000 (grade)	2"	50 (725)	5500	3237	161	45	343	260	175	26.60	59		**ETG00500 (grade)**	
50H20010 (grade)	2"	50 (725)	10700	6298	161	45	523	450	175	32.70	72		**ETG00600 (grade)**	
100 barg (1450 psig) maximum working pressure														
100H02500 (grade)	¼"	100 (1450)	535	315	75	17	167	160	80	4.00	9		**ETG00100 (grade)**	
100H03700 (grade)	⅜"	100 (1450)	1050	618	75	20	172	160	80	4.00	9		**ETG00100 (grade)**	
100H05000 (grade)	½"	100 (1450)	1750	1030	75	20	172	160	82	4.00	9		**ETG00100 (grade)**	
100H07500 (grade)	¾"	100 (1450)	3140	1848	98	23	175	160	105	6.70	15		**ETG00200 (grade)**	
100H10000 (grade)	1"	100 (1450)	5230	3078	98	28	249	220	108	9.20	20		**ETG00300 (grade)**	
100H15000 (grade)	1½"	100 (1450)	10850	6386	139	38	323	260	153	20.00	44		**ETG00400 (grade)**	
100H20000 (grade)	2"	100 (1450)	10850	6386	161	45	343	260	175	26.60	59		**ETG00500 (grade)**	
100H20010 (grade)	2"	100 (1450)	21200	12478	161	45	523	450	175	32.70	72		**ETG00600 (grade)**	
350 barg (5000 psig) maximum working pressure														
350H02500 (grade)	¼"	350 (5075)	1850	1089	80	17	173	160	85	5.20	11		**ETG00100 (grade)**	
350H03700 (grade)	⅜"	350 (5075)	3640	2142	85	20	178	160	90	5.70	13		**ETG00100 (grade)**	
350H05000 (grade)	½"	350 (5075)	6063	3569	83	20	178	160	90	5.70	13		**ETG00100 (grade)**	
350H07500 (grade)	¾"	350 (5075)	10900	6415	108	25	192	160	115	10.10	22		**ETG00200 (grade)**	
350H10000 (grade)	1"	350 (5075)	18150	10683	105	28	260	220	115	12.50	28		**ETG00300 (grade)**	
350H15000 (grade)	1½"	350 (5075)	37700	22189	153	49	350	260	165	35.00	77		**ETG00400 (grade)**	
350H20000 (grade)	2"	350 (5075)	37700	22189	167	50	363	260	184	43.20	95		**ETG00500 (grade)**	

* Rated flow at maximum working pressure, reference conditions at 1 bar (a) 20ºC

Grade	RX25		RX5		RX1	
Particle removal	25 micron		5 micron		1 micron	
Minimum Temperature	-40°C	-40°F	-40°C	-40°F	-40°C	-40°F
Maximum Temperature	130°C	266°F	130°C	266°F	130°C	266°F
Element end cap colour	Stainless Steel					

Technical Notes

1. All Hydrogen Filters are supplied without a drain port/plug.
2. Hydrogen Filters are manufactured from grade 316 Stainless steel and are PED 2014/68/EU compliant for group 1 gases.
3. Threaded connections are Rp (BSP Parallel) to ISO 7-1 or NPT to ANSI/ASME B1.20.1 if supplied within North America.
4. Walker Filtration genuine spare and aftermarket parts must be used, failure to do so will void product warranty. Walker Filtration shall not be held liable for damages suffered by the customer if Walker Filtration genuine hydrogen rated spare and aftermarket parts are not used.
5. For NPT threads, add the suffix N, e.g., 50H02500NRX1.
6. Filter elements should be changed every 12 months / 8000 hours (whichever comes first).

Hydrogen Coalescing Flanged Filter

Models | 50H10000F150 to 50H20010F150, 50H10000F300 to 50H20010F300, 100H10000F400 to 100H20010F400, 100H10000F600 to 100H20010F600

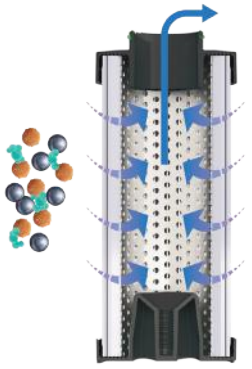
Flow Rates:	1100 Nm³/hr (647 SCFM) up to 21200 Nm³/hr (12478 SCFM)
Working pressure:	4 barg to 99.3 barg
Operating Temperature:	-29ºC to 130ºC
Connections:	1 to 2 inches

Walker Filtration's 50, 100 and 350 barg Hydrogen Filters provide a comprehensive range of high efficiency filters designed to meet the stringent requirements of Hydrogen applications.

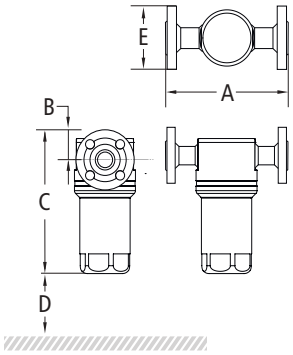
- **Advanced Filtration Technology Optimum design and high efficiency filtration media provides low pressure losses and increased energy savings in line with air quality standard ISO 8573-1: 2010**
- **O-ring Sealing Push-fit element design and specialist hydrogen compatible O-ring seals eliminate risk of contaminant bypass**
- **Stainless Steel Element End Caps On all element models**
- **Simplified Serviceability Hexagonal spanner locator coupled with the internal unique push fit element ensures a simple, quick and reliable servicing process**
- **Quality Guaranteed All Hydrogen Filters are manufactured in an ISO 9001 certified factory and are PED compliant. Each filter is hydrostatic tested prior to despatch to guarantee quality and performance**



Filter Element
RX25 (25 micron)
RX5 (5 micron)
RX1 (1 micron)



Particulate;
Flows outside to in



50H10000FXXX -
100H20010FXXX

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Replacements and Spare Parts (refer to page 143)

Hydrogen Particulate Flanged Filter

Filter model	Pipe size inches	MAWP Barg (psig)	Hydrogen inlet flow rate*		Dimensions mm (inches)					Weight		Complete price (£)	Element model	Element price (£)
			Nm³/hr	SCFM	A	B	C	D	E	kg	lbs			
Class 150														
50H10000F150 (Grade)	1”	19 (276)	1100	647	225	54	275	220	108	11.1	24.5		**ETG00300 (Grade)**	
50H15000F150 (Grade)	1 ½”	19 (276)	2500	1471	250	63	348	260	153	23.3	51.3		**ETG00400 (Grade)**	
50H20000F150 (Grade)	2”	19 (276)	2500	1471	300	76	374	260	175	32.0	70.5		**ETG00500 (Grade)**	
50H20010F150 (Grade)	2”	19 (276)	5000	2943	300	76	554	450	175	38.0	83.7		**ETG00600 (Grade)**	
Class 300														
50H10000F300 (Grade)	1”	49.6 (719)	2640	1554	225	62	283	220	124	12.0	26.5		**ETG00300 (Grade)**	
50H15000F300 (Grade)	1 ½”	49.6 (719)	5500	3237	250	77	362	260	155	25.3	55.8		**ETG00400 (Grade)**	
50H20000F300 (Grade)	2”	49.6 (719)	5500	3237	300	82.5	380	260	175	33.3	73.4		**ETG00500 (Grade)**	
50H20010F300 (Grade)	2”	49.6 (719)	10700	6298	300	82.5	560	450	175	39.5	87.0		**ETG00600(Grade)**	
Class 400														
100H10000F400 (Grade)	1”	66.2 (960)	3000	1766	225	62	283	220	124	12.0	26.5		**ETG00300 (Grade)**	
100H15000F400 (Grade)	1 ½”	66.2 (960)	8000	4709	250	77	362	260	155	25.3	55.8		**ETG00400 (Grade)**	
100H20000F400 (Grade)	2”	66.2 (960)	8000	4709	300	82.5	380	260	175	33.3	73.4		**ETG00500 (Grade)**	
100H20010F400 (Grade)	2”	66.2 (960)	15000	8829	300	82.5	560	450	175	39.5	87.0		**ETG00600(Grade)**	
Class 600														
100H10000F600 (Grade)	1”	99.3 (1140)	5320	3078	225	62	283	220	124	12.0	26.5		**ETG00300 (Grade)**	
100H15000F600 (Grade)	1 ½”	99.3 (1140)	10850	6386	250	77	362	260	155	25.3	55.8		**ETG00400 (Grade)**	
100H20000F600 (Grade)	2”	99.3 (1140)	10850	6386	300	82.5	380	260	175	33.3	73.4		**ETG00500 (Grade)**	
100H20010F600 (Grade)	2”	99.3 (1140)	21200	12478	300	82.5	560	450	175	39.5	87.0		**ETG00600(Grade)**	

	Pressure – Temperature Rating by Class (ANSI/ ASME B16.5 Table 2-2.2 Group 2.2 Material)			
	Class			
Temperature °C	150	300	400	600
-29 to 38	19.0	49.6	66.2	99.3
50	18.4	48.1	64.2	96.2
100	16.2	42.2	56.3	84.4
130	15.4	40.0	53.3	79.9

Filter Pipe Size Inches	RF Flange Class and PN	
	ANSI/ ASME B16.5 (Class)	ISO 7005 (PN)
1	150, 300, 400, 600	20, 50, 110
1 ½	150, 300, 400, 600	20, 50, 110
2	150, 300, 400, 600	20, 50, 110

Grade	RX25		RX5		RX1	
Particle removal	25 micron		5 micron		1 micron	
Minimum Temperature	-29°C	-20°F	-29°C	-20°F	-29°C	-20°F
Maximum Temperature	130°C	266°F	130°C	266°F	130°C	266°F
Element end cap colour	Stainless Steel 316					

Pressure correction factors		For maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure									
Class 150	**Operating pressure barg (psig)**	4 (58)	5 (72)	10 (145)	12 (174)	14 (223)	16 (232)	19 (275)			
	Correction factor	0.25	0.30	0.55	0.65	0.75	0.85	1.00			
Class 300	**Operating pressure barg (psig)**	7 (101)	10 (147)	15 (221)	20 (294)	25 (368)	30 (435)	35 (507)	40 (580)	45 (652)	49.6 (719)
	Correction factor	0.16	0.22	0.32	0.42	0.51	0.61	0.71	0.81	0.91	1.00
Class 400	**Operating pressure barg (psig)**	7 (101)	20 (290)	30 (435)	35 (507)	40 (580)	45 (652)	50 (725)	55 (798)	60 (870)	66.2 (957)
	Correction factor	0.12	0.31	0.46	0.54	0.61	0.69	0.76	0.84	0.91	1.00
Class 600	**Operating pressure barg (psig)**	7 (101)	20 (290)	30 (435)	40 (580)	50 (725)	60 (870)	70 (1015)	80 (1160)	90 (1305)	99.3 (1435)
	Correction factor	0.08	0.21	0.31	0.41	0.51	0.61	0.71	0.81	0.91	1.00

Technical Notes

1. All Hydrogen Filters are supplied without a drain port/plug.
2. Hydrogen Filters are manufactured from grade 316 Stainless steel and are PED 2014/68/EU compliant for group 1 gases.
3. Flanged connections are raised face type to ANSI/ ASME B16.5 (ISO 7005 (PN) Equivalents) to Table 2-2.2 Group 2.2 Material.
4. Filter elements should be changed every 12 months/ 8000 hours (whichever comes first).

Hydrogen 550/1100 bar Filters

Models | 550H03700 to 550H07500, 1100H03700 to 1100H07500

Flow Rates:	3050 Nm³/hr (250 Kg/hr) up to 6100 Nm³/hr (500 Kg/hr)
Working pressure:	550 barg to 1100 barg
Operating Temperature:	-40ºC to 85ºC
Connections:	⅜ to ¾ inches

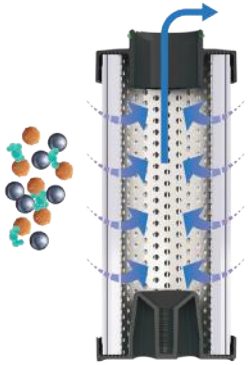
Walker Filtration's 550 and 1100 barg Hydrogen Filters provide a comprehensive range of high efficiency filters designed to meet the stringent requirements of Hydrogen applications. Available in two filtration grades of 1 and 5 microns, our hydrogen gas filters provide low pressure drop and offer optimal contamination protection against particle ingress for pressure system components.

- **Advanced Filtration Technology Optimum design and high efficiency filtration media provides low pressure losses and increased energy savings in line with air quality standard ISO 8573-1: 2010**
- **O-ring Sealing Push-fit element design and specialist hydrogen compatible O-ring seals eliminate risk of contaminant bypass**
- **Stainless Steel Element Construction On all element models**
- **Simplified Serviceability Hexagonal spanner locator coupled with the internal unique push fit element ensures a simple, quick and reliable servicing process**
- **Quality Guaranteed All Hydrogen Filters are manufactured in an ISO 9001 certified factory and are PED compliant. Each filter is hydrostatic tested prior to despatch to guarantee quality and performance**

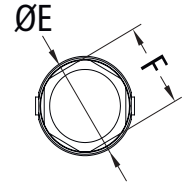


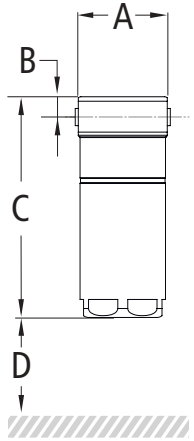


Filter Element
RX5 (5 micron)
RX1 (1 micron)



Particulate;
Flows outside to in





XXXH03700 -
XXXH07500

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Replacements and Spare Parts (refer to page 143)

Hydrogen 550/1100 bar Filters

Filter model	Fitting size inches	MAWP Barg (psig)	Hydrogen inlet flow rate*		Dimensions mm (inches)						Approximate weight		Complete price (£)	Element model	Element price (£)
			Nm³/hr	Kg/hr	A	B	C	D	ØE	F A/F Hex	kg	lbs			
550 barg (7977 psig) maximum working pressure															
550H03700 (grade)	⅜"	550 (7977)	3050	250	102	22	227	160	106	80	9.5	20.9		**ETGM00700 (grade)**	
550H05600 (grade)	9/16"	550 (7977)	6100	500	102	22	227	160	106	80	9.5	20.9		**ETGM00700 (grade)**	
550H07500 (grade)	¾"	550 (7977)	6100	500	102	22	227	160	106	80	9.5	20.9		**ETGM00700 (grade)**	
1100 barg (15954 psig) maximum working pressure															
1100H03700 (grade)	⅜"	1100 (15954)	3050	250	102	22	245	180	106	90	13.0	28.7		**ETGM00700 (grade)**	
1100H05600 (grade)	9/16"	1100 (15954)	6100	500	102	22	245	180	106	90	13.0	28.7		**ETGM00700 (grade)**	
1100H07500 (grade)	¾"	1100 (15954)	6100	500	102	22	245	180	106	90	13.0	28.7		**ETGM00700 (grade)**	

* Rated flow at maximum working pressure, reference conditions at 1 bar (a) 20ºC

Grade	RX5		RX1	
Particle removal	5 micron		1 micron	
Minimum Temperature	-40°C	-40°F	-40°C	-40°F
Maximum Temperature	85°C	185°F	85°C	185°F
Element end cap colour	Stainless Steel			

Pressure correction factors — For maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure

550 Bar Range	**Operating pressure barg (psig)**				350 (5076)	375 (5439)	400 (5802)	425 (6164)	450 (6527)	475 (6889)	500 (7252)	525 (7614)	550 (7977)
	Correction factor				0.64	0.68	0.73	0.77	0.82	0.86	0.91	0.95	1.0
1100 Bar Range	**Operating pressure barg (psig)**	550 (7977)	600 (8702)	650 (9427)	700 (10153)	750 (10878)	800 (11603)	850 (12328)	900 (13053)	950 (13779)	1000 (14504)	1050 (15229)	1100 (15954)
	Correction factor	0.50	0.55	0.59	0.64	0.68	0.73	0.77	0.82	0.86	0.91	0.95	1.00

Technical Notes

1. All Hydrogen Filters are supplied without a drain port/plug.
2. Hydrogen Filters are manufactured from Stainless Steel Nitronic 50 and are PED 2014/68/EU compliant for group 1 gases.
3. Inlet & outlet ports utilise standard Medium Pressure Cone & Threaded connections.
4. Walker Filtration genuine spare and aftermarket parts must be used, failure to do so will void product warranty. Walker Filtration shall not be held liable for damages suffered by the customer if Walker Filtration genuine hydrogen rated spare and aftermarket parts are not used
5. Filter elements should be changed every 12 months / 8000 hours (whichever comes first).

Hydrogen Micrasteel Filters

Models | 18MH01200 to 18MH05001, 50MH01200 to 50MH05000, 100MH01200 to 100MH05000 and 200MH01200 to 200MH05000

Flow Rates:	30 Nm³/hr (18 SCFM) up to 1000 Nm³/hr (589 SCFM)
Working pressure:	550 barg to 1100 barg
Operating Temperature:	-40ºC to 85ºC
Connections:	⅛ to ½ inches

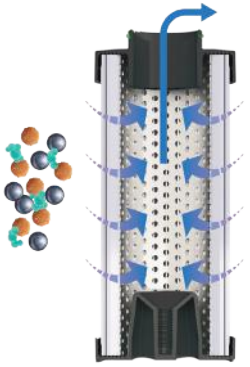
Available in filtration grades of 1 and 5 microns, our hydrogen gas filters provide low pressure drop and offer optimal contamination protection against particle ingress for pressure system components. Suitable for use with dry hydrogen, these filters are available in a range of flows and pressures to protect the various stages of the developing hydrogen economy. Whatever your requirement, Walker Filtration can support your unique and custom hydrogen filtration solutions.

- **Advanced Filtration Technology** Optimum design and high efficiency filtration media provides low pressure losses and increased energy savings in line with air quality standard ISO 8573-1: 2010.
- **O-ring Sealing** Push-fit element design and specialist hydrogen compatible O-ring seals eliminate risk of contaminant bypass.
- **Stainless Steel Element Construction** On all element models.
- **Simplified Serviceability** Hexagonal spanner locator coupled with the internal unique push fit element ensures a simple, quick and reliable servicing process.
- **Quality Guaranteed** All Hydrogen Filters are manufactured in an ISO 9001 certified factory and are PED compliant. Each filter is hydrostatic tested prior to despatch to guarantee quality and performance.

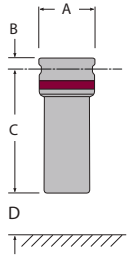




Filter Element
RX5 (5 micron)
RX1 (1 micron)



Particulate;
Flows outside to in



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Replacements and Spare Parts (refer to page 143)

Hydrogen Micrasteel Filters

Filter model	Fitting size inches	MAWP Barg (psig)	Hydrogen inlet flow rate*		Dimensions mm (inches)						Complete price (£)	Element model	Element price (£)
			Nm³/hr	SCFM	A Face to Face	B	C	D	ØE	F A/F Hex			
18 barg (261 psig) maximum working pressure													
18MH01200	⅛"	18 (261)	30	18	41 (1.6)	10 (0.4)	78 (3.1)	35 (1.4)	31.5 (1.2)	30 (1.2)		**ETGMS00100**	
18MH01201	⅛"	18 (261)	55	32	41 (1.6)	10 (0.4)	103 (4.1)	60 (2.4)	31.5 (1.2)	30 (1.2)		**ETGMS00200**	
18MH02500	¼"	18 (261)	30	18	41 (1.6)	10 (0.4)	78 (3.1)	35 (1.4)	31.5 (1.2)	30 (1.2)		**ETGMS00100**	
18MH02501	¼"	18 (261)	55	32	41 (1.6)	10 (0.4)	103 (4.1)	60 (2.4)	31.5 (1.2)	30 (1.2)		**ETGMS00200**	
18MH02502	¼"	18 (261)	95	56	65 (2.6)	20 (0.8)	135 (5.3)	70 (2.8)	51 (2.0)	47 (1.9)		**ETGMS00300**	
18MH02503	¼"	18 (261)	130	75	65 (2.6)	20 (0.8)	250 (9.8)	180 (7.1)	51 (2.0)	47 (1.9)		**ETGMS00400**	
18MH05000	½"	18 (261)	95	56	65 (2.6)	20 (0.8)	135 (5.3)	70 (2.8)	51 (2.0)	47 (1.9)		**ETGMS00300**	
18MH05001	½"	18 (261)	300	176	65 (2.6)	20 (0.8)	250 (9.8)	180 (7.1)	51 (2.0)	47 (1.9)		**ETGMS00400**	
50 barg (725 psig) maximum working pressure													
50MH01200	⅛"	50 (725)	50	29	41 (1.6)	10 (0.4)	78 (3.1)	35 (1.4)	31.5 (1.2)	30 (1.2)		**ETGMS00100**	
50MH01201	⅛"	50 (725)	100	59	41 (1.6)	10 (0.4)	103 (4.1)	60 (2.4)	31.5 (1.2)	30 (1.2)		**ETGMS00200**	
50MH02500	¼"	50 (725)	75	44	41 (1.6)	10 (0.4)	78 (3.1)	35 (1.4)	31.5 (1.2)	30 (1.2)		**ETGMS00100**	
50MH02501	¼"	50 (725)	150	88	41 (1.6)	10 (0.4)	103 (4.1)	60 (2.4)	31.5 (1.2)	30 (1.2)		**ETGMS00200**	
50MH02502	¼"	50 (725)	250	147	65 (2.6)	20 (0.8)	135 (5.3)	70 (2.8)	51 (2.0)	47 (1.9)		**ETGMS00300**	
50MH05000	½"	50 (725)	400	235	65 (2.6)	20 (0.8)	135 (5.3)	70 (2.8)	51 (2.0)	47 (1.9)		**ETGMS00300**	
100 barg (1450 psig) maximum working pressure													
100MH01200	⅛"	100 (1450)	150	88	41 (1.6)	10 (0.4)	78 (3.1)	35 (1.4)	31.5 (1.2)	30 (1.2)		**ETGMS00100**	
100MH01201	⅛"	100 (1450)	250	147	41 (1.6)	10 (0.4)	103 (4.1)	60 (2.4)	31.5 (1.2)	30 (1.2)		**ETGMS00200**	
100MH02500	¼"	100 (1450)	150	88	41 (1.6)	10 (0.4)	78 (3.1)	35 (1.4)	31.5 (1.2)	30 (1.2)		**ETGMS00100**	
100MH02501	¼"	100 (1450)	290	171	41 (1.6)	10 (0.4)	103 (4.1)	60 (2.4)	31.5 (1.2)	30 (1.2)		**ETGMS00200**	
100MH02502	¼"	100 (1450)	500	294	65 (2.6)	20 (0.8)	135 (5.3)	70 (2.8)	51 (2.0)	47 (1.9)		**ETGMS00300**	
100MH05000	½"	100 (1450)	500	294	65 (2.6)	20 (0.8)	135 (5.3)	70 (2.8)	51 (2.0)	47 (1.9)		**ETGMS00300**	
200 barg (2900 psig) maximum working pressure													
200MH01200	⅛"	200 (2900)	300	177	41 (1.6)	10 (0.4)	78 (3.1)	35 (1.4)	31.5 (1.2)	30 (1.2)		**ETGMS00100**	
200MH01201	⅛"	200 (2900)	530	312	41 (1.6)	10 (0.4)	103 (4.1)	60 (2.4)	31.5 (1.2)	30 (1.2)		**ETGMS00200**	
200MH02500	¼"	200 (2900)	300	177	41 (1.6)	10 (0.4)	78 (3.1)	35 (1.4)	31.5 (1.2)	30 (1.2)		**ETGMS00100**	
200MH02501	¼"	200 (2900)	600	353	41 (1.6)	10 (0.4)	103 (4.1)	60 (2.4)	31.5 (1.2)	30 (1.2)		**ETGMS00200**	
200MH02502	¼"	200 (2900)	1000	589	65 (2.6)	20 (0.8)	135 (5.3)	70 (2.8)	51 (2.0)	47 (1.9)		**ETGMS00300**	
200MH05000	½"	200 (2900)	1000	589	65 (2.6)	20 (0.8)	135 (5.3)	70 (2.8)	51 (2.0)	47 (1.9)		**ETGMS00300**	

* Rated flow at maximum working pressure, reference conditions at 1 bar (a) 20ºC

Pressure correction factors operating pressure — For maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum

18 Bar Range	**Operating pressure barg (psig)**			4 (58)	6 (87)	8 (116)	10 (145)	12 (174)	14 (203)	16 (232)	18 (261)
	Correction factor			0.26	0.37	0.47	0.58	0.68	0.79	0.89	1.0
50 Bar Range	**Operating pressure barg (psig)**		4 (58)	6 (87)	8 (116)	10 (145)	15 (218)	20 (290)	30 (435)	40 (580)	50 (725)
	Correction factor		0.10	0.14	0.18	0.22	0.31	0.41	0.61	0.80	1.00
100 Bar Range	**Operating pressure barg (psig)**		20 (290)	30 (435)	40 (580)	50 (725)	60 (870)	70 (1015)	80 (1160)	90 (1305)	100 (1450)
	Correction factor		0.21	0.31	0.41	0.51	0.60	0.70	0.80	0.90	1.00
200 Bar Range	**Operating pressure barg (psig)**	50 (725)	60 (870)	70 (1015)	80 (1160)	90 (1305)	100 (1450)	120 (13053)	140 (13779)	160 (14504)	180 (15229)	200 (15954)
	Correction factor	0.25	0.30	0.35	0.40	0.45	0.50	0.60	0.70	0.80	0.90	1.00

Grade	**RX5**		**RX1**	
Particle removal	5 micron		1 micron	
Minimum Temperature	-40°C	-40°F	-40°C	-40°F
Maximum Temperature	85°C	185°F	85°C	185°F
Element end cap colour	Stainless Steel			

Technical Notes

1. All Hydrogen Filters are supplied without a drain port/plug.
2. Hydrogen Filters are manufactured from Stainless Steel Nitronic 50 and are PED 2014/68/EU compliant for group 1 gases..
3. Inlet & outlet ports utilise standard Medium Pressure Cone & Threaded connections.
4. Walker Filtration genuine spare and aftermarket parts must be used, failure to do so will void product warranty. Walker Filtration shall not be held liable for damages suffered by the customer if Walker Filtration genuine hydrogen rated spare and aftermarket parts are not used
5. Filter elements should be changed every 12 months / 8000 hours (whichever comes first).



Heatless Desiccant Dryers

Walker Filtration's range of desiccant dryers delivers optimum performance and provides a compressed air drying solution you can count on. We have developed a superior range of dryers to suit the needs of almost any application. The series of heatless desiccant compressed air dyers boasts an innovative design which allows for ease of service and versatile installation.

Our range of desiccant dryers, with 17 models, provides flow rates from 4 to 360 scfm (7 to 612 Nm³/hr). This modular series offers a robust and reliable compressed air drying solution.

Designed to suit various applications, the range consists of our proven existing low flow models and our new and improved larger flow models. Utilising the latest in drying technology, this technically advanced range of highly efficient desiccant dryers delivers a compact solution to moisture removal from compressed air.

Whatever your requirement, our range of desiccant dryers offer exceptional performance can deliver - the features and benefits ensure almost every application need is met.

High Quality Applications


Vacuum Packaging




Industrial Cleaning


Plastics


Foundries


Medical


Dental


Power Generation


Oil & Gas


Military


Pneumatic Conveying


Transit


Paper & Printing


Laser Cutting


General Industry

Critical Applications


Electronics


Food Production


Pharmaceutical


Beverages & Breweries


Instrumentation


Critical Component Manufacturing

Dewpoint temperature	Application
-74°C (-100°F)	Highly critical applications (e.g.) semiconductor industry / electronic industry
-40°C (-40°F)	Effective point of use (e.g.) general industry (standard pressure dewpoint)
-20°C (-4°F)	Specialist use including some breathing air applications

Accessories

To accompany our standard range, we supply a comprehensive range of spares and accessories, starting on page 152



PRO FD Low Flow Dryer System

Models | PFD010 to PFD045

Flow Rates:	4 SCFM (7 Nm³/hr) to 44 SCFM (75 Nm³/hr)
Working pressure:	4 barg - 16 barg
Operating Temperature:	+1.5ºC to +50ºC
Connections:	⅜ to ¾ inches

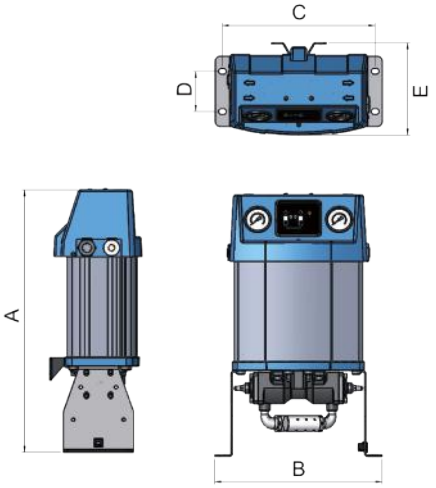
The PRO FD dryer system is a compact, easy to install, drying solution. Drawing on over 40 years of experience in drying technology expertise, our team of engineers designed this system to reduce service time, require minimal installation effort and provide drastically improved energy efficiency.

- **Flexible Installation Multiported manifolds allow for flexible installation options and compact design is ideal for small spaces**
- **Dual Purpose Brackets Dryer can be installed free standing or wall mounted with one set of multi-function brackets**
- **Simplified Service Easily removable desiccant cartridges for quick and efficient change out**
- **Adjustable Purge Unique purge valve built into cartridge design enables customer to adjust to requirements**
- **Visual Diagnostics Tower pressure gauges supplied as standard for clearly visible diagnostics and accurate pressure readings**
- **Validated Performance All Dryers are 100% function tested prior to dispatch and perform inaccordance to ISO 8573-1 classes 1, 2, or 3 for water vapour**





Desiccant Cartridge



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Replacements and Spare Parts (refer to page 143)

PRO FD Low Flow Dryer System Models | PFD010 to PFD045

Dryer model	Pipe size inches	Inlet flow rate*		Dimensions mm					Weight Kg	Complete price (£)	No. of car-tridges
		m³/hr	CFM	A	B	C	D	E			
PFD010G16B40X	⅜	7	4	610	332	303	80	183	20		2
PFD015G16B40X	⅜	10	6	660	332	303	80	183	22		2
PFD020G16B40X	⅜	14	8	710	332	303	80	183	24		2
PFD025G16B40X	⅜	17	10	725	332	303	80	183	26		2
PFD030G16B40X	⅜	25	15	779	332	303	80	183	28		2
PFD035G16B40X	¾	42	25	1015	332	303	130	183	36		2
PFD040G16B40X	¾	59	35	1247	332	303	130	183	46		2
PFD045G16B40X	¾	75	44	1454	332	303	130	183	52		2
* Stated flows are for an inlet pressure of 7 barg (100 psig) with reference to 35°C, 1 barg (abs.), 0% relative water vapour pressure. For flow at other pressures apply the appropriate correction factors, terms and dewpoint.											
PFD010G16B70X	⅜	7	4	610	332	303	80	183	20		2
PFD015G16B70X	⅜	10	6	660	332	303	80	183	22		2
PFD020G16B70X	⅜	14	8	710	332	303	80	183	24		2
PFD025G16B70X	⅜	17	10	725	332	303	80	183	26		2
PFD030G16B70X	⅜	25	15	779	332	303	80	183	28		2
PFD035G16B70X	¾	42	25	1015	332	303	130	183	36		2
PFD040G16B70X	¾	59	35	1247	332	303	130	183	46		2
PFD045G16B70X	¾	75	44	1454	332	303	130	183	52		2

Dryer / Recommended filters	
Dryer Model	Pre FIlter
PFD010	A30032
PFD015	A30032
PFD020	A30032
PFD025	A30032
PFD030	A30032
PFD035	A30085
PFD040	A30085
PFD045	A30085

Specification			
Operating Pressure	Min 4 barg (58 psig) - Max 16 barg (232 psig)		
Ambient Temp	+1.5 °C (34 °F) to +50 °C (122 °F) Standard		
Inlet Air Temp	+1.5 °C (34 °F) to +50 °C (122 °F) Standard		
Noise Level	<90 db(C) Depress	<75 db(A) Purge*	
Electrical Connection	115V & 230V options		
Dewpoint	Standard -40°C / -40°F	Option -70°C / -94°F	Option -20°C / -4°F

* PFD044G16B40X

Temperature (TCF)							
Celsius (°C)	20	25	30	35	40	45	50
Fahrenheit (°F)	68	77	86	95	104	113	122
Correction factor	1.07	1.06	1.04	1	0.88	0.67	0.55

Pressure dewpoint (DCF)			
Celsius (°C)	-20	-40	-70
Fahrenheit (°F)	-4	-40	-94
Correction factor	1.23	1	0.77

Operating pressure (PCF)	For maximum flow rate, multiply model flow rate by the correction factor corresponding to the working dryer												
Operating Pressure (barg)	4	5	6	7	8	9	10	11	12	13	14	15	16
Operating Pressure (psig)	58	72	87	100	116	130	145	160	174	189	203	218	232
Correction Factor	0.62	0.75	0.87	1.00	1.12	1.25	1.37	1.50	1.62	1.75	1.87	2.00	2.12

Technical Notes

1 All dryer applications and sizing should be confirmed by Walker Filtration. Please contact nearest sales team for information on recommended sizing and air quality for your application need

2. Floor fixing dimensions are given in the illustrations.

PROFD Product part number configurator

PROFD Product part number configurator

PFD	010	G	16	B	40	X

Application	
PFD	Industrial Absorption Dryer

Model	Inlet flow rate*	
	Nm³/hr	SCFM
010	7	4
015	10	6
020	14	8
025	17	10
030	25	15
035	42	25
040	59	35
045	75	44

Port Thread	
G	BSPP
N	NPT

Max. Pressure	
16	16 barg

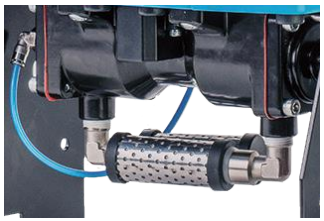
Controller	
X	None
B	Base (230VAC)
C	Base (110VAC)

Dewpoint	
40	-40°C / -40°F
70	-70°C / -100°F

Dewpoint Control	
X	None









PRO FD Low Flow Dryer Accessories

Dryer model	description	kit number		Price (£)
PFD010-030	Silencer & Filter Element Kit	PFDSK01	**6,000 hrs or 1 yr silencer & filter element service kit**	
PFD035-045	Silencer & Filter Element Kit	PFDSK02		
PFD010	Desiccant (Standard) & Silencer Kit	PFD010-12000-S	**12,000 hrs or 2 yr service kit** includes: desiccant cartridges (Standard), pack of sealing O-rings, silencer, instruction manual, controller re-set disc.	
PFD015		PFD015-12000-S		
PFD020		PFD020-12000-S		
PFD025		PFD025-12000-S		
PFD030		PFD030-12000-S		
PFD035		PFD035-12000-S		
PFD040		PFD040-12000-S		
PFD045		PFD045-12000-S		
PFD010	Desiccant (High Performance) & Silencer Kit	PFD010-12000-H	**12,000 hrs or 2 yr service kit** includes: desiccant cartridges (High Performance), pack of sealing O-rings, silencer, instruction manual, controller re-set disc.	
PFD015		PFD015-12000-H		
PFD020		PFD020-12000-H		
PFD025		PFD025-12000-H		
PFD030		PFD030-12000-H		
PFD035		PFD035-12000-H		
PFD040		PFD040-12000-H		
PFD045		PFD045-12000-H		
PFD010	Valve (230V), Desiccant (Standard) & Silencer Kit	PFD010-24000-230-S	**24,000 hour valve service kit** includes: shuttle seats, shuttles, O-rings, diaphragms and springs, solenoid valves, controller re-set disc, spare pressure plugs Includes Valve Service Kit + PFD***-12000-S/H Kits	
PFD015		PFD015-24000-230-S		
PFD020		PFD020-24000-230-S		
PFD025		PFD025-24000-230-S		
PFD030		PFD030-24000-230-S		
PFD035		PFD035-24000-230-S		
PFD040		PFD040-24000-230-S		
PFD045		PFD045-24000-230-S		
PFD010	Valve (230V), Desiccant (High Performance) & Silencer Kit	PFD010-24000-230-H		
PFD015		PFD015-24000-230-H		
PFD020		PFD020-24000-230-H		
PFD025		PFD025-24000-230-H		
PFD030		PFD030-24000-230-H		
PFD035		PFD035-24000-230-H		
PFD040		PFD040-24000-230-H		
PFD045		PFD045-24000-230-H		
PFD010	Valve (115V), Desiccant (Standard) & Silencer Kit	PFD010-24000-115-S		
PFD015		PFD015-24000-115-S		
PFD020		PFD020-24000-115-S		
PFD025		PFD025-24000-115-S		
PFD030		PFD030-24000-115-S		
PFD035		PFD035-24000-115-S		
PFD040		PFD040-24000-115-S		
PFD045		PFD045-24000-115-S		
PFD010	Valve (115V), Desiccant (High Performance) & Silencer Kit	PFD010-24000-115-H		
PFD015		PFD015-24000-115-H		
PFD020		PFD020-24000-115-H		
PFD025		PFD025-24000-115-H		
PFD030		PFD030-24000-115-H		
PFD035		PFD035-24000-115-H		
PFD040		PFD040-24000-115-H		
PFD045		PFD045-24000-115-H		

Dryer model	description	kit number		Price (£)
PFD010-030	Foot Mounting Bracket	WKN361473	Foot Mounting Bracket	
PFD035-045		WKN361493		
PFD010-045	Shuttle Kit	PFDSHK01	**Shuttle kit** includes: shuttle seats, shuttles, exhaust block shuttles, O-rings and seals	
PFD010-045	Diaphragm Kit	PFDDK01	**Diaphragm kit** includes: valve diaphragms and diaphragm springs	
PFD010-045	Controller Assembly Kit (with Valves) - 230V	PFDCK01	**Controller assembly kit** includes: electronic controller complete with solenoid valves	
	Controller Assembly Kit (with Valves) - 110V	PFDCK02		
All models	Purge Plug Kit	PPK010-PPK045	**Purge plug kit** includes: purge plugs and assembled O-rings	
All models	DIN Plug Kit	PFDDIN01	**3 pin DIN plug kit** includes: Power, DIN plug, gasket and screw	
		PFDDIN02	**4 pin DIN plug kit** includes: EM & Alarm	

PRODRY Heatless Desiccant Compressed Air Dryer

Models | PD0046 to PD0360

Flow Rates:	45 scfm (77 Nm³/hr) to 360 scfm (612 Nm³/hr)
Working pressure:	3 barg to 13 barg
Operating Temperature:	1.5ºC to 50ºC
Connections:	1 to 1½ inches

The PRODRY range of Desiccant Dryers is designed to eliminate moisture problems in compressed air systems. When used in accordance with Walker Filtration coalescing filters, the PRODRY reduces moisture levels to -40°C (-40°F) and -74°C (-100°F) pressure dewpoint.

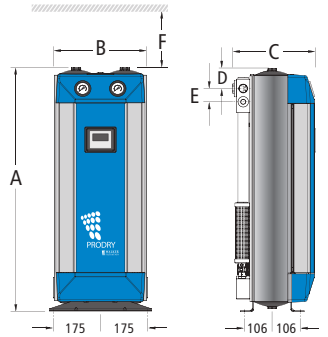
- **Dewpoint management sensor (hygrometer) increases operating efficiency up to 81% (fitted with DMC controller)**
- **Top loading cartridge design and lifting handle for fast and efficient servicing**
- **Advanced desiccant blend delivers optimised dewpoint and improved performance**
- **Intelligent LED controller with built-in energy management (supplied as standard)**
- **Externally fitted silencers for dramatically reduced service time**
- **Multi-ported manifold for flexible installation**



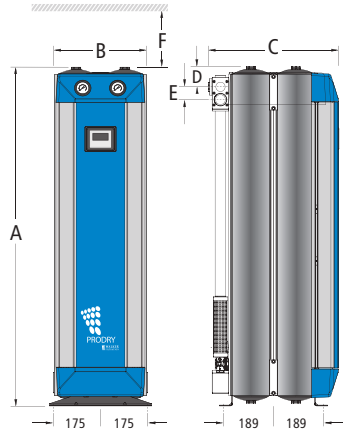


Recommended Filter Model

A30050
A30070
A30085
A30105
A30175
A30280
A30400



Models PD0046-PD0180



Models PD0220-PD0360

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Replacements and Spare Parts (refer to page 143)

PRODRY Heatless Desiccant Compressed Air Dryers

Dryer model	Pipe size inches	Inlet flow rate*		Dimensions mm						Weight Kg	No. of cartridges	Recommended Filter model	Standard Unit price**(£)	Packaging price (£)
		Nm³/h	SCFM	A	B	C	D	E	F					
PD0046	1	77	45	655	380	310	76	50	600	46.0	2	**A30050**		
PD0056	1	94	55	735	380	310	76	50	700	51.0	2	**A30070**		
PD0075	1	128	75	905	380	310	76	50	850	62.0	2	**A30085**		
PD0090	1	153	90	1030	380	310	76	50	1000	70.0	2	**A30105**		
PD0110	1	187	110	1260	380	310	76	50	700	85.0	4	**A30105**		
PD0150	1	255	150	1595	380	310	76	50	850	105.0	4	**A30175**		
PD0180	1	306	180	1845	380	310	76	50	1000	122.0	4	**A30175**		
PD0220	1½	374	220	1260	380	490	76	62	700	154.0	8	**A30280**		
PD0300	1½	510	300	1596	380	490	76	62	850	195.0	8	**A30400**		
PD0360	1½	612	360	1845	380	490	76	62	1000	225.0	8	**A30400**		

* Stated flows are for an inlet pressure of 7 barg (100 psig) with reference to 20°C, 1 barg (abs.), 0% relative water vapour pressure. For flow at other pressures apply the appropriate correction factors, terms and dewpoint.
** Standard unit price includes industrial desiccant cartridges and LED controller. For -74ºC (100ºF) desiccant cartridges, digital display controller without ceramic dewpoint sensor, and for full Dewpoint Management Control (DMC), add corresponding 'optional extra' price to the 'standard price'.

Dryer model	Optional Extras**		
	-74°C (100°F) High Performance Desiccant (£)	Digital display controller without ceramic dewpoint sensor (£)	Dewpoint Management Control (DMC) (£)
PD0046			
PD0056			
PD0075			
PD0090			
PD0110			
PD0150			
PD0180			
PD0220			
PD0300			
PD0360			

Specification		
Standard pressure dewpoint	-40°C*	-40°F*
Optional pressure dewpoint	-20°C**	-4°F**
	-74°C***	-100°F***
Electronic control (LED)	115 or 230 VAC at 50-60 Hz	
Dewpoint control (DMC)	24VDC	
Minimum inlet temperature	1.5°C	35°F
Maximum inlet temperature	50°C	122°F
Minimum working pressure	4 barg	58 psig
Maximum working pressure	13 barg	188.5 psig

* ISO Class 2 (ISO 8573-1:2010)
** ISO Class 3 (ISO 8573-1:2010)
*** ISO Class 1 (ISO 8573-1:2010)

Technical Notes

1a Walker Filtration Water Separator supplied as standard with PRODRY Models PD0046 – PD0360. If bulk water enters the absorbtion dryer, it can cause heat expansion to the dessicant, a substantial rise in the dryer differential pressure, poor outlet dewpoint and potential dryer failure.
1b. The dryer warranty will be deemed invalid if a high efficiency Walker Filtration Water Separator with an efficient condensate drain is not used.
1c Warranty may be invalid if recommended Walker Filtration filters are not used for the protection of the dryer.
2 We recommend that an XA (0.01 micron) Coalescing pre-filter is installed upstream of the dryer and an RXA (0.01 micron) Particulate (dust) filter is installed downstream of the dryer.
3 High Performance Desiccant Cartridges are required for applications where -70°C and -74°C dewpoints are required. Cartridges contain 100% high performance molecular sieve specifically designed for critical applications. Contact Walker Filtration for more information.

PRODRY Heatless Desiccant Compressed Air Dryers PD0046 - PD0360

Models | PD0046 to PD0360

Flow Rates:	45 scfm (77 Nm³/hr) to 360 scfm (612 Nm³/hr)
Working pressure:	3 barg to 13 barg
Operating Temperature:	1.5ºC to 50ºC
Connections:	1 to 1½ inches

The PRODRY range of Desiccant Dryers is designed to eliminate moisture problems in compressed air systems. When used in accordance with Walker Filtration coalescing filters, the PRODRY reduces moisture levels to -40°C (-40°F), -70°C (-94°F) and -74°C (-100°F) pressure dewpoint.

PRODRY Comressed Air Dryer Configurator

Build your PRODRY model

P D 0 0 4 6 G - 1 3 - 3 A C - A

DMC 24V

LED 115V

LED 230V

Dryer Model
0046
0056
0075
0090
0110
0150
0180
0220
0300
0360

Port Thread	
G	BSP (P)
N	NPT
R	BSP (T)

Maximum pressure	
13	13 barg (Fixed)

Controller	
1	LED-01 (115 Vac)
2	LED-02 (230 Vac)
3	DMC-01 (24 Vdc)

DMC Dewpoint Control	
A	Yes (Only with DMC Controller)
X	No

Display Units ***	
C°	C
F	°F
X	Not Applicable

Cartridge type	
A	Standard Industrial Cartridge
B	Breathing Air Cartridge
C	High Performance and Critical Application Cartridge

Correction Factors

Operating pressure (PCF)										
barg	4	5	6	7	8	9	10	11	12	13
psig	58	72	87	100	115	130	145	160	174	189
Correction factor	0.62	0.75	0.87	1.00	1.12	1.25	1.37	1.5	1.62	1.75

Pressure dewpoint (DCF)			
Celsius (°C)	-20	-30	-40
Fahrenheit (°F)	-4	-22	-40
Correction factor	1.23	1.20	1.00

Pressure dewpoint (DCF)(3.)		
Celsius (°C)	-70	-74
Fahrenheit (°F)	-94	-100
Correction factor	0.80	0.77

*For capacity at other operating conditions, multiply dryer rated flow by correction factors above.

Temperature (TCF)							
Celsius (°C)	20	25	30	35	40	45	50
Fahrenheit (°F)	68	77	86	95	104	113	122
Correction factor	1.30	1.20	1.10	1.00	0.75	0.65	0.45

Technical Notes

1 Full Dewpoint Management Control includes digital dewpoint display and ceramic dewpoint sensor (hygrometer), providing dryer control based on outlet dewpoint. To upgrade to this option choose 'dewpoint management control' optional extra. If a digital display controller with no dewpoint management feature is required, please select the 'digital display controller without ceramic dewpoint sensor' optional extra. Please note, a ceramic dewpoint sensor will not be supplied with this option but can be purchased at a later date if required..

2. Purge rates are factory pre-set at 7 barg operating pressure but can be adjusted by customer to suit pressure requirements.

3 Export packaging will be charged extra.

4 All dryer applications and sizing should be confirmed by Walker Filtration. Please contact nearest sales team for information on recommended sizing and air quality for your application need

5 Breathing air and medical dryers are available, contact your nearest sales team for further information.

6 The breathing air cartridge option (under cartridge type in the configurator) will provide steady oxygen levels downstream of the dryer. However, this option on it's own will not meet the requirements of the EN12021 (Breathing Compressed Air) Standard. To meet requirements of EN12021, additional oil coalescing, CO removal catalyst and oil vapour removal filtration is required

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PRODRY Heatless Desiccant Compressed Air Dryers Service Kits

To accompany our range of Desiccant Dryers, Walker Filtration supplies a comprehensive range of spare parts and service kits to keep dryers running at their optimum performance.

Dryer model	Part number of kit	Description	Price (£)
6,000 hours (1 year)			
PD004	PD1SK01	Silencer kit	
PD006 - PD035	PD1SK02		
PD0046 - PD0090	PD3SK01		
PD0110 - PD0180	PD3SK02		
PD0220 - PD0360	PD3SK03		
12,000 hours (2 years) Desiccant Cartridge			
PD004	PDC004-12000	2 plastic desiccant cartridges, pack of sealing O-rings and sealing washers, instruction manual, controller re-set disc.	
PD006	PDC006-12000		
PD008	PDC008-12000		
PD010	PDC010-12000		
PD015	PDC015-12000		
PD025	PDC025-12000		
PD035	PDC035-12000		
12,000 hours (2 years) at which includes Silencer			
PD0046	PDSK0046-12000	12,000 hour desiccant cartridge and silencer kit (kit includes desiccant cartridges and associated seals, and silencer service kit) supplied with cartridge removal tool.	
PD0056	PDSK0056-12000		
PD0075	PDSK0075-12000		
PD0090	PDSK0090-12000		
PD0110	PDSK0110-12000		
PD0150	PDSK0150-12000		
PD0180	PDSK0180-12000		
PD0220	PDSK0220-12000		
PD0300	PDSK0300-12000		
PD0360	PDSK0360-12000		

Dryer model	Part number of kit	Description	Price (£)
12,000 hours or 2 years,			
High Performance Desiccant Cartridge & Silencer Service Kit - for use where -74°C (-100°F) dewpoint is required			
PD0046	PDSK0046-12000-H	12,000 hour desiccant cartridge and silencer kit (kit includes desiccant cartridges and associated seals, and silencer service kit) supplied with cartridge removal tool.	
PD0056	PDSK0056-12000-H		
PD0075	PDSK0075-12000-H		
PD0090	PDSK0090-12000-H		
PD0110	PDSK0110-12000-H		
PD0150	PDSK0150-12000-H		
PD0180	PDSK0180-12000-H		
PD0220	PDSK0220-12000-H		
PD0300	PDSK0300-12000-H		
PD0360	PDSK0360-12000-H		
18,000 hours (3 years)			
PD0046 - PD0090	PD3SK01	Silencer Service Kit	
PD0110 - PD0180	PD3SK02		
PD0220 - PD0360	PD3SK03		
24,000 hrs (4 years)			
PD004 – PD035	VSKS01	Solenoid valves, shuttles, shuttle seats, O-rings, diaphragms (including diaphragm springs and brass discs)	



silencer shown: PD1SK01



silencer shown: PD3SK02



cartridges shown: PDC025-12000



cartridges shown: PDSK0046-12000



Kit shown: VSKS01

Technical Notes

1 12,000 hour (2 years) Desiccant Cartridge & Silencer Kits for PRODRY models PD0056 to PD0360 relate to standard service only (-20°C / -4°F and -40°C / -40°F PDP) and High Performance Service -74°C (-100°F). For information on Breathing Air, please contact Walker Filtration.

PRODRY Heatless Desiccant Compressed Air Dryers Service Kits

To accompany our range of Desiccant Dryers, Walker Filtration supplies a comprehensive range of spare parts and service kits to keep dryers running at their optimum performance.

24,000 hrs (4 years), Desiccant Cartridge, Silencer, Valve & Purge Valve Service Kit			
To fit dryer model	**24,000 hours Cartridge, Silencer, Valve and Purge Valve Service Kit**	**Description**	**Price (£)**
PD0046	PDSK0046-24000-S24	24,000 hour Desiccant Cartridge, Silencer, Valve & Purge Valve Service Kit (Kit includes desiccant cartridges and associated seals, silencer service kit, valve body stem and all associated seals) supplied with cartridge removal tool	
PD0056	PDSK0056-24000-S24		
PD0075	PDSK0075-24000-S24		
PD0090	PDSK0090-24000-S24		
PD0110	PDSK0110-24000-S24		
PD0150	PDSK0150-24000-S24		
PD0180	PDSK0180-24000-S24		
PD0220	PDSK0220-24000-D24		
PD0300	PDSK0300-24000-D24		
PD0360	PDSK0360-24000-D24		
PD0046	PDSK0046-24000-S115	24,000 hour Desiccant Cartridge, Silencer, Valve & Purge Valve Service Kit (Kit includes desiccant cartridges and associated seals, silencer service kit, valve body stem and all associated seals) supplied with cartridge removal tool	
PD0056	PDSK0056-24000-S115		
PD0075	PDSK0075-24000-S115		
PD0090	PDSK0090-24000-S115		
PD0110	PDSK0110-24000-S115		
PD0150	PDSK0150-24000-S115		
PD0180	PDSK0180-24000-S115		
PD0220	PDSK0220-24000-D115		
PD0300	PDSK0300-24000-D115		
PD0360	PDSK0360-24000-D115		
PD0046	PDSK0046-24000-S230	24,000 hour Desiccant Cartridge, Silencer, Valve & Purge Valve Service Kit (Kit includes desiccant cartridges and associated seals, silencer service kit, valve body stem and all associated seals) supplied with cartridge removal tool	
PD0056	PDSK0056-24000-S230		
PD0075	PDSK0075-24000-S230		
PD0090	PDSK0090-24000-S230		
PD0110	PDSK0110-24000-S230		
PD0150	PDSK0150-24000-S230		
PD0180	PDSK0180-24000-S230		
PD0220	PDSK0220-24000-D230		
PD0300	PDSK0300-24000-D230		
PD0360	PDSK0360-24000-D230		

Technical Notes

1. Information above relates to standard service only (-20°C / -4°F and -40°C / -40°F PDP). For information and pricing on specialist High Performance (-74°C / -100°F) and Breathing Air applications, please contact Walker Filtration.

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Dryer model	Part number of kit	Service interval	Description	Price (£)
PD004 - PD035	PD1SV01	-	Solenoid valves (only)	
PD0046 - PD0360	PD3SKV024		24VDC Solenoid Kit	
PD0046 - PD0360	PD3SKV115		115V Solenoid Kit	
PD0046 - PD0360	PD3SKV230		230V Solenoid Kit	
PD004 - PD035	PD1SKS01	Recommended: 12,000 hours (2 years)	Shuttles, shuttle seats and O-rings	
PD0046 - PD0180	PD3SKS01		Simplex shuttle service kit	
PD0220 - PD0360	PD3SKD01		Duplex shuttle service kit	
PD004 - PD035	PD1TDKS01	Recommended: 12,000 hours (2 years)	Top valve diaphragm, diaphragm springs, brass discs.(not applicable for larger dryers)	
PD004 - PD035	PD1BDKD01		Bottom valve diaphragm, diaphragm springs, brass discs. (not applicable for larger dryers)	
PD004 - PD035	PDC01	-	PD1 controller (without valves)	
PD004 - PD035	PDCK01		Electronic controller complete with solenoid valves	
PD0046 - PD0360	PD3CK024		24VDC controller complete with valves	
PD0046 - PD0360	PD3CK115		115V controller complete with valves	
PD0046 - PD0360	PD3CK230		230V controller complete with valves	
PD004 - PD035	Contact sales department for part number	-	Purge plug kit	
PD0046	PD3PPK1		PD0046 – PD0056 Purge valve kit	
PD0056				
PD0075	PD3PPK2		PD0075 – PD0110 Purge valve kit	
PD0090				
PD0110				
PD0150	PD3PPK3		PD0150 Purge valve kit	
PD0180	PD3PPK4		PD0180 Purge valve kit	
PD0220	PD3PPK5		PD0220 – PD0300 Purge valve kit	
PD0300				
PD0360	PD3PPK6		PD0360 Purge valve kit	
PD0046 - PD0360	PD3HK01	-	Hygrometer kit	
PD0046 - PD0360	PD3HUK01		Hygrometer upgrade kit (required when upgrading DMC digital display controller only - to full dewpoint management control)	
PD0046 - PD0360	PD3DVS01	-	Drain valve kit	
PD004 - PD0360	PDDIN01	-	DIN plug kit	
PD0046 - PD0360	PD3DIN01	-	Female DIN plug kit	
PD0046 - PD0360	PD3PSK01	-	Power supply unit: 100-240V to 24VDC power supply lead (24VDC DMC controller only)	
PD0046 - PD0180	PD3MSKS	-	Simplex master seal kit	
PD0220 - PD0360	PD3MSKD	-	Duplex master seal kit	
PD004 - PD035	WKN01804	-	Wall mounting bracket	
PD004 - PD035	WKN01805	-	Floor mounting bracket	

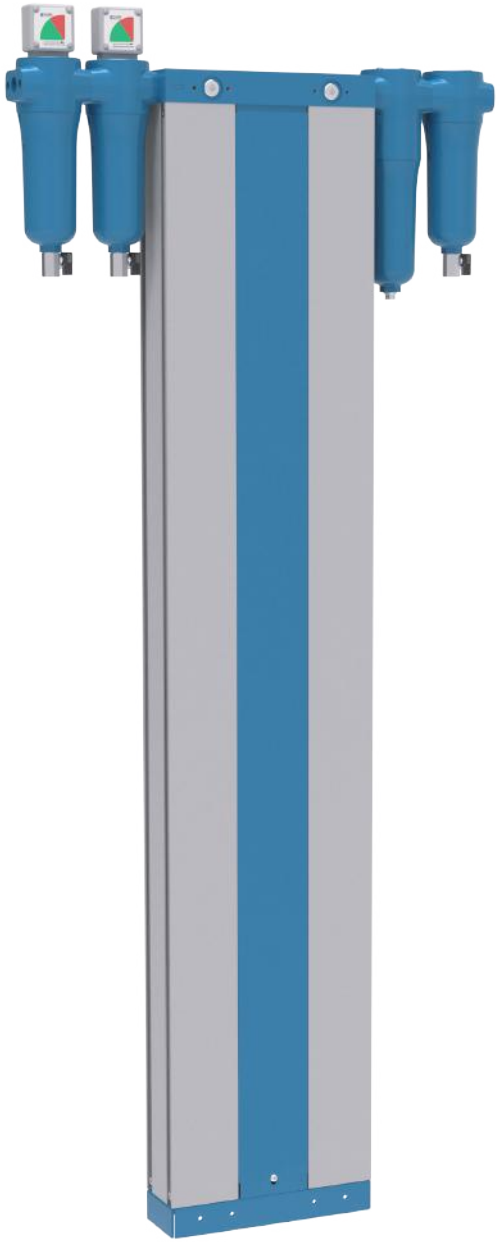
Breathing and Medical Air

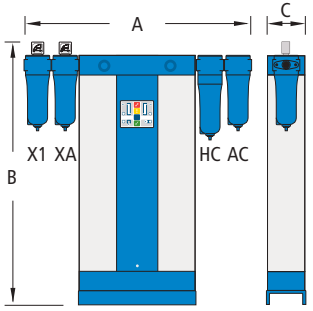
Models | BA025 to BA035

Flow Rates:	25 SCFM (42 Nm³/hr) to 175 SCFM (297 Nm³/hr)
Working pressure:	4 barg to 16 barg
Operating Temperature:	1.5ºC to 30ºC
Connections:	½ to 1 inches

This product range has been specifically designed to provide the user with a clean supply of compressed air, to ensure the safety of personnel operating in hazardous or contaminated conditions.

- **Carbon monoxide control A major feature of the Walker Filtration's Breathing and Medical Air Packages is the capability to control carbon monoxide, which is one of the most common life threatening gases**
- **Flexible solution A standard range of breathing air packages from 25 SCFM (42 Nm3/hr) – 175 SCFM (297 Nm3/hr).Larger flow capacities and duplex systems are available upon request**
- **Optimised performance The desiccant based Dryer utilised within the package is electronically controlled and equipped with a remote alarm monitoring function. In addition, the service status can be monitored using the built-in LED display**
- **Easy and efficient servicing Desiccant and hopcalite catalyst purifiers are both cartridge based which enables simple, time efficient replacement when compared to traditional loose filled vessels**





BA025 - BA035

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Replacements and Spare Parts (refer to page 143)

Breathing and Medical Air

This product range has been specifically designed to provide the user with a clean supply of compressed air, to ensure the safety of personnel operating in hazardous or contaminated conditions.

Model	Pipe size inches	Inlet flow rate		Outlet flow rate		Dimensions mm			Weight Kg	Complete price (£)	Element model (grade)	Element price (£)	Element model (HC)	Element price (HC) (£)
		Nm³/h	SCFM	Nm³/h	SCFM	A	B	C						
BA025	½	42	25	34	20	633	1130	92	30.0		**E511 (grade)**		**E521 HC**	
BA035	½	59	35	48	28	633	1525	92	37.0		**E511 (grade)**		**E521 HC**	

Accessories

Model	Accessories description	Kit number	Price (£)
BA025	12,000 service kit, includes: 2 plastic desiccant cartridges, pack of sealing O-rings and sealing washers, instruction manual, controller re-set disc.	**PDMC025-12000**	
BA035		**PDMC035-12000**	
BA045	12,000 service kit, includes: 2 aluminium desiccant cartridges, pack of sealing O-rings and sealing washers, instruction manual, controller re-set disc.	**PDMC045-12000**	
BA055		**PDMC055-12000**	
BA065		**PDMC065-12000**	
BA085		**PDMC085-12000**	
BA105	12,000 service kit, includes: 4 aluminium desiccant cartridges, pack of sealing O-rings and sealing washers, instruction manual, controller re-set disc.	**PDMC105-12000**	
BA135		**PDMC135-12000**	
BA175		**PDMC175-12000**	
All models	Packaging specifications: Breathing air purifiers are supplied in a timber framed 12mm plywood crate, suitable for international transportation. Each crate has a foam lined interior to protect dryer from transit damage.		

Specification		
Maximum operating pressure	16 barg	232 psig
Particle removal	4 barg	58 psig
Maximum recommended inlet temperature	30ºC	86ºF
Minimum inlet temperature	1.5ºC	35ºF
Power supply	12VDC to 24VDC	100VAC to 240VAC



cartridges shown: PDMC025-12000



cartridges shown: PDMC065-12000

Technical Notes

1. Breathing and Medical Air must be installed and maintained in accordance with local regulations and standards.
2. Models are supplied together with an X1, XA, HC and AC filters.
3. Meets requirements specified in BS EN 1JULY 2022 and European Pharmacopeia.
4. We recommend that an XA (0.01 micron) Coalescing pre-filter is installed upstream of the dryer and an RXA (0.01 micron) Particulate (dust) filter is installed downstream of the dryer.
5. High Performance Desiccant Cartridges are required for applications where -70°C and -74°C dewpoints are required. Cartridges contain 100% high performance molecular sieve specifically designed for critical applications. Contact Walker Filtration for more information.
6. For NPT versions, replace R with N in model number e.g. BA035N
7. Standard models supplied with pressure gauges, electronic fault alarm and diagnostic controller.
8. Standard models supplied with 100-240 VAC at 50-60Hz or 12VDC to 24VDC
9. Models BA025 and BA035 have plastic cartridges

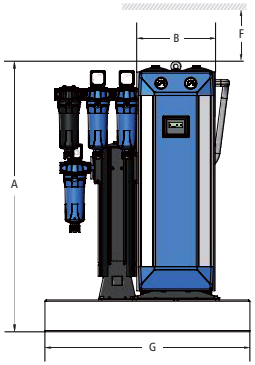
PRO BA Skid

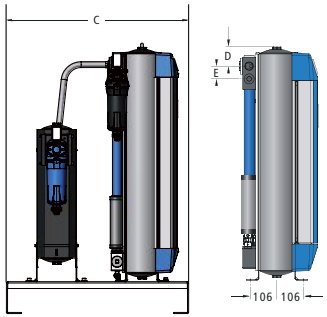
Models | BA0046 to BA0180

Flow Rates:	Flow Rates 45 CFM (77 m³/hr) to 180 CFM (306 m³/hr)
Working pressure:	4 barg - 20.7 barg
Operating Temperature:	+1.5ºC to +50ºC
Connections:	1 inche

Due to the increasing demand for improved environmental and safety control, Walker Filtration have compiled a comprehensive range of wall mounted and portable breathable air systems. Designed to suit 2 and 4 port breathable air installations, these purification packages offer exceptional dirt holding capacity and can be installed where safe, breathable compressed air is required.







- **Flow-Optimised Design** Advanced filter head design for optimised flow performance
- **Flexible Installation** Modular design and accessible fixings enable simple close coupling assembly
- **Market Leading Performance** Custom engineered filtration media delivers optimum performance in line with air quality standard ISO 8573-1: 2010
- **Simplified Serviceability** Profiled bowl design and push fit elements ensure quick and reliable maintenance
- **Corrosion Protection** Internal and external electrophoretic paint finish followed by a tough exterior polyester powder coating
- **Colour Coded Element End Caps** Easy and accurate grade identification vapour

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Replacements and Spare Parts (refer to page 143)

PRO BA Skid Models BA0046 to BA0180

Filter model	Pipe size inches	Inlet f low rate*		Outlet flow rate*		Dimensions mm							Weight kg	Element model	Complete price (£)
		cfm	m3/hr	cfm	m3/hr	A	B	C	D	E	F	G			
BA0046	1	45	77	36	61	795 (31.3)	380 (15)	800 (31.4)	76 (3)	50 (2)	600 (23.6)	900 (35.4)	110	**E0621 (grade)**	
BA0056	1	55	94	44	75	875 (34.4)	380 (15)	800 (31.4)	76 (3)	50 (2)	700 (27.6)	900 (35.4)	115	**E0621 (grade)**	
BA0075	1	75	128	50	85	1045 (41.1)	380 (15)	800 (31.4)	76 (3)	50 (2)	850 (33.5)	900 (35.4)	125	**E0621 (grade)**	
BA0090	1	90	153	72	122	1170 (46.0)	380 (15)	800 (31.4)	76 (3)	50 (2)	1000 (39.4)	900 (35.4)	135	**E0621 (grade)**	
BA0110	1	110	187	88	150	1400 (55.1)	380 (15)	800 (31.4)	76 (3)	50 (2)	700 (27.6)	900 (35.4)	150	**E0621 (grade)**	
BA0150	1	150	255	120	204	1735 (68.3)	380 (15)	800 (31.4)	76 (3)	50 (2)	850 (33.5)	900 (35.4)	175	**E0621 (grade)**	
BA0180	1	180	306	144	245	1985 (78.1)	380 (15)	800 (31.4)	76 (3)	50 (2)	1000 (39.4)	900 (35.4)	195	**E0621 (grade)**	

Grade	RX25		RX5		RX1		RXA		RAC	
Particle removal	25 micron		5 micron		1 micron		0.01 micron		0.01 micron	
Maximum particle size class**	-		4		3		1		1	
Maximum oil carryover at 20°C (68°F)	-		-		-		-		0.003 mg/m³	
Pressure loss - clean & dry	30 mbar	0.4 psi	40 mbar	0.6 psi	75 mbar	1.1 psi	100 mbar	1.5 psi	75 mbar	1.1 psi
Pressure loss - element change	12 mths	8000 hrs	12 mths	8000 hrs	12 mths	8000 hrs	12 mths	8000 hrs	at least every 6 mths	
Maximum temperature	120°C	248°F	120°C	248°F	120°C	248°F	120°C	248°F	50°C***	122°F***
Maximum working pressure	20.7 barg	300 psig	20.7 barg	300 psig	20.7 barg	300 psig	20.7 barg	300 psig	20.7 barg	300 psig
Element end cap colour	Black		Green		Red		Blue		Black	

** to ISO 8573-1: 2010 *** Maximum recommended operating temperature 25ºC (77ºF)

Pressure correction factors	For maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure									
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)	20.7 (300)
7 barg - correction factor	0.76	0.84	0.92	1	1.07	1.19	1.31	1.41	1.51	1.73

Technical Notes

1 PRO BA must be installed and maintained in accordance with local regulations and standards..
2. Models are supplied together with an X1, XA, HC and AC FIlters
3 Meets requirements specified in BS EN 1JULY 2022 and European Pharmacopeia.
4 These filter packages typically exceed requirements of EN1JULY 2022, but will not completely remove certain types of gases including Carbon Monoxide (CO) and Carbon Dioxide (CO^2).
5 Standard models operate at 13 barg.
6 Standard models supplied with pressure gauges, electronic fault alarm and diagnostic controller.
7 Standard models supplied with 100-240 VAC at 50-60Hz or 12VDC to 24VDC.
8 Models 8103010000 and 8103010006 have plastic cartridges.



PRO XF Filters

Available in 2″, 2 1/2″, and 3″ Threaded and 3″ and 4″ Flanged Housings, PRO XF provides a robust and compact range of Filters that is ideal for use in multi-compressor installations and skid-based packages. PRO XF's unique filter elements are designed to deliver optimum performance in line with the highest standards of air purity.

Used as a motive force for powering tools and automated machinery, the requirement for a compressed air supply to be clean, dry and contaminate free is crucial to ensuring safe, efficient, and profitable operation and manufacturing. The presence of dust, oil, moisture, and particulates within a compressed air line can significantly reduce the performance and lifespan of end-use equipment and lead to damage of the finished goods being manufactured. Therefore, correct air filtration is essential to delivering high quality compressed air to the quality required for the end application.

PRO XF's robust, high quality design ensures that clean and oil free compressed air is delivered contaminant free, to the exacting specifications required for end use. Suitable for worldwide installation and ideally suited for multi-compressor installations and skid based packages, the new PRO XF range will meet and exceed the highest standards of air purity when tested in accordance with ISO8573-1: 2010 air quality classes.

High Quality Applications


Vacuum Packaging


Automotive


Industrial Cleaning


Plastics


Foundries


Medical


Dental


Power Generation


Oil & Gas


Military


Pneumatic Conveying


Transit


Paper & Printing


Laser Cutting


General Industry

Critical Applications


Electronics


Food Production


Pharmaceutical


Beverages & Breweries


Instrumentation


Critical Component Manufacturing

Dewpoint temperature	Application
-74°C (-100°F)	Highly critical applications (e.g.) semiconductor industry / electronic industry
-40°C (-40°F)	Effective point of use (e.g.) general industry (standard pressure dewpoint)
-20°C (-4°F)	Specialist use including some breathing air applications

Accessories

To accompany our standard range, we supply a comprehensive range of spares and accessories, starting on page 152



PRO XF Filters

The PRO XF range is available in both Complete and Modular Filter housings which, when combined, deliver a compact and cost effective multi-banked filtration solution.

The PRO XF modular design always starts with a Complete Filter Vessel (Particulate Filter, Coalescing Filter, Vapour Filter or Water Separator) which includes either threaded or flanged inlet and outlet ports. Additional Filter Modules, which are supplied with slim-line connectors and no inlet and outlet ports, can then be added to create a compact and versatile multi-banked solution.

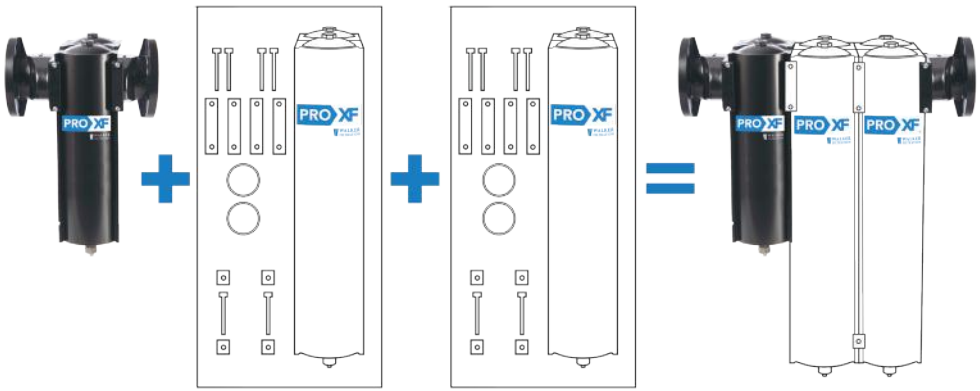
- **Flow-Optimised Design: Advanced filter head design for optimised flow performance**
- **Flexible Installation: Modular design and accessible fixings enable simple close coupling assembly**
- **Market Leading Performance: Custom engineered filtration media delivers optimum performance in line with air quality standard ISO 8573-1: 2010**
- **Simplified Serviceability: New externally accessible drain, profiled bowl design and unique push fit elements ensure quick and reliable maintenance**
- **Corrosion Protection: Internal and external electrophoretic paint finish followed by a tough exterior polyester powder coating**
- **Colour Coded Element End Caps: Easy and accurate grade identification**



Modular Construction Explained

Multi-banked filtration solutions:

Example: Air Purity Classification 1,-,1



Water Separator eg. XF400FWS | Filter Module eg. XFM062X5 | Filter Module eg. XFM062XA | Multi-banked Filtration system

Compressed Air Purity Classes ISO 8573-1

The table below summarises the maximum contaminant levels specified in ISO 8573 Part 1 (2010) for the various compressed air quality classes. Each compressed air classification can be achieved by installing a specific filter grade or a combination of filter grades, depending upon required performance.

Purity class	Particle				Water		Oil
	Maximum number of particles per cubic metre as a function of particle size, d[a]				Vapour	Liquid[a]	Total oil[a]
	0.1µm<d≤0.5µm	0.5µm<d≤1.0µm	1.0µm<d≤5.0µm	Mass concentration Cp mg/m³	Pressure dewpoint °C	Concentration liquid water Cw g/m³	Liquid, aerosol, vapour mg/m³
0	As specified by the equipment user or supplier and more stringent than class [1]						
1	≤ 20,000	≤ 400	≤ 10	-	≤ -70	-	≤ 0.01
2	≤ 400,000	≤ 6,000	≤ 100	-	≤ -40	-	≤ 0.1
3	-	≤ 90,000	≤ 1,000	-	≤ -20	-	≤ 1
4	-	-	≤ 10,000	-	≤ +3	-	≤ 5
5	-	-	≤ 100,000	-	≤ +7	-	-

Filter grade	Grade X25 25 micron	Grade X5 5 micron	Grade X1 1 micron	Grade XA 0.01 micron	Grade AC 0.01 micron
Maximum particle size class to ISO 8573-1:2010	-	Class 3	Class 2	Class 1	Class 1
Maximum oil content class to ISO 8573-1:2010	-	Class 4	Class 2	Class 1	Class 1

PRO XF Coalescing Filters

Models | XF241 mto XF673F

Flow Rates:	700 SCFM (1189 Nm³/hr) to 3000 SCFM (5097 Nm³/hr)
Working pressure:	4 barg to 16 barg
Operating Temperature:	1ºC to 120ºC
Connections:	2 to 6 inches

Available in 2", 2 ½" 4" Threaded and DN80 DN100 and DN150, 6" Flanged Housings, PRO XF provides a robust and compact range of compressed air and gas filters that are ideal for use in multi compressor installations and skid based packages. Grades include X25, X5, X1, XA and AC.

- **Modular Construction Filters can be installed individually or banked together using slim-line connectors**
- **High Efficiency Custom engineered filtration media delivers optimum performance in line with air quality standard ISO 8573-1 : 2010**
- **Service Friendly Top loading design makes access to the internal filter element quick and simple, eliminating the need to remove drain during element change out**
- **Safe Handling New 'Easy Grip' element minimises contact with contaminated filtration media for safe handling and quick, efficient filter element change out**
- **Flexible Installation Floor mounting brackets available for all PRO XF filter housings and wall mounting brackets available for all threaded housings**
- **Corrosion Protection Internal and external EP coating**
- **Externally accessible drain valve Unique easy access drain can be removed externally and is supplied as standard on all models**







Filter Element
X25 (25 micron)
X5 (5 micron)
X1 (1 micron)
XA (0.01 micron)
AC (0.01 micron)





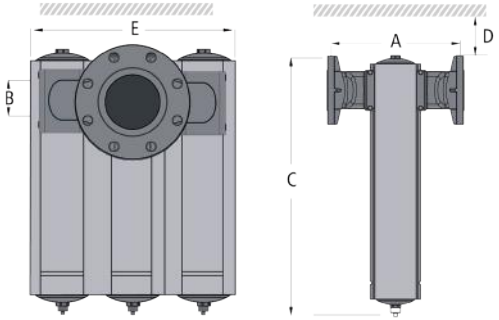
Floor and Wall Mounting Brackets available



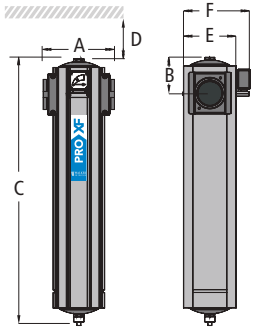
Externally accessible Float Operated Drain Valve ADVSE16



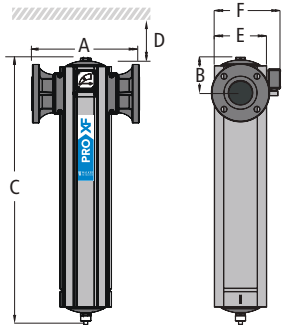
Differential Pressure Indicator 65DPIG



XF643F - XF673F



XF241 to XF371



XF341F to XF371F

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Replacements and Spare Parts (refer to page 143)

PRO XF Coalescing Filters

Complete Filter model	Pipe size inches	Inlet flow rate*		Dimensions mm						Weight Kg	Complete price (£)	Element model	Element price (£ each)	No. of elements
		Nm³/h	SCFM	A	B	C	D	E	F					
XF241 (grade)	2	1189	700	232	116	650	550	171	217	12.8		**E1142 (grade)**		1
XF251 (grade)	2½	1444	850	232	116	650	550	171	217	12.8		**E1142 (grade)**		1
XF341 (grade)	3	1529	900	232	116	650	550	171	217	12.8		**E1142 (grade)**		1
XF361 (grade)	3	2124	1250	232	116	870	750	171	217	16.5		**E1162 (grade)**		1
XF371 (grade)	3	2550	1500	232	116	1027	950	171	217	19.0		**E1172 (grade)**		1
XF341F (grade)	3 (DN80)	1529	900	352	116	650	550	171	217	16.7		**E1142 (grade)**		1
XF361F (grade)	3 (DN80)	2124	1250	352	116	870	750	171	217	20.4		**E1162 (grade)**		1
XF371F (grade)	3 (DN80)	2550	1500	352	116	1027	950	171	217	22.9		**E1172 (grade)**		1
XF442F (grade)	4 (DN100)	3058	1800	457	116	650	550	343	N/A	30.8		**E1142 (grade)**		2
XF462F (grade)	4 (DN100)	4248	2500	457	116	870	750	343	N/A	37.7		**E1162 (grade)**		2
XF472F (grade)	4 (DN100)	5097	3000	457	116	1027	950	343	N/A	42.3		**E1172 (grade)**		2
XF643F (grade)	6 (DN150)	4587	2856	548	140	650	550	531	N/A	58		**E1142 (grade)**		3
XF663F (grade)	6 (DN150)	6372	3970	548	140	784	750	531	N/A	62		**E1162 (grade)**		3
XF673F (grade)	6 (DN150)	7650	4766	548	140	1027	950	531	N/A	69		**E1172 (grade)**		3

* Rated flow at 7 barg, reference conditions 1 bar (a) 20°C

Filter module (7)	Inlet flow rate*		Dimensions mm						Weight Kg	Complete price (£ each)	Element model	Element price (£ each)	No. of elements
	Nm³/h	SCFM	A	B	C	D	E	F					
XFM041 (grade)	1529	900	168	116	650	550	171	217	11.2		**E1142 (grade)**		1
XFM061 (grade)	2124	1250	168	116	870	750	171	217	14.9		**E1162 (grade)**		1
XFM071 (grade)	2550	1500	168	116	1027	950	171	217	17.4		**E1172 (grade)**		1
XFM042 (grade)	3058	1800	168	116	650	550	343	N/A	20.4		**E1142 (grade)**		2
XFM062 (grade)	4248	2500	168	116	870	750	343	N/A	27.3		**E1162 (grade)**		2
XFM072 (grade)	5097	3000	168	116	1027	950	343	N/A	31.9		**E1172 (grade)**		2

* Rated flow at 7 barg, reference conditions 1 bar (a) 20°C

Grade	X25		X5		X1		XA		AC	
Particle removal	25 micron		5 micron		1 micron		0.01 micron		0.01 micron	
Maximum particle size class**	-		3		2		1		1	
Maximum oil content	-		4		2		1		1	
Maximum oil carryover at 20°C (68°F)	10 mg/m³		5 mg/m³		0.1 mg/m³		0.01 mg/m³		0.003 mg/m³	
Pressure loss: clean and dry	30 mbar	0.4 psi	40 mbar	0.6 psi	75 mbar	1.1 psi	100 mbar	1.5 psi	75 mbar	1.1 psi
Pressure loss: saturated	50 mbar	0.7 psi	75 mbar	1.1 psi	150 mbar	2.2 psi	300 mbar	4.4 psi	-	
Pressure loss: element change	400 mbar	6 psi	400 mbar	6 psi	400 mbar	6 psi	400 mbar	6 psi	at least every 6 months	
Maximum temperature	80°C	176°F	80°C	176°F	80°C	176°F	80°C	176°F	50°C***	122°F***
Maximum working pressure	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig
Element end cap colour	Black		Green		Red		Blue		Black	

** to ISO 8573-1:2010 *** Recommended operating temperature 25°C (77°F)

Pressure correction factor	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure								
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)
7 barg - correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51

Technical Notes

1. Differential Pressure Indicator (65DPIG) fitted as standard to Complete Filters XF241 to XF371F and Filter Modules XFM041 to XFM071. AC filters do not include differential pressure equipment.
2. 25, 5, 1 and 0.01 micron Coalescing Filters are fitted as standard with an externally accessible Float Operated Automatic Drain Valves and operate at 16 barg (232 psig) at 80˚C (176˚F). 120˚C (248˚F) operating temperature available when supplied with a Manual Drain Valve. When high quantities of liquids are anticipated, Walker Filtration recommends the use of electronic drain valves.
3. Activated Carbon Filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO^2).
4. High Performance Desiccant Cartridges are required for applications where -70°C and -74°C dewpoints are required. Cartridges contain 100% high performance molecular sieve specifically designed for critical applications. Contact Walker Filtration for more information.
5. Threaded connections are Rp (BSP parallel) to ISO 7/1 or NPT to ANSI B2.1 if supplied within North America. For NPT connections add the suffix 'N' e.g. XF241NXA.
6. Filter Modules are supplied without threaded or flanged connection ports and include one set of slim-line connectors to allow multi-banking of filter housings. A Complete Filter or Water Separator must be purchased alongside Filter Module Units for multi-banking.
7. Floor Mounting Brackets available for all models (XFMBK2 and XFMBK3). Wall Mounting Brackets (XFMBK1) available for Complete Filters XF241 to XF371. See page 51 for pricing.
8. Filter elements should be changed every 12 months / 8000 hours (whichever comes first). Activated Carbon Filter elements should be changed at least every 6 months

PRO XF Particulate Filters

Models | XF241 to XF673F

Flow Rates:	700 SCFM (1189 Nm³/hr) to 3000 SCFM (5097 Nm³/hr)
Working pressure:	4 barg to 16 barg
Operating Temperature:	1ºC to 120ºC
Connections:	2 to 4 inches

Available in 2", 2 ½" and 3" Threaded and DN80 and DN100 Flanged Housings, PRO XF provides a robust and compact range of compressed air filters that are ideal for use in multi compressor installations and skid based packages. Grades include RX25, RX5, RX1, RXA and RAC.

- **Flow-Optimised Design: Advanced filter head design for optimised flow performance**
- **Flexible Installation: Modular design and accessible fixings enable simple close coupling assembly**
- **Market Leading Performance: Custom engineered filtration media delivers optimum performance in line with air quality standard ISO 8573-1: 2010**
- **Simplified Serviceability: New externally accessible drain, profiled bowl design and unique push fit elements ensure quick and reliable maintenance**
- **Corrosion Protection: Internal and external electrophoretic paint finish followed by a tough exterior polyester powder coating**
- **Colour Coded Element End Caps: Easy and accurate grade identification**





Floor and Wall Mounting Brackets



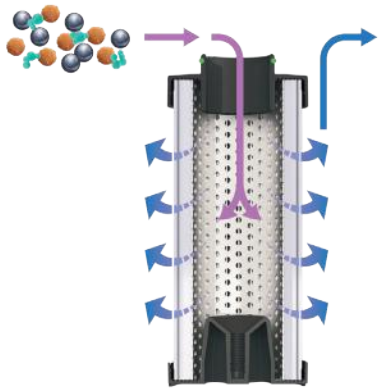
Manual Drain Valve MDV25



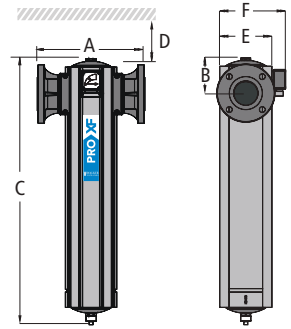
Differential Pressure Indicator 65DPIG



Filter Element
RX25 (25 micron)
RX5 (5 micron)
RX1 (1 micron)
RXA (0.01 micron)
RAC (0.01 micron)



Coalescing; Flows inside to out



XF341F to XF371F

Replacements and Spare Parts (refer to page 143)

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PRO XF Particulate Filters

Complete Filter model	Pipe size inches	Inlet flow rate*		Dimensions mm						Weight Kg	Complete price (£)	Element model	Element price (£ each)	No. of elements
		Nm³/h	SCFM	A	B	C	D	E	F					
XF241 (grade)	2	1189	700	232	116	650	550	171	217	12.8		**E1142 (grade)**		1
XF251 (grade)	2½	1444	850	232	116	650	550	171	217	12.8		**E1142 (grade)**		1
XF341 (grade)	3	1529	900	232	116	650	550	171	217	12.8		**E1142 (grade)**		1
XF361 (grade)	3	2124	1250	232	116	870	750	171	217	16.5		**E1162 (grade)**		1
XF371 (grade)	3	2550	1500	232	116	1027	950	171	217	19.0		**E1172 (grade)**		1
XF341F (grade)	3 (DN80)	1529	900	352	116	650	550	171	217	16.7		**E1142 (grade)**		1
XF361F (grade)	3 (DN80)	2124	1250	352	116	870	750	171	217	20.4		**E1162 (grade)**		1
XF371F (grade)	3 (DN80)	2550	1500	352	116	1027	950	171	217	22.9		**E1172 (grade)**		1
XF442F (grade)	4 (DN100)	3058	1800	457	116	650	550	343	N/A	30.8		**E1142 (grade)**		2
XF462F (grade)	4 (DN100)	4248	2500	457	116	870	750	343	N/A	37.7		**E1162 (grade)**		2
XF472F (grade)	4 (DN100)	5097	3000	457	116	1027	950	343	N/A	42.3		**E1172 (grade)**		2
XF643F (grade)	6 (DN150)	4587	2856	548	140	650	550	531	N/A	58		**E1142 (grade)**		3
XF663F (grade)	6 (DN150)	6372	3970	548	140	784	750	531	N/A	62		**E1162 (grade)**		3
XF673F (grade)	6 (DN150)	7650	4766	548	140	1027	950	531	N/A	69		**E1172 (grade)**		3

* Rated flow at 7 barg, reference conditions 1 bar (a) 20°C

Filter module (6)	Inlet flow rate*		Dimensions mm						Weight Kg	Complete price (£)	Element model	Element price (£ each)	No. of elements
	Nm³/h	SCFM	A	B	C	D	E	F					
XFM041 (grade)	1529	900	168	116	650	550	171	217	11.2		**E1142 (grade)**		1
XFM061 (grade)	2124	1250	168	116	870	750	171	217	14.9		**E1162 (grade)**		1
XFM071 (grade)	2550	1500	168	116	1027	950	171	217	17.4		**E1172 (grade)**		1
XFM042 (grade)	3058	1800	168	116	650	550	343	N/A	20.4		**E1142 (grade)**		2
XFM062 (grade)	4248	2500	168	116	870	750	343	N/A	27.3		**E1162 (grade)**		2
XFM072 (grade)	5097	3000	168	116	1027	950	343	N/A	31.9		**E1172 (grade)**		2

* Rated flow at 7 barg, reference conditions 1 bar (a) 20°C

Grade	RX25		RX5		RX1		RXA		RAC	
Particle removal	25 micron		5 micron		1 micron		0.01 micron		0.01 micron	
Maximum particle size class**	-		3		2		1		1	
Maximum working pressure	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig
Pressure loss: clean & dry	30 mbar	0.4 psi	40 mbar	0.6 psi	75 mbar	1.1 psi	100 mbar	1.5 psi	75 mbar	1.1 psi
Pressure loss: element change	400 mbar	6 psi	400 mbar	6 psi	400 mbar	6 psi	400 mbar	6 psi	at least every 6 months	
Maximum temperature	120°C	248°F	120°C	248°F	120°C	248°F	120°C	248°F	50°C***	122°F***
Element end cap colour	Black		Green		Red		Blue		Black	

To ISO 8573-1:2010 * Maximum Recommended operating temperature 25ºC (77ºF)

Pressure correction factor	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure								
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)
7 barg - correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51

Technical Notes

1 Direction of air flow is inside to out through the filter element.

2. Differential pressure indicator (65DPIG) fitted as standard to Complete Filters XF241 to XF371F and Filter Modules XFM041 to XFM071. AC filters do not include differential pressure equipment.

3 Activated Carbon Filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO2)..

4 Flanged connections are DN80 PN16 (3") and DN100 PN16 flanged (4"), or ANSI B16.5 class 150 (3") and 150lb (4"). Filters supplied as standard, i.e. XF341F, will be supplied with DN type flanges. For 3" ANSI 150lb and 4" ANSI 150lb flanges add the suffix 'P' to the part number e.g. XF341FPXA. .

5 Threaded connections are Rp (BSP parallel) to ISO 7/1 or NPT to ANSI B2.1 if supplied within North America. For NPT connections add the suffix 'N' e.g. XF241NXA.

6 Filter Modules are supplied without threaded or flanged connection ports and include one set of slim-line connectors to allow multi-banking of filter housings. A Complete Filter or Water Separator must be purchased alongside Filter Module Units for multi-banking.

7 Floor Mounting Brackets available for all models (XFMBK2 and XFMBK3). Wall Mounting Brackets (XFMBK1) available for Complete Filters XF241 to XF371. See page 51 for pricing.

8 Filter elements should be changed every 12 months / 8000 hours (whichever comes first). Activated Carbon filter elements should be changed at least every 6 months.

9 PRO XF Dust filters are fitted as standard with an externally accessible Manual Drain Valve (MDV25) and operate at 16 barg (232 psig) at 120ºC (248ºF).

PRO MV Medical Vacuum Filters

Models | XM241MV to XM673FMV

Flow Rates:	45 scfm (77 Nm³/hr) to 360 scfm (612 Nm³/hr)
Working pressure:	3 barg to 13 barg
Operating Temperature:	1.5ºC to 50ºC
Connections:	1 to 1½ inches

Designed to meet the requirements of global medical gas pipeline standards, PRO MV offers an innovative and compact alternative to fabricated flanged Medical Vacuum Filters. PRO MV delivers a comprehensive product range for use in medical vacuum installations.

- **High Efficiency Medical Grade Filter Element PRO MV's unique filtration media and deep pleat element technology provides minimal pressure loss and improved dirt holding capacity. Low pressure loss borosilicate glass microfiber-media reduces energy consumption for low total cost of ownership**
- **Quick and Easy Maintenance Engineered profiled O-ring seal prevents air bypass, protecting the 'Easy Grip' filter element handle from coming into contact with contaminants, allowing clean and efficient element change out**
- **Exceptional Build Quality Manufactured using the highest quality materials, our PRO MV Medical Vacuum range provides complete reassurance that required standards are met**
- **Drop and Lock' Filter Element 'Easy Grip' element handle and 'drop and lock' feature simplifies element change out - offering up to 80% savings in service and installation time***



Manual Drain Valve
MDV25





Differential Pressure Gauge 65DPG250B



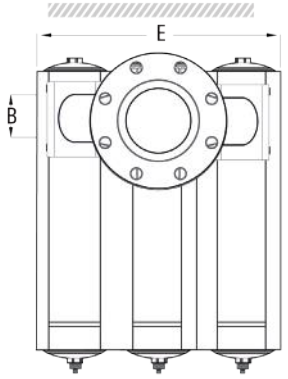
MV Element

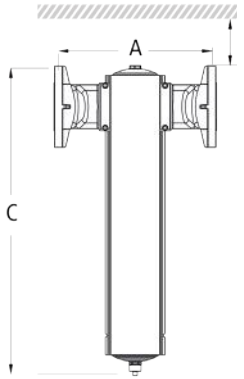


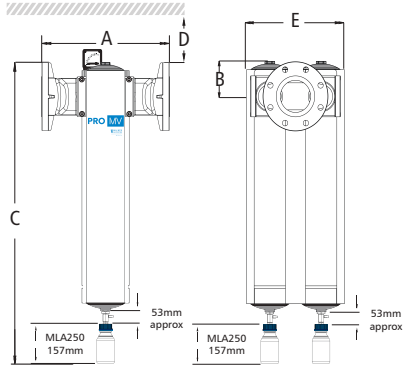
Floor and Wall Mounting Brackets



Glass Flask - MLA250







XFM442FMV to XFM472FMV

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Replacements and Spare Parts (refer to page 143)

PRO MV Medical Vacuum Filters

Filter model	Pipe size inches	Maximum Rated Flow at an Operating Vacuum (Suction) Pressure of 19" HG (475 mmHg) [(285 Torr)]						Dimensions mm					Weight Kg	Complete price (£)	Element model	Element price (£ each)	No. of elements
		Free Air Aspirated (FAA)			Rarified Air Flow												
		NL/min	Nm³/h	SCFM	L/min	m³/h	CFM	A	B	C	D	E					
XM241MV	2	2300	138	81	6081	365	215	232	116	620	550	171	12.8		**E1142MV**		1
XM251MV	2½	3000	180	106	7932	476	280	232	116	620	550	171	12.8		**E1142MV**		1
XM341MV	3	3300	198	117	8725	523	308	232	116	620	550	171	12.8		**E1142MV**		1
XM361MV	3	4000	240	148	10575	635	373	232	116	840	750	171	16.5		**E1162MV**		1
XM371MV	3	4500	270	162	11897	714	420	232	116	998	950	171	19.0		**E1172MV**		1
XM341FMV	3 (DN80)	3300	198	117	8725	523	308	352	116	620	550	171	16.7		**E1142MV**		1
XM361FMV	3 (DN80)	4000	240	148	10575	635	373	352	116	840	750	171	20.4		**E1162MV**		1
XM371FMV	3 (DN80)	4500	270	162	11897	714	420	352	116	998	950	171	22.9		**E1172MV**		1
XM442FMV	4 (DN100)	6600	396	233	17449	1047	616	450	116	670	550	343	30.8		**E1142MV**		2
XM462FMV	4 (DN100)	8000	480	283	21151	1269	747	450	116	890	750	343	37.7		**E1162MV**		2
XM472FMV	4 (DN100)	9000	540	318	23795	1428	840	450	116	1048	950	343	42.3		**E1172MV**		2
XM643FMV	6 (DN150)	9900	594	351	26175	1569	924	548	140	650	550	531	58		**E1142MV**		3
XM663FMV	6 (DN150)	12000	720	423	31725	1905	1119	548	140	784	750	531	62		**E1162MV**		3
XM673FMV	6 (DN150)	13500	810	477	35691	2142	1260	548	140	1027	950	531	69		**E1172MV**		3

NOTE: Rated flows are stated at HTM 02-01 conditions. For flows at other operating pressures, please consult Walker Filtration Ltd. Operating vacuum (suction) pressure is stated at the filter outlet (i.e. vacuum pump or suction side). Standard (reference) atmosphere: 101.325 kPa (1013.25 mbar(a), 20°C

Grade	MV
Particle removal efficiency	>99.995%*
Maximum temperature	60°C (140°F)
Pressure loss - clean & dry	≤ 3 kPa (30 mbar / 0.44 psig)
Maximum working pressure	0.5 barg (7 psig)
Maximum working vacuum	Full Vacuum
Element end cap colour	**Black**

*In accordance with BS3928:1969

Pressure correction factor	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure											
Operating pressure (absolute) mbar(a)	1013.25	1000	900	800	700	600	500	400	383.25	300	200	100
Correction factor	1.78	1.76	1.65	1.54	1.42	1.30	1.17	1.02	1.00	0.78	0.52	0.26

Technical Notes

1 Direction of air flow is inside to out through the filter element.

2. Differential pressure indicator (65DPIG) fitted as standard to Complete Filters XF241 to XF371F and Filter Modules XFM041 to XFM071. AC filters do not include differential pressure equipment.

3 Activated Carbon Filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO2)..

4 Flanged connections are DN80 PN16 (3") and DN100 PN16 flanged (4"), or ANSI B16.5 class 150 (3") and 150lb (4"). Filters supplied as standard, i.e. XF341F, will be supplied with DN type flanges. For 3" ANSI 150lb and 4" ANSI 150lb flanges add the suffix 'P' to the part number e.g. XF341FPXA. .

5 Threaded connections are Rp (BSP parallel) to ISO 7/1 or NPT to ANSI B2.1 if supplied within North America. For NPT connections add the suffix 'N' e.g. XF241NXA.

6 Filter Modules are supplied without threaded or flanged connection ports and include one set of slim-line connectors to allow multi-banking of filter housings. A Complete Filter or Water Separator must be purchased alongside Filter Module Units for multi-banking.

7 Floor Mounting Brackets available for all models (XFMBK2 and XFMBK3). Wall Mounting Brackets (XFMBK1) available for Complete Filters XF241 to XF371. See page 51 for pricing.

8 Filter elements should be changed every 12 months / 8000 hours (whichever comes first). Activated Carbon filter elements should be changed at least every 6 months.

9 PRO XF Dust filters are fitted as standard with an externally accessible Manual Drain Valve (MDV25) and operate at 16 barg (232 psig) at 120°C (248°F).

PRO XF Water Separators

Models | XF200WS to XF600FWS

Flow Rates:	700 scfm (1189 Nm³/hr) to 1500 scfm (2550 Nm³/hr)
Working pressure:	4 barg to 16 barg
Operating Temperature:	1.5ºC to 120ºC
Connections:	2 to 4 inches

Designed as part of the PRO XF range for high flow applications, the PRO XF Water Separator can be used individually or multi-banked with PRO XF Filter Modules to create a space-saving and cost effective filtration solution - eliminating 99% bulk water with continuously low differential pressure.

- **Energy Saving Operates with consistently low differential pressure, reducing both energy consumption and operating costs**
- **Cost Effective No replacements components are required**
- **Space Saving Modular Construction The PRO XF Water Separator can be installed individually or banked to PRO XF Filter Modules using slim line connectors and one set of inlet and outlet ports**
- **Corrosion Protection Internally and externally EP coated**
- **Externally Accessible Drain Valve Drain valve can be removed externally, without having to gain access to the internal of the filter. Simply unscrew from the bottom and remove**





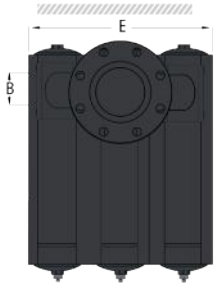


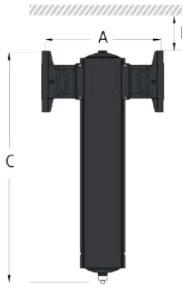


WS Spinner



Floor and Wall Mounting Brackets available



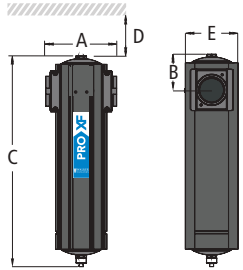




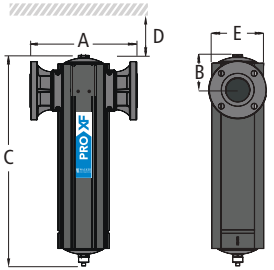
Manual Drain Valve MDV25



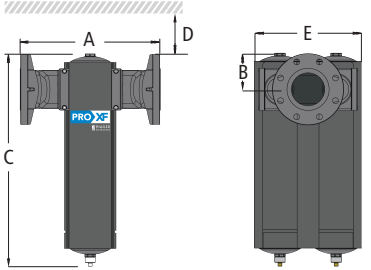
Float Operated Drain Valve ADVS16



XF200WS to XF300WS



XF300FWS



XF400FWS

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Replacements and Spare Parts (refer to page 143)

Complete Filter model	Pipe size inches	Inlet flow rate*		Dimensions mm					Weight Kg	Complete price (£)
		Nm³/h	SCFM	A	B	C	D	E		
XF200WS	2	1189	700	232	116	650	300	171	11.8	
XF250WS	2½	1444	850	232	116	650	300	171	11.8	
XF300WS	3	2550	1500	232	116	650	300	171	11.8	
XF300FWS	3 (DN80)	2550	1500	352	116	650	300	171	15.7	
XF400FWS	4 (DN100)	5097	3000	457	116	650	300	343	29.3	
XF600FWS	6 (DN150)	7646	4500	548	140	1027	950	531	69	

* Rated flow at 7 barg, reference conditions 1 bar (a) 20°C

Pressure correction factor	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure								
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)
7 barg - correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51

Technical Notes

1. Water Separators are fitted as standard with an externally accessible Float Operated Automatic Drain Valves and operate at 16 barg (232 psig) at 80˚C (176˚F). 120˚C (248˚F) operating temperature available when supplied with a Manual Drain Valve. When high quantities of liquids are anticipated, Walker Filtration recommends the use of Electronic Drain Valves.
2. Water Separators can be multi-banked to appropriate PRO XF Filter Modules using the slim-line connectors that are supplied with each Filter Module.
3. Flanged connections are DN80 PN16 (3") and DN100 PN16 flanged (4"), or ANSI B16.5 class 150 (3") and 150lb (4"). Filters supplied as standard, i.e. XF341F will be supplied with DN type flanges.For 3" ANSI 150lb and 4" ANSI 150lb (4") flanges add the suffix 'P' to the part number e.g. XF341FPXA.
4. Threaded connections are Rp (BSP parallel) to ISO 7/1 or NPT to ANSI B2.1 if supplied within North America. For NPT connections add the suffix 'N' e.g. XF241NXA.



Fabircated Flanged Filtration

Constructed from robust carbon steel, all flanged housings are fitted with a dual-sided differential pressure indicator for easy viewing. Permanent drainage is provided by the side mounted drain port.Oleophobic borosilicate media and a custom engineered anti-re-entrainment layer guarantees exceptional dirt holding and drainage capabilities.

Our flanged range is perfect for installation downstream of regenerative air and gas dryers. Fabricated Flanged Particulate Filters are available in 5 grades to suit your application and operate in reverse flow, with flows of up to 15000 SCFM (2160 Nm³/hr – 25500 Nm³/hr).

Our unique media construction guarantees exceptional dirt holding, improved drainage, and minimal pressure drop. A deep bed of oleophobic borosilicate media finished with a custom engineered anti re-entrainment layer delivers reliable filtration with improved efficiency.

Our Fabricated Flanged Filters are robust and corrosion resistant thanks to their carbon construction and Walker E-Coat finish. Dual sided differential pressure indicators are fitted as standard for easy viewing. All models are also fitted with a side mounted drain port for permanent drainage.

High Quality Applications


Vacuum Packaging


Automotive


Industrial Cleaning


Plastics


Foundries


Medical


Dental


Power Generation


Oil & Gas


Military


Pneumatic Conveying


Transit


Paper & Printing


Laser Cutting


General Industry

Critical Applications


Electronics


Food Production


Pharmaceutical


Beverages & Breweries


Instrumentation


Critical Component Manufacturing

Dewpoint temperature	Application
-74°C (-100°F)	Highly critical applications (e.g.) semiconductor industry / electronic industry
-40°C (-40°F)	Effective point of use (e.g.) general industry (standard pressure dewpoint)
-20°C (-4°F)	Specialist use including some breathing air applications

Accessories

To accompany our standard range, we supply a comprehensive range of spares and accessories, starting on page 152



Fabricated Flanged Water Separator

Models | A391WS to A1200WS

Flow Rates:	1270 SCFM (2160Nm³/hr) to 15000 SCFM (25500 Nm³/hr)
Working pressure:	4 barg to 16 barg
Operating Temperature:	1ºC to 120ºC
Connections:	3 to 12 inches

For compressed air installations where water contamination is a problem, Walker Filtration manufactures a range of Water Separators which utilise an internal centrifugal module to remove large quantities of condensate.

- **Tough and durable lifting eye facilitates installation.**
- **Robust carbon steel housing for added Robust carbon steel housing**
- **Deep bed borosilicate glass microfibre media with custom engineered anti re-entrainment layer delivers reliable filtration with improved efficiency**
- **Side mounted drain port fitted as standard on all models to provide drainage**
- **Designed to EN 286-1 and compliant to SPVD (87/404/EEC)**
- **Available in five filtration grades to suit your application and operate in reverse flow conditions.**

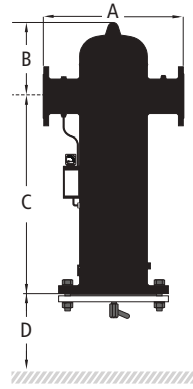




WS Spinner



Manual Drain Valve
MDV25



A391 WS to A1200 MS

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Replacements and Spare Parts (refer to page 143)

Fabricated Flanged Water Separator

Filter model	Pipe size inches	Inlet flow rate*		Dimensions mm				Weight Kg	Complete price (£)	Packaging price (£)
		Nm^3/h	SCFM	A	B	C	D			
A391WS	3 (DN80)	2160	1270	450	300	940	N/A	58.0		
A400WS	4 (DN100)	3100	1824	520	300	960	N/A	74.0		
A600WS	6 (DN150)	6500	3824	680	400	1000	N/A	165.0		
A800WS	8 (DN200)	11000	6470	780	440	1060	N/A	260.0		
A1000WS	10 (DN250)	17000	10000	900	530	1100	N/A	450.0		
A1200WS	12 (DN300)	25500	15000	900	600	1100	N/A	550.0		

*Rated flow at 7 barg, reference conditions 1 bar (a) 20°C

Grade	WS	
Maximum recommended operating temperature	120ºC	248ºF
Minimum recommended operating temperature	1ºC	34ºF
Maximum working pressure	16 barg	232 psig

Pressure correction factor	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure								
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)
7 barg - correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51

Technical Notes

1 Water Separators are fitted with ½" Manual Drain Valves from A391WS to A1200WS..
2. An additional ½" side entry port is included on models A391WS to A1200WS.
3 Flanged vessels are designed and manufactured in accordance with BS EN 286 Part 1 and meet the Simple Pressure Vessels Directive.
4 Cross port dimensions on flanged vessels are subject to a manufacturing tolerance of +/- 3mm and a squareness tolerance of 1 degree.
5 Flanged connections are complete with mating flanges to BS4504, PN16. ANSI Flanges available on request. Please contact Walker Filtration.

Fabricated Flanged Coalescing Filters

Models | A391 to A12824

Flow Rates:	1270 SCFM (2160Nm³/hr) to 15000 SCFM (25500 Nm³/hr)
Working pressure:	0.3 barg to 16 barg
Operating Temperature:	1ºC to 120ºC
Connections:	3 to 12 inches

Walker Filtration Flanged Filters are an ideal solution for larger flow applications, guaranteeing the highest levels of air and gas quality. Grades include X25, X5, X1, XA and AC.

- **Tough and durable lifting eye facilitates installation.**
- **Robust carbon steel housing for added Robust carbon steel housing**
- **Deep bed borosilicate glass microfibre media with custom engineered anti re-entrainment layer delivers reliable filtration with improved efficiency**
- **Side mounted drain port fitted as standard on all models to provide drainage**
- **Designed to EN 286-1 and compliant to SPVD (87/404/EEC)**
- **Available in five filtration grades to suit your application and operate in reverse flow conditions.**





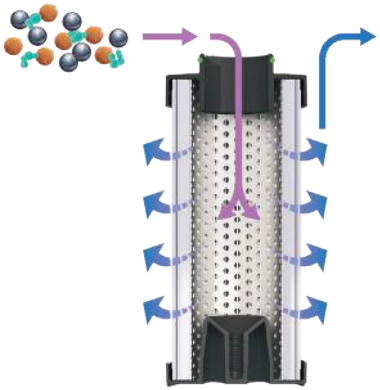
Differential Pressure Indicator 65DPIG



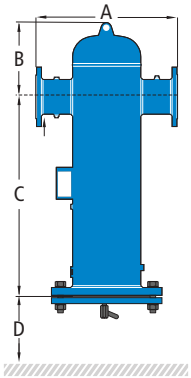
Filter Element
X25 (25 micron)
X5 (5 micron)
X1 (1 micron)
XA (0.01 micron)
AC (0.01 micron)



Manual Drain Valve
MDV50



Coalescing;
Flows inside to out



A391 to A12824

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Replacements and Spare Parts (refer to page 143)

Fabricated Flanged Coalescing Filters

Filter model	Pipe size inches	Inlet flow rate*		Dimensions mm				Weight Kg	Complete price (£)	Packaging price (£)	Element model	Element price (£ each)	No. of elements
		Nm³/h	SCFM	A	B	C	D						
A391 (grade)	3 (DN80)	2160	1270	450	265	1205	700	58.0			**E139 (grade)**		1
A483 (grade)	4 (DN100)	3100	1824	520	285	1245	700	74.0			**E88 (grade)**		3
A484 (grade)	4 (DN100)	4250	2500	520	285	1245	700	74.0			**E88 (grade)**		4
A686 (grade)	6 (DN150)	6500	3824	680	400	1400	700	165.0			**E88 (grade)**		6
A688 (grade)	6 (DN150)	8720	5130	780	400	1430	700	208.0			**E88 (grade)**		8
A8810 (grade)	8 (DN200)	11000	6470	780	400	1460	700	260.0			**E88 (grade)**		10
A10816 (grade)	10 (DN250)	17000	10000	900	550	1570	700	450.0			**E88 (grade)**		16
A12824 (grade)	12 (DN300)	25500	15000	900	600	1620	700	740.0			**E88 (grade)**		24

*Rated flow at 7 barg, reference conditions 1 bar (a) 20°C

Grade	X25		X5		X1		XA		AC	
Particle removal	25 micron		5 micron		1 micron		0.01 micron		0.01 micron	
Maximum particle size class**	-		3		2		1		1	
Maximum oil content	-		4		2		1		1	
Maximum oil carryover at 20°C (68°F)	10 mg/m³		5 mg/m³		0.1 mg/m³		0.01 mg/m³		0.003 mg/m³	
Pressure loss: clean and dry	30 mbar	0.4 psi	40 mbar	0.6 psi	75 mbar	1.1 psi	100 mbar	1.5 psi	75 mbar	1.1 psi
Pressure loss: saturated	50 mbar	6 psi	75 mbar	1.1 psi	150 mbar	2.2 psi	300 mbar	4.4 psi	-	
Pressure loss: element change	-	6 psi	400 mbar	6 psi	400 mbar	6 psi	400 mbar	6 psi	at least every 6 months	
Maximum temperature	120°C	248°F	120°C	248°F	120°C	248°F	120°C	248°F	50°C***	122°F***
Maximum working pressure	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig
Element end cap colour	Black									

** to ISO 8573-1:2010

*** Recommended operating temperature 25°C (77°F)

Pressure correction factor	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure pressure								
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)
7 barg - correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51

Technical Notes

1 Direction of air flow is inside to out through the filter element.

2. Differential Pressure Indicator (65DPIG) is fitted to models A391 to A12824. AC grade filters do not include differential pressure equipment.

3 Flanged filters are fitted with manual drain valves. On models A391 to A8810, ½" drain valves are fitted; on models A10816 to A12824 ¾" drain valves are fitted.

4 An additional ½" side entry port is included on models A391 to A8810, ¾" for A10816 and A12824.

5 Activated Carbon Filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO_2).

6 Flanged vessels are designed and manufactured in accordance with BS EN 286 Part 1 and meet the Simple Pressure Vessels Directive.

7 Cross port dimensions on flanged vessels are subject to a manufacturing tolerance of +/- 3mm and a squareness tolerance of 1 degree.

8 Flanged connections are complete with mating flanges to BS4504, PN16.

9 Filter elements should be changed every 12 months / 8000 hours (whichever comes first). Activated Carbon filter elements should be changed at least every 6 months

Fabricated Flanged Particulate Filters

Models | A391 to A12824

Flow Rates:	1270 SCFM (2160Nm³/hr) to 15000 SCFM (25500 Nm³/hr)
Working pressure:	4 barg to 16 barg
Operating Temperature:	1ºC to 120ºC
Connections:	3 to 12 inches

The Alpha Series Flanged Dust Filters, designed to meet the Simple Pressure Vessels Directive, offer the ultimate filtration solution. Grades include RX25, RX5, RX1, RXA and RAC.

- **Tough and durable lifting eye facilitates installation.**
- **Robust carbon steel housing for added Robust carbon steel housing**
- **Deep bed borosilicate glass microfibre media with custom engineered anti re-entrainment layer delivers reliable filtration with improved efficiency**
- **Side mounted drain port fitted as standard on all models to provide drainage**
- **Designed to EN 286-1 and compliant to SPVD (87/404/EEC)**
- **Available in five filtration grades to suit your application and operate in reverse flow conditions**

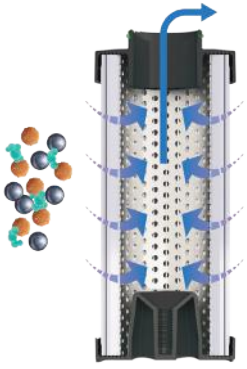




Differential Pressure Indicator 65DPIG



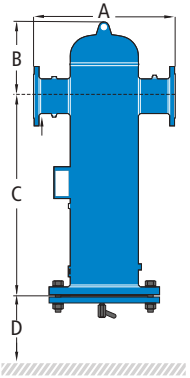
Filter Element
RX25 (25 micron)
RX5 (5 micron)
RX1 (1 micron)
RXA (0.01 micron)
RAC (0.01 micron)



Particulate;
Flows outside to in



Manual Drain Valve
MDV50



A391 to A12824

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Replacements and Spare Parts (refer to page 143)

Fabricated Flanged Particulate Filters

Filter model	Pipe size inches	Inlet flow rate*		Dimensions mm				Weight Kg	Complete price (£)	Packaging price (£)	Element model	Element price (£ each)	No. of elements
		Nm³/h	SCFM	A	B	C	D						
A391 (grade)	3 (DN80)	2160	1270	450	265	1205	700	58.0			**E139 (grade)**		1
A483 (grade)	4 (DN100)	3100	1824	520	285	1245	700	74.0			**E88 (grade)**		3
A484 (grade)	4 (DN100)	4250	2500	520	285	1245	700	74.0			**E88 (grade)**		4
A686 (grade)	6 (DN150)	6500	3824	680	400	1400	700	165.0			**E88 (grade)**		6
A688 (grade)	6 (DN150)	8720	5130	780	400	1430	700	208.0			**E88 (grade)**		8
A8810 (grade)	8 (DN200)	11000	6470	780	400	1460	700	260.0			**E88 (grade)**		10
A10816 (grade)	10 (DN250)	17000	10000	900	550	1570	700	450.0			**E88 (grade)**		16
A12824 (grade)	12 (DN300)	25500	15000	900	600	1620	700	740.0			**E88 (grade)**		24

* Rated flow at 7 barg, reference conditions 1 bar (a) 20°C

Grade	RX25		RX5		RX1		RXA		RAC	
Particle removal	25 micron		5 micron		1 micron		0.01 micron		0.01 micron	
Maximum particle size class**	-		3		2		1		1	
Maximum oil carryover at 20°C (68°F)	-		-		-		-		0.003 mg/m³	
Pressure loss: clean and dry	30 mbar	0.4 psi	40 mbar	0.6 psi	75 mbar	1.1 psi	100 mbar	1.5 psi	75 mbar	1.1 psi
Pressure loss: element change	400 mbar	6 psi	400 mbar	6 psi	400 mbar	6 psi	400 mbar	6 psi	at least every 6 months	
Maximum temperature	120°C	248°F	120°C	248°F	120°C	248°F	120°C	248°F	50°C***	122°F***
Maximum working pressure	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig
Element end cap colour	Black									

** to ISO 8573-1:2010

*** Recommended operating temperature 25°C (77°F)

Pressure correction factor	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure								
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)
7 barg - correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51

Technical Notes

1 Direction of air flow is inside to out through the filter element.

2. Differential Pressure Indicator (65DPIG) is fitted to models A391 to A12824. AC grade filters do not include differential pressure equipment.

3 Flanged filters are fitted with manual drain valves. On models A391 to A8810, ½" drain valves are fitted; on models A10816 to A12824 ¾" drain valves are fitted.

4 An additional ½" side entry port is included on models A391 to A8810, ¾" for A10816 and A12824.

5 Activated Carbon Filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO_2).

6 Flanged vessels are designed and manufactured in accordance with BS EN 286 Part 1 and meet the Simple Pressure Vessels Directive.

7 Cross port dimensions on flanged vessels are subject to a manufacturing tolerance of +/- 3mm and a squareness tolerance of 1 degree.

8 Flanged connections are complete with mating flanges to BS4504, PN16.

9 Filter elements should be changed every 12 months / 8000 hours (whichever comes first). Activated Carbon filter elements should be changed at least every 6 months

Fabricated Flanged Medical Vacuum Filters

Models | A391MV to A686MV

Flow Rates:	194 SCFM (330Nm3/h) to 388 SCFM (660Nm3/h)
Working pressure:	0.5 barg
Operating Temperature:	60ºC
Connections:	3 to 6 inches

Walker Filtration Fabricated Flanged Medical Vacuum Filters are an ideal solution for larger flow applications, designed to protect centralised hospital vacuum plant installations from liquid, solid and bacterial contamination.

- **High Efficiency Medical Grade Filter Element Custom engineered filter media and deep pleat element technology provides minimal pressure loss and filtration efficiencies in excess of international medical gas standards**
- **International Medical Gas Standard Designed in accordance with global medical gas pipeline systems standards ISO 7396-1, HTM 02-01, NFPA 99 and AS 2896**
- **Advanced Filtration Technology Low pressure loss borosilicate glass microfiber-media and open cell reticulated foam pre-filtration layer captures particulates, bacteria and liquid aerosols reducing energy consumption and overall system costs for low total cost of ownership**
- **Corrosion Protection Internal and external electrophoretic painting followed by a tough exterior polyester powder coating**
- **Product Safety in Mind Quality design and build. Flanged vessels are designed and manufactured in accordance with BSEN286**

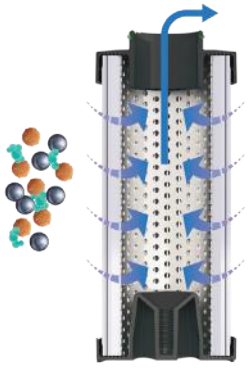




Differential Pressure Gauge 65DPG250B



MV Element



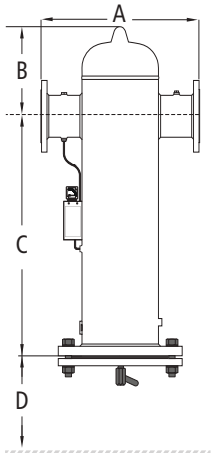
Particulate; Flows outside to in

Manual Drain Valve MDV25





Glass Flask - MLA250



A391 MV to A686 MV

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Replacements and Spare Parts (refer to page 143)

Fabricated Flanged Medical Vacuum Filters

Filter model	Pipe size inches	Inlet flow rate*		Dimensions mm				Weight Kg	Complete price (£)	Packaging price (£)	Element model	Element price (£ each)	No. of elements
		Nm³/h	SCFM	A	B	C	D						
A391MV	3 (DN80)	330	194	450	300	940	700	58.0			**E139 (grade)**		1
A483MV	4 (DN100)	406	238	520	300	960	700	74.0			**E88 (grade)**		3
A484MV	4 (DN100)	492	289	520	300	960	700	74.0			**E88 (grade)**		4
A686MV	6 (DN150)	660	388	680	400	1000	700	165.0			**E88 (grade)**		6

*Rated flow at 101.325kPa (1013.25 mbar(a)), 20°C

Grade	MV
Particle removal efficiency	>99.995%**
Maximum temperature	60°C (140°F)
Pressure loss - clean & dry	≤ 3 kPa (30 mbar / 0.44 psig)
Maximum working pressure	0.5 barg (7 psig)
Maximum working vacuum	Full Vacuum
Element end cap colour	**Black**

**In accordance with BS3928:1969

Pressure correction factor		for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure								
Operating vacuum	mbar abs	atmospheric	900	800	700	600	500	400	300	200
	Torr	760	675	600	525	450	375	300	225	150
	psia	14.7	13.0	11.6	10.2	8.7	7.3	5.8	3.3	2.9
Correction factor		1.00	0.93	0.86	0.79	0.71	0.64	0.57	0.5	0.43

Technical Notes

1 Direction of air flow is inside to out through the filter element.
2. Differential Pressure Gauge (65DPG250B) is fitted to all flanged models.
3 Sterilisable glass drain flasks are supplied as standard. An additional ½" side entry drain port is included on models A391MV to A686MV.
4 Flow rates shown above are free air conditions when operating at atmospheric pressure.
5 Pressure for leak testing purposes MUST be limited to 7 barg and only applied with the drain valve and drain flask REMOVED.
6 Flanged filters are fabricated in carbon steel with a polyester protective coating.
7 Flanged vessels are designed and manufactured in accordance with BS EN286 and meet the Simple Pressure Vessels Directive.
8 Flanged connections are complete with mating flanges to BS4504, PN16.
9 Cross port dimensions on flanged vessels are subject to a manufacturing tolerance of +/- 3mm and a squareness tolerance of 1 degree.

Laservac:

Electro & Laser Surgery Smoke Evacuation System

Models | LV750

Flow Rates:	300L/m (10scfm) with the speed control on minimum 750L/m (26scfm) when on maximum
Efficiency:	99.9999% efficiency at 0.12 micron
Operating:	High capacity motor runs on a single phase 110/120V-60Hz or 220/240V-50Hz electrical supply
Connections:	Standard connection hose of 22mm (7/8")

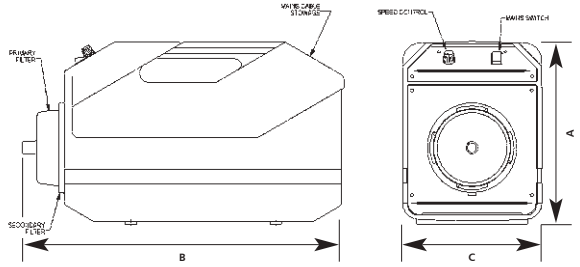
At the heart of every Laservac smoke evacuation system is a high efficiency three-stage filtration system. Two individual filters; a primary filter and a secondary 2-stage filter make-up the filtration system. The optimised primary filter acts as a pre-filter to the secondary filter, protecting it from gross particulate contamination. The secondary filter is a high efficiency 2-stage filter that collects 99.9999% of particles down to 0.01 micron in size.

- **Quiet, with variable flow control**
- **Flexible Installation: Modular design and accessible fixings enable simple close coupling assembly**
- **Noise: <60dbA when measured at 1 metre**
- **The electrical system conforms to CAN\ CSAC22.2 No 601.1-M90 Category 245&UL-544/ ETL Product Category 6 for Medical and Dental Equipment.**
- **Conforms to international medical equipment standards**
- **Primary filter life of 2 hours, secondary filter life of 6 months**
- **Comes complete with 'Starter Pack'**

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Laservac™





Laservac - Electro & Laser Surgery Smoke Evacuation System

Smoke Evacuation Systems									
Model	Dimensions mm (“)			Weight KG	Complete price (£)	Filters	Part Number	Quantity	Price (£)
	A	B	C						
LV750	320	560	250	13.5		Primary Filter	LVPF750	6	
						Secondary Filter	LVSF750	1	

* Ex Works: Prices shown are ex-works and include packing. An extra charge is made for carriage. Prices are Operating manuals are included with each model. Starter packs are included with each machine.

Filters for Previous Laservac Systems	Filters	Part Number	Quantity	Price (£)
Laservac 40	Primary Filter	LVF1	6	
Laservac 100	Primary Filter	LVF1	6	
	Exhaust Filter	LVF4	1	
Laservac 105	Primary Filter	LVF1	6	
	Secondary Filter	LVF7	1	
	Exhaust Filter	LVF4	1	
	Pump Intake Filter	LVF6	1	
Laservac 400	Primary Filter	LVF1	6	
	Secondary Filter	LVF2	1	
	Exhaust Filter	LVF3	1	
Laservac 550D	Primary Filter	LVF1	6	
	Secondary Filter	LVF7	1	
	Exhaust Filter	LVF4	1	
	Pump Intake Filter	LVF6	1	
Laservac 850	Primary Filter	LVPF850	6	
	Secondary Filter	LVSF850	1	
	Liquid Trap	LVLT850	3	
	Erbium Liquid Trap	LVLTE850	3	

Disposables			
Product Description	Part	Quantity	Price (£)
Transfer Tube (1.5m / 22mm bore)	LVTU2215	6	
Transfer Tube (2.0m / 22mm bore)	LVTU2220	6	
Erbium Transfer Tube (2.0m / 32mm bore) - LV850 model only	LVTU3220	3	
Catheter Tube (1.0m / 7mm bore)	LVTU0710	6	
Catheter Tube (2.0m / 7mm bore)	LVTU0720	6	
Tube Connector	LVTC2207	6	
Suction Wand	LVWA22PL	6	
Collection Funnel (22mm bore)	LVFU22	6	
Erbium Collection Funnel (32mm bore) - LV850 model only	LVFU32	3	

Walker Filtration's SmartSep Oil Water Separators deliver reliable separation in line with purity standards for the highest performing compressed air system.

Simplified Solutions for Condensate Management

The SmartSep Oil-Water Separator features a wide range of models engineered to fit your compressed air system usage and eliminate oil in condensate down to the last drop.

For Everyday Separation and Synthetic Condensate Jobs

Organoclay filters use organically modified clay to separate strong oil-water emulsions and trap a wider range of particles than traditional carbon filters, including those found in compressed air systems that use synthetic oils during production. All separators in the SmartSep series contain Organoclay cartridges that purify condensate to an oil trace as low as 5 mg/m³ to ensure peak compressor performance with minimal environmental impact.

Organoclay cartridges ensure that the SmartSep exceeds current and future environmental regulations as water conservation efforts become more stringent.

Environmentally-conscious Condensate

Environmental compliance eliminates costly violations, while long service periods help save money on frequent upkeep of equipment.

Economic and eco-friendly: the choice in efficient oil-water separation has never been more clear.

Improper disposal of oil condensate created by compressed air systems can disrupt environmental preservation efforts and lead to costly fines from local and federal environmental agencies.

Complete filter ranges for the toughest emulsions.

Unlike other oil water separators that rely solely on gravitational separation, our multi-stage filtration system ensures lesser risks for oil spills or concerns caused by stagnant or contaminated water. With the SmartSep Oil-Water Separator, discharged condensate produced by the device can be drained away directly into the sewer.



SmartSep





Multi-step Filtration

1. Condensate enters the unit via inlet(s), passes through a diffuser, and depressurises in the first expansion chamber.
2. In this part of the diffuser, bigger, solid particles are filtered from the condensate.
3. Traveling to the first filter chamber, oil is captured from the condensate by the polypropylene filter.
4. This large, first chamber creates a natural second filtration stage where oil droplets can separate from the water and rise to the top of the chamber. They are absorbed by the floating polypropylene filter bag.
5. Condensate continues to flow into the second chamber.
6. The Organoclay filter separates the remaining oil from the condensate before moving from the second chamber.
7. The remaining clean condensate can be safely routed from the exit valve into the sewer system with an oil trace as low as 5 mg/m³.

Adapt and Maintain

The SmartSep Oil-Water Separator Series provides up to 4,000 hours of service, regardless of model number and size, to reduce maintenance frequency and meet all filtration needs.

The SmartSep has multiple features that adjust to the setup of your compressed air system. The SSEP0032M and SSEP0066M are single-use models. For a space-saving option, wall-mounting systems are available for the smaller units. Models SSEP0132 to SSEP1655 use dual-stage filtration, while models SSEP3311 and SSEP6621 use three-stage filtration. A flow divider comes as standard with the SSEP6621 to evenly split condensate between two oil-water separator units.

The SmartService Overflow Indicator signals feature unique saturation and overflow pop-up indicators. The green indicator signals when the polypropylene filter is fully saturated, and needs to be replaced. The red indicator notifies users that emulsions are flowing too quickly, and that the inlet needs to reregulate.



Multi-stage Filtration at its Finest

Utilising multiple filtration stages, the Walker Filtration SmartSep is the state-of-the-art choice in oil-water separation technology.

Stage One features polypropylene bags that are safe to use within oil-water separators and are ideal for allowing water to pass through, while maintaining heavier oil droplets within.

Stage Two features an added element of filtration with Organoclay filters, eliminating residual oil within the condensate.



Walker Filtration provides a reliable separation solution, leaving condensate clean for easy disposal.

SmartSep Oil Water Separator

Models | SSEP0032M to SSEP6621

Flow Rates:	45 scfm (77 Nm³/hr) to 360 scfm (612 Nm³/hr)
Working pressure:	3 barg to 13 barg
Operating Temperature:	1.5ºC to 50ºC
Connections:	1 to 1½ inches

Compact and efficient, the Walker Filtration SmartSep Oil-Water Separator Series is engineered to ensure the highest levels of condensate purity through a multi-stage filtration system. Its 4,000-hour service interval indicator and Smart Service Overflow Indicator help eliminate costly external service testing and overall maintenance frequency.

- **Cost Saving Extended service periods and environmental compliance helps save money on frequent upkeep and costly violations**
- **Simple Service Sensory overflow indicator, external test valve, and easy to swap polypropylene bags and cartridges save time on overall product maintenance**
- **Comprehensive Range Various sizes and a compact design allow for the perfect fit for your compressed air system**
- **Space Saver Manifold inlets for multiple condensate lines and wall brackets for small systems save space in compressor rooms**

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SmartSep

Model	Max capacity - Mild climate without dryer & filters*			Max capacity - Mild climate with dryer & filters*			Dimensions			Weight		Connections		List Price (£)
	Nm³/hr	l/s	SCFM	Nm³/hr	l/s	SCFM	Depth mm (in)	Width mm (in)	Height mm (in)	kg	lbs	Condensate inlet	Water outlet	
SSEP0032M	54	15	32	43	12	25	250 (10)	147 (6)	216 (9)	2.4	5.3	6mm (1/4")**	10mm (3/8")**	
SSEP0066M	113	31	66	90	25	53	250 (10)	147 (6)	216 (9)	3.0	6.6	6mm (1/4")**	10mm (3/8")**	
SSEP0132	225	63	132	180	50	106	390 (15)	278 (11)	428 (17)	7.5	12.7	2 x 1/2"	1/2"	
SSEP0225	383	106	225	306	85	180	397 (16)	278 (11)	507 (20)	10.8	23.8	2 x 1/2"	1/2"	
SSEP0450	765	213	450	612	170	360	490 (19)	396 (16)	576 (23)	17.4	38.4	2 x 1/2"	1/2"	
SSEP0795	1350	375	795	1080	300	636	583 (23)	446 (18)	721 (28)	32.4	71.4	2 x 3/4"	3/4"	
SSEP1655	2813	781	1655	2250	625	1324	692 (27)	568 (22)	970 (38)	55.9	123.2	2 x 3/4"	3/4"	
SSEP3311	5625	1563	3311	4499	1250	2648	975 (38)	782 (31)	1000 (39)	115.0	253.5	2 x 3/4"	3/4"	
SSEP6621	11250	3125	6621	8998	2500	5296	2 x 975 (38)	2 x 782 (31)	2 x 1000 (39)	240.0	528.1	2 x 3/4"	3/4"	

*Rated capacities based upon 12 hour/day operation, 60% relative humidity, ambient temperature of 77°F (25°C) & system operating pressure of 100 psig (7 barg)
**Inlet and outlet connections available in either imperial 1/4" and 3/8", respectively or 6mm and 10mm, respectively. Standard product comes with imperial connection. For metric option, replace the N designator at the end of the part number with an M - example SSEP0032M.

Service Kit Part Number	Services SmartSep Model	Description	Price (£)
SSEPSK0132	SSEP0132	4000 hour service kit including replacement filter bags and organoclay cartridge	
SSEPSK0225	SSEP0225		
SSEPSK0450	SSEP0450		
SSEPSK0795	SSEP0795		
SSEPSK1655	SSEP1655		
SSEPSK3311	SSEP3311		
SSEPSK6621	SSEP6621		

Accessory Part Number	Description	Price (£)
SSEPM1	Manifold for models SSEP0132 up to SSEP0450	
SSEPM2	Manifold for models SSEP0795 up to SSEP6621	
SSEPMBK1	Wall mounting kit (for sizes 54 Nm³/hr - 113 Nm³/hr)	

Oil Water Separator Alternative Service Kits

Walker Filtration provides a comprehensive range of service kits for oil-water separators. Our extensive range of alternative service kits are manufactured with high quality materials for an efficient and environmentally friendly condensate management system.

Walker Model	OEM Brand	OEM Separator Part No.	Replaces OEM Media Kit Part No.	Price (£)
OWSK0030	Beko	KT 05	XVKT 05 AF1	
OWSK0040	Beko	KT 020	XVKT 20 AF1	
OWSK0050	Beko	OWAMAT 1	XVKT 02 AF1	
OWSK0050	Beko	OWAMAT 2	XVKT 02 AF1	
OWSK0060	Beko	OWAMAT 3	XVKT 03 AF1	
OWSK0070	Beko	OWAMAT 4	XVKT 04 AF1	
OWSK0080	Beko	OWAMAT 5R	XVKT 05 RAF1	
OWSK0090	Beko	OWAMAT 6	XVKT 06 AF1	
OWSK0100	Beko	OWAMAT 8	XVKT 08 AF1	
OWSK0030	Boge	KT 05	XVKT 05 AF1	
OWSK0040	Boge	KT 020	XVKT 20 AF1	
OWSK0050	Boge	OWAMAT 1	-	
OWSK0050	Boge	OWAMAT 2	-	
OWSK0060	Boge	OWAMAT 3	-	
OWSK0070	Boge	OWAMAT 4	-	
OWSK0080	Boge	OWAMAT 5R	-	
OWSK0090	Boge	OWAMAT 6	-	
OWSK0100	Boge	OWAMAT 8	-	
OWSK0110	Boge	OKOMAT 5	-	
OWSK0120	Boge	OKOMAT 10	-	
OWSK0130	Boge	OKOMAT 15	-	
OWSK0140	Boge	OKOMAT 30	-	
OWSK0150	Boge	OKOMAT 60	-	
OWSK0160	Boge	OKOMAT 120	-	
OWSK0180	Boge	CC 4	-	
OWSK0190	Boge	CC 8	-	
OWSK0200	Boge	CC 20	-	
OWSK0210	Boge	CC 35	-	
OWSK0010	Comp Air	CS2100	CSCP1	
OWSK0010	Comp Air	CS2150	CSCP1	
OWSK0010	Comp Air	CS2200	CSCP1	
OWSK0010	Comp Air	CS2300	CSCP2	
OWSK0012	Comp Air	CS2400	CSCP2 (1)	
OWSK0020	Comp Air	CS2500	CSCP3	
OWSK0020	Comp Air	CS2600	CSCP3 (x2)	
OWSK0010	Domnick Hunter	2010	ESMK 1/2	
OWSK0010	Domnick Hunter	ES 2100	ESMK 1/2	
OWSK0010	Domnick Hunter	ES 2150	ESMK 1/2	
OWSK0010	Domnick Hunter	ES 2200	ESMK 1/2	
OWSK0010	Domnick Hunter	ES 2300	ESMK 1/2	
OWSK0010	Domnick Hunter	KME 1010	ESMK 1/2	

Oil Water Separator Alternative Service Kits

Walker Model	OEM Brand	OEM Separator Part No.	Replaces OEM Media Kit Part No.	Price (£)
OWSK0012	Domnick Hunter	ES 2400 (2)	ESMK 1/2 (1)	
OWSK0020	Domnick Hunter	ES 2500	ESMK 3	
OWSK0020	Domnick Hunter	ES 2600 (2)	ESMK 3 (x2)	
OWSK0110	Donaldson	DSO070	-	
OWSK0120	Donaldson	DSO145	-	
OWSK0130	Donaldson	DSO265	-	
OWSK0140	Donaldson	DSO530	-	
OWSK0150	Donaldson	DSO1060	-	
OWSK0160	Donaldson	DSO2120	-	
CFPK0010	Donaldson-Ultrafilter	UFS 7.5 P	A-P7.5 or 1C330765	
CFPK0020	Donaldson-Ultrafilter	UFS 15 P	A-P15 or 1C330766	
CFPK0030	Donaldson-Ultrafilter	UFS 30 P	A-P30 or 1C330108	
CFPK0040	Donaldson-Ultrafilter	UFS 60 P	A-P60 or 1C330116	
CFPK0050	Donaldson-Ultrafilter	UFS 120 P	A-P120 or 2x 1C330116	
OWSK0110	Donaldson-Ultrafilter	UFS 5 SP	A-SP5 or 1C331154	
OWSK0120	Donaldson-Ultrafilter	UFS 7.5 SP	A-SP7.5	
OWSK0120	Donaldson-Ultrafilter	UFS 10 SP	A-SP10 or 1C330821	
OWSK0130	Donaldson-Ultrafilter	UFS 15 SP	A-SP15 or 1C330831	
OWSK0140	Donaldson-Ultrafilter	UFS 30 SP	A-SP30 or 1C330841	
OWSK0150	Donaldson-Ultrafilter	UFS 60 SP	A-SP60 or 1C330851	
OWSK0160	Donaldson-Ultrafilter	UFS 120 SP	A-SP120 or 2x 1C330851	
OWSK0110	Gardner Denver	GDW 5	-	
OWSK0120	Gardner Denver	GDW 10	-	
OWSK0130	Gardner Denver	GDW 15	-	
OWSK0140	Gardner Denver	GDW 30	-	
OWSK0150	Gardner Denver	GDW 60	-	
OWSK0010	Ingersoll Rand	ECS 6	38019444	
OWSK0010	Ingersoll Rand	ECS 12	38019444	
OWSK0010	Ingersoll Rand	ECS 18	38019444	
OWSK0010	Ingersoll Rand	ECS 24	38019451	
OWSK0012	Ingersoll Rand	ECS 30 (2)	38019451 (1)	
OWSK0020	Ingersoll Rand	ECS 36	38019469	
OWSK0020	Ingersoll Rand	ECS 42 (2)	38019469 (x2)	
CE0070	Jorc	Enviro	95011	
OWSK0220	Jorc	Sepremium 5	-	
OWSK0230	Jorc	Sepremium 10	-	
OWSK0240	Jorc	Sepremium 20	-	
OWSK0250	Jorc	Sepremium 30	-	
PAE0090	Jorc	Puro Mini	95132	
CE0080	Jorc	Puro Mini	95133	
OWSK0180	Jorc	Puro Mini	-	

Walker Model	OEM Brand	OEM Separator Part No.	Replaces OEM Media Kit Part No.	Price (£)
PAE0100	Jorc	Puro	95092	
CE0090	Jorc	Puro	95093	
OWSK0190	Jorc	Puro	-	
PAE0110	Jorc	Puro Midi	95122	
CE0100	Jorc	Puro Midi	95123	
OWSK0200	Jorc	Puro Midi	-	
PAE0120	Jorc	Puro Grand	95102	
CE0110	Jorc	Puro Grand	95103	
OWSK0210	Jorc	Puro Grand	-	
OWSK0050	Kaeser	Aquamat 1	-	
OWSK0050	Kaeser	Aquamat 2	-	
OWSK0060	Kaeser	Aquamat 3	-	
OWSK0070	Kaeser	Aquamat 4	-	
OWSK0080	Kaeser	Aquamat 5R	-	
OWSK0090	Kaeser	Aquamat 6	-	
OWSK0100	Kaeser	Aquamat 8	-	
OWSK0110	Kaeser	MK-75	CMS-75	
OWSK0120	Kaeser	MK-150	CMS-150	
OWSK0130	Kaeser	MK-260	CMS-260	
OWSK0140	Kaeser	MK-520	CMS-520	
OWSK0150	Kaeser	MK-2060	CMS-2060	
OWSK0160	Kaeser	MK-2060D	CMS-2060D	
OWSK0010	Zander	SL 1	SLMK1/2 or ESMK1/2	
OWSK0010	Zander	SL 2	SLMK1/2 or ESMK1/2	
OWSK0010	Zander	SL 5	SLMK1/2 or ESMK1/2	
OWSK0010	Zander	SL 8	SLMK1/2 or ESMK1/2	
OWSK0010	Zander	SL 100	SLMK1/2 or ESMK1/2	
OWSK0010	Zander	SL 150	SLMK1/2 or ESMK1/2	
OWSK0010	Zander	SL 200	SLMK1/2 or ESMK1/2	
OWSK0010	Zander	SL 300	SLMK1/2 or ESMK1/2	
OWSK0012	Zander	SL 15	SLMK1/2 or ESMK1/2 (1)	
OWSK0012	Zander	SL 400	SLMK1/2 or ESMK1/2 (1)	
OWSK0020	Zander	SL 30	SLMK3 or ESMK3	
OWSK0020	Zander	SL 500	SLMK3 or ESMK3	
OWSK0020	Zander	SL 60	SLMK3 or ESMK3 (x2)	
OWSK0020	Zander	SL 600	SLMK3 or ESMK3 (x2)	
OWSK0180	Zander	-	WTK1	
OWSK0210	Zander	-	WTK20	
OWSK0220	Zander	-	WTK30	

CondenSmart

A Smart Solution in Condensate Management

Mechanical Float Drain

Model | CSMFD1

For System Flow Rates up to 11772 SCFM (20000 Nm3 /hr)



The Walker Filtration CondenSmart Mechanical Float Drain provides an energy efficient option to eliminate compressed air loss in the condensate draining process without using an electrical outlet.

The fully automatic device uses an internal float valve that creates a low operating pressure within the collection chamber. This generates a unique, gravitational discharge system that prevents emulsions from forming before the condensate can reach the oil-water separator.

For quick installation, the CondenSmart Mechanical Float Drain does not require an electrical source, eliminating the need for external device testing and configuration.

Timer Drain

Model | CSTD016

For System Flow Rates up to 2118 SCFM (3600 Nm³/hr)



Compact and efficient, the Walker Filtration CondenSmart Timer Drain is designed to cyclically remove oil-contaminated condensate from the compressed air production process through the integration of a digital timer.

The integrated strainer captures solid particles to prevent contaminants from getting caught in the solenoid valve. The internal ball-valve cuts off condensate flow to the strainer
when it is time for maintenance, preventing device malfunction or damage.

Utilising smart technology, the CondenSmart Timer Drain can be programmed to match the flow of condensate within your system without the need for frequent device maintenance or constant surveillance.

Vacuum Drain

Model | CSVD1

For System Flow Rates up to 32 SCFM (54 Nm³/hr)



The Walker Filtration CondenSmart Vacuum Drain is engineered to enhance vacuum drainage systems using a comprehensive system of electronic and pressure-based valves.

The device mimics the pressure conditions within the vacuum application, allowing condensate to drain into the receiver. The receiver senses an increase in pressure and relieves the accumulated condensate by opening the 5/2 valve.

Designed to accommodate most vacuum systems with features made to simplify service and lower power consumption, the CondenSmart Vacuum Drain is efficient in terms of maintenance and operational costs.

Zero-loss Drains

Models | CSED0106 to CSED5650

For System Flow Rates up to 106 SCFM (180 Nm³/hr) to 5650 SCFM (9600 Nm³/hr)



The Walker Filtration CondenSmart Electronic Drain is engineered to remove oil-contaminated condensate from the compressed air production system without allowing air to escape.

Controlled by an advanced processor, the device prevents blockages with a specially engineered series of integrated sensory valves that adjust automatically when condensate is detected at the maximum level.

Available in a wide range of models, the CondenSmart Electronic Drain utilizes smart technology to enhance condensate management by eliminating frequent drain maintenance and compressed air loss.

High Pressure Timer Drains

Models | CSHTD030 to CSHTD350

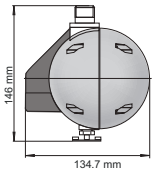
For System Flow Rates up to 2119 SCFM (3600 Nm³/hr)



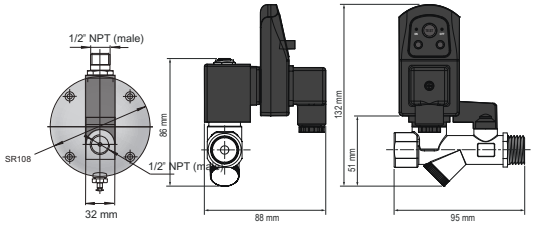
Compact and efficient, the Walker Filtration CondenSmart High Pressure Timer Drain is designed to cyclically remove heavily contaminated condensate from high pressure compressed air production systems once the timer is set.

A unique digital control panel allows the CondenSmart High Pressure Timer Drain to be programmed to handle a wide range of flow rates and oil-laden condensate. The timer is connected to a solenoid valve that opens and closes accordingly to the device's adjustable timeframes.

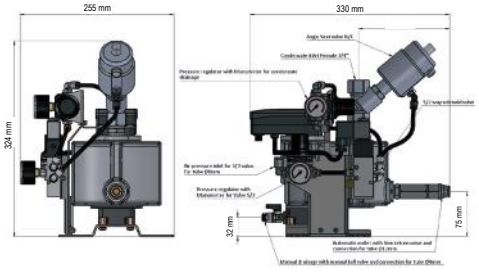
A large discharge outlet and fully automatic design eliminate the need for frequent external device maintenance.



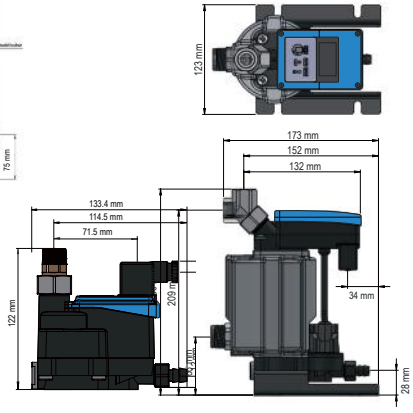
CSMFD1



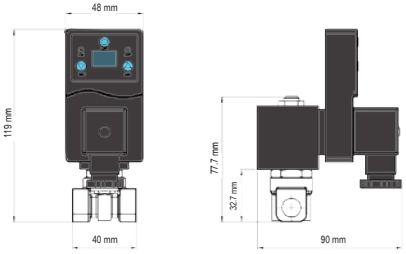
CSTD016



CSVD1



CSED0106 **CSED5650**



CSHTD030 to CSHTD350

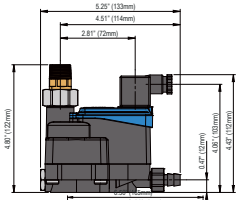
Condensate Management Drains

The Condensate Management Drain Series is the latest product range in our offering of condensate management solutions. Essential to maintaining efficient compressed air system operation, these highly effective condensate drainage options help to guarantee the production of consistently pure compressed air in line with relevant purification standards.

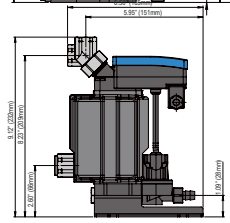
Model	Description	Pipe size		Maximum working pressure		Weight	Complete price (£)
		inlet	outlet inches (mm)	barg	psig	Kg	
CSED0106	Zero Loss Drains 0.2-16 barg (2.9-232 psig)	G¾(M) or G½(M)	½ (12.7)	16	232	0.40	
CSED0222C		G½" (F)	½ (12.7)	16	232	0.50	
CSED0265		G½" (F) + G¾"(M) or G½"(F)	½ (12.7)	16	232	0.60	
CSED0530		G½" (F) + G¾"(M) or G½"(F)	½ (12.7)	16	232	0.70	
CSED1059		G½" (F) + G¾"(M) or G½"(F)	½ (12.7)	16	232	1.20	
CSED5650		G½" (F) + G¾"(M) or G½"(F)	½ (12.7)	16	232	1.80	
CSMFD1	Mechanical Float Drain 10 barg (145 psig)	G½	-	10	145	0.60	
CSTD016	Timer Drain 16 barg (232 psig)	G½	-	16	232	0.55	
CSHTD030	High Pressure Timer Drain 30 barg (435 psig)	G¼	-	30	435	0.50	
CSHTD100	High Pressure Timer Drain 100 barg (1450 psig)	G¼	-	100	1450	0.50	
CSHTD0350	High Pressure Timer Drain 350 barg (5076 psig)	G¼	-	350	5076	0.70	
CSHTD400	High Pressure Timer Drain 400 barg (5800 psig)	G¼	-	400	5800	0.70	
CSVD1	Vacuum Drain 0.1-8 bara (1.45-26 psia)	G¾"(F)	12.7 (½)	1.8	26	5.10	

Note: For further product information and technical specifications, please refer to the datasheets found on our website or call Walker Filtration to inquire more about this product.

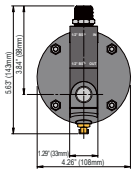
CSED0106



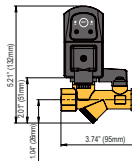
CSED5650

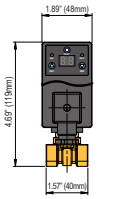


CSMFD1

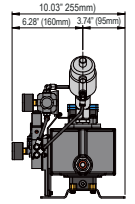


CSHTD030





CSVD1



CondenSmart Accessories, Spares and Service Kit

Walker Part Number	Description	Corresponding Drain Model	Price (£)
CSHUK1	Heater Unit Kit for model CSED0222C (230V)	CSED0222C	
CSHUK2	Heater Unit Kit for model CSED0222C (230V)	CSED0265, CSED0530,CSED1059, CSED0106	
CSHUK3	Heater Unit Kit for model CSED5650 (230V)	CSED5650	
CSMBK1	Support Brackets	CSED5650	
CSPC1	Power Connector with type B retangular	All CSED models	
CSPC2	Power Connector with cable socket M12, 4 poles	All CSED models	
CSPC3	Power Connector with type A square	CSTD016	
CSSK1	CSED Service Kit	All Models	

Drain Valve Equipment

For safe and reliable condensate drainage systems, Walker Filtration supplies a comprehensive range of float, automatic, manual and electronic drain valves.

Model	Pipe size		Condensate flow rate		Pressure		Dimensions mm		Weight Kg	Complete price (£)
	inlet	outlet	Nm³/h	SCFM	barg	psig	A	B		
Manually operated drain valves										
MDV25 / MDV25XM	¼	¼	-	-	20	290	40	41	0.08	
MDVE25	¼	¼	-	-	20	290	41	50	0.08	
MDVE25B	¼	¼	-	-	20	290	41	50	0.08	
MDV50	½	½	-	-	20	290	44	46	0.12	
MDV25CS-50	¼	¼	-	-	50	725	75	130	0.45	
MDV25SS-50	¼	¼	-	-	50	725	75	130	0.45	
MDV25SS-350	¼	¼	-	-	350	5075	50	70	0.45	
VMDV25	¼	¼	-	-	20	290	41	50	0.08	
VMDVE25B	¼	¼	-	-	20	290	41	50	0.08	
VMDVE25M	¼	¼	-	-	20	290	41	50	0.08	
SFMDV25	¼	¼	-	-	20	290	41	50	0.08	
SFMDVE25B	¼	¼	-	-	20	290	41	50	0.08	
PDV25	¼	-	-	-	10	150	35	28	0.45	
Float operated automatic / semi automatic drain valves										
SDV25	¼	¼	-	-	16	232	30	15	0.05	
SDVE25	¼	¼	-	-	16	232	42	43	0.05	
ADVS16C	-	⅛	-	-	16	232	24	85	0.05	
ADVSE16C	-	⅛	-	-	16	232	42	85	0.05	
ADVSE16CB	-	⅛	-	-	16	232	42	85	0.05	
ADVS16	-	⅛	-	-	16	232	24	85	0.05	
ADVSE16	-	⅛	-	-	16	232	42	85	0.05	
ADVSE16B	-	⅛	-	-	16	232	42	85	0.05	
SFADVSE16B	-	⅛	-	-	16	232	42	85	0.05	
ADV16	-	⅛	-	-	16	232	24	85	0.05	
ADVA16	-	⅛	-	-	16	232	24	85	0.05	
ADV3000	-	¼	-	-	16	232	39	76	0.02	
ADVK16	Replacement O-ring seal & circlip to fit ADV16 and ADVA16									
ADVSN16*	-	⅛	-	-	16	232	24	85	0.05	
ADVSEN16*	-	⅛	-	-	16	232	24	85	0.05	
ADVSEN16B*	-	⅛	-	-	16	232	24	85	0.05	

Technical Notes

1 Maximum operating temperature as follows: float operated drain valves 80ºC (176ºF), solenoid operated drain valves 90ºC (194ºF).

2. ADV16 drain is suitable for previous filter range models A20 and A30.

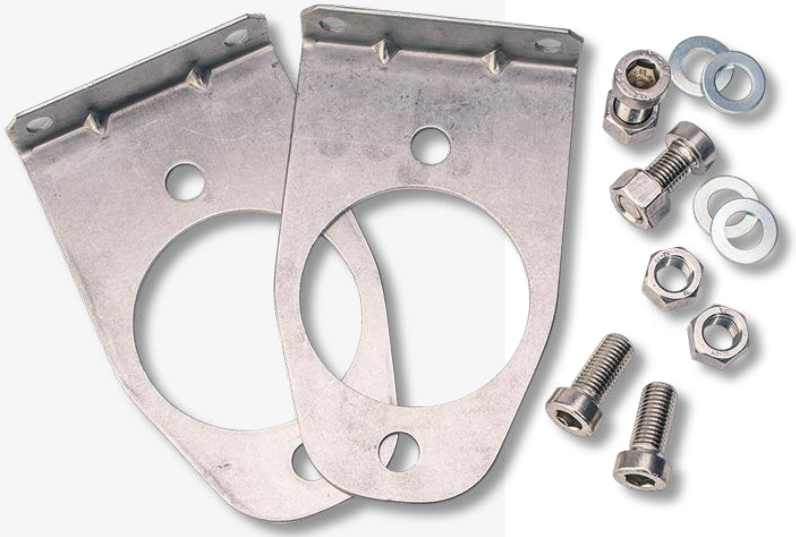
3 ADV3000 drain is suitable for previous filter range models A55 to A308.

4 ADVS16C drain is suitable for previous range models A018 to A058.

5 ADVS16 drains are supplied as standard on Alpha filter housing models A3011 – A3051 and are suitable for previous filter models A059 to A390.

6 ADVSE16 drains are supplied as standard on Alpha filter housing models A3052 – A3303.





Spares and Accessories

At Walker Filtration we provide an extensive range of original filtration and drying accessories and spare parts for the longevity of your product and to support all configurations and installations. Walker Filtration understands that the smallest details are vital in the management of compressed air and gas.

Each installation is different and customer preferences vary. That is why you need a comprehensive choice of ancillaries to suit your needs.

Our range of accessories and spare parts is extensive and includes several types of differential pressure gauges and an array of drain valves.

The selection is completed with a large number of mounting and connecting kits, as well as O-ring kits and drain flasks that accommodate any configuration of installation.

We also offer a custom design, build, and brand service for OEM customers.





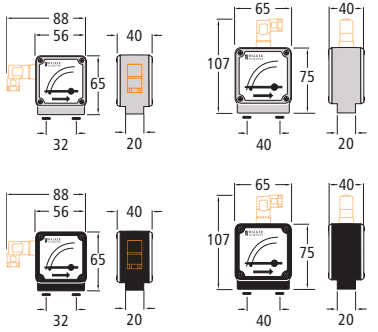
Differential Pressure Equipment

Walker Filtration manufactures a comprehensive range of differential pressure monitoring equipment for air and gas applications.

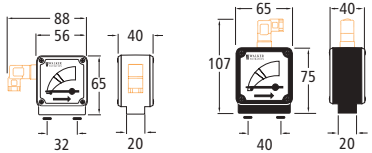
Model	Differential pressure range		Equipment description							Complete price (£)
	mbar d	psi d	55 size	65 size	grey	black	white	indicator	gauge	
55DPG250B	250	3.6	✓	-	-	✓	-	-	✓	
55DPG1000B	1000	14.5	✓	-	-	✓	-	-	✓	
65DPG250B	250	3.6	-	✓	-	✓	-	-	✓	
65DPG250G	250	3.6	-	✓	✓	-	-	-	✓	
65DPG700G	700	10.1	-	✓	✓	-	-	-	✓	
65DPG700B	700	10.1	-	✓	-	✓	-	-	✓	
65DPG1000B	1000	14.5	-	✓	-	✓	-	-	✓	
65DPG1000G	1000	14.5	-	✓	✓	-	-	-	✓	
55DPIW	700	10.1	✓	-	-	-	✓	✓	-	
55DPI	700	10.1	✓	-	-	✓	-	✓	-	
65DPIB	700	10.1	-	✓	-	✓	-	✓	-	
65DPIG	700	10.1	-	✓	✓	-	-	✓	-	
65DPIG3V	700	10.1	-	✓	✓	-	-	✓	-	
65DPIB-SF	700	10.1	-	✓	✓	-	-	✓	-	
55DPUB	400	5.8	✓	-	-	✓	-	✓	-	
65DPUBA	400	5.8	-	✓	-	✓	-	✓	-	
65DPUGA	400	5.8	-	✓	✓	-	-	✓	-	
65DPUB3	400	5.8	-	✓	✓	-	-	✓	-	
65DPUG3V	400	5.8	-	✓	✓	-	-	✓	-	
65DPUGA-100	100	1.4	-	✓	✓	-	-	✓	-	
65DPUBA-100	100	1.4	-	✓	-	✓	-	✓	-	
65DPUGA3-100	100	1.4	-	✓	✓	-	-	✓	-	
65DPUBA3-100	100	1.4	-	✓	-	✓	-	✓	-	

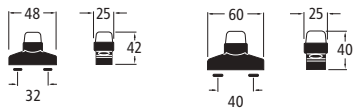
WPN4020902	Panel mounting kit for all 55 size models
WPN4021002	Panel mounting kit for all 65 size models
WPN4021102	Mounting block for all 65 size models to fit other housings
GBK059	Gauge blanking kit
FK65	Fixing kits for A059 - A158
FK65L	Fixing kits for A159 - A390
FK365	Fixing kits for A3052-A3303

55 **65**



Images show volt free contact option. Please see important note below for required fixing kit





IMPORTANT: replacement gauges for filter models A059 to A390 require a fixing kit. Please reference the adjacent table for details.

Technical Notes

1 Differential pressure indicator and gauge working pressure 20 barg (300 psig).

2. Differential pressure indicator and gauge maximum working temperature 50°C (122°F).

3 Differential pressure indicator and gauge accuracy, + or - 2.5% FSD.

4 Gauge adaptor blocks are available to convert the indicators from standard Walker Filtration mounting connections to 1/8" or M5.

5 Electrical version differential pressure indicator and gauge switching voltage = 200VDC. Indicator and gauge switching current = 0.5A. Indicator and gauge carry current = 1.2A. Indicator and gauge switch type = two pole normally open.

6 For panel mounting a 55 model differential pressure indicator gauge, remove gauge face, cut 50mm hole in panel and relocate face (not available for 65 models).

7 Volt free contact options available on request on DPG and DPI models only (additional £49.00). Add 'E' to model number, e.g. 65DPIBE. Volt free contact shown in orange dotted line on drawings.

Compressed Air Filter Accessories

To accompany our standard product portfolio, we supply a range of accessories.

Model	Equipment description	To fit equipment model	Complete price (£)
Connecting kits			
CNK3011	Connecting kit for joining 2 filter housings together – Alpha	A3011, A3021, A30006, A30015, SF0006, SF0015, 20HP0006, 20HP0015	
CNK3022		A3022, A3031, A3051, D30025, D30032, D30050, A30025, A30032, A30050, SF0025, SF0032, SF0050,20HP0025, 20HP0032, 20HP0050	
CNK3052		A3052, A3071, A3101, A3072, A3102, A30070, A30085, A30105, A30125, A30175, SF0070, SF0085, SF0105, SF0125, SF0175, 20HP0070, 20HP0085, 20HP0125. 20HP0175	
CNK3082		A30280, A30320, SF0280, SF0320, 20HP0280, 20HP0320	
CNK3122		A3122, A3151, A3201, A3202, A30400, A30450, A30700, SF0400, SF0450, SF0700, 20HP0400, 20HP0450, 20HP0700	
CNK3251		A3251, A3301, A3302, A3303, A30850, A30900, A31250, A31500, SF0850, SF0900, SF1250, SF1500, 20HP0850, 20HP0900, 20HP1250, 20HP1500	
CNKD3059		D30070, D30085, D30125, D30175	
CNK3012	Connecting kit for joining 3 filter housings together – Alpha	A3011, A3021, A30006, A30015, SF0006, SF0015, 20HP0006, 20HP0015	
CNK3023		A3022, A3031, A3051, D30025, D30032, D30050, A30025, A30032, A30050, SF0025, SF0032, SF0050, 20HP0025, 20HP0032, 20HP0050	
CNK3053		A3052, A3071, A3101, A3072, A3102, A30070, A30085, A30105, A30125, A30175, SF0070, SF0085, SF0105, SF0125, SF0175, 20HP0070, 20HP0085, 20HP0105, 20HP0125, 20HP0175	
CNK3083		A30280, A30320, SF0280, SF0320, 20HP0280, 20HP0320	
CNK3123		A3122, A3151, A3201, A3202, A30400, A30450, A30700, SF0400, SF0450, SF0700	
CNK3252		A3251, A3301, A3302, A3303, A30850, A30900, A31250, A31500, SF0850, SF0900, SF1250, SF1500, 20HP0850, 20HP0900, 20HP1250, 20HP1500	
CNKD3060		D30070, D30085, D30125, D30175	
CNK3013	Connecting kit for joining 4 filter housings together – Alpha	A3011, A3021, A30006, A30015, SF0006, SF0015, 20HP0006, 20HP0015	
CNK3024		A3022, A3031, A3051, D30025, D30032, D30050, A30025, A30032, A30050, SF0025, SF0032, SF0050, 20HP0025, 20HP0032, 20HP0050	
CNK3054		A3052, A3071, A3101, A3072, A3102, A30070, A30085, A30105, A30125, A30175, SF0070, SF0085, SF0105, SF0125, SF0175, 20HP0070, 20HP0085, 20HP0105, 20HP0125, 20HP0175	
CNK3084		A30280, A30320, SF0280, SF0320, 20HP0280, 20HP0320	
CNK3124		A3122, A3151, A3201, A3202, A30400, A30450, A30700, SF0400, SF0450, SF0700, 20HP0400, 20HP0450, 20HP0700	
CNK3253		A3251, A3301, A3302, A3303, A30850, A30900, A31250, A31500, SF0850, SF0900, SF1250, SF1500, 20HP0850, 20HP0900, 20HP1250, 20HP1500	
CNKD3061		D30070, D30085, D30125, D30175	





Model	Equipment description	To fit equipment model	Complete price (£)
Connecting kits			
2CK1	Connecting kit for joining 2 filter housings together – A Range	A27, A34, A39, A55, A73, D40, D45	
2CK1/1		A20, A30, D20, D30	
2CK2		A76, A105, A106, A126	
2CK2/1		A153, A203, A205	
2CK3/1		A250, A305, A306	
3CK1	Connecting kit for joining 3 filter housings together – A Range	A27, A34, A39, A55, A73, D40, D45	
3CK1/1		A20, A30, D20, D30	
3CK2		A76, A105, A106, A126	
3CK2/1		A153, A203, A205	
3CK3/1		A250, A305, A306	
CNK018	Connecting kit for joining 2 filter housings together – Previous Alpha (for every additional housing connection, 1 connection kit is required. For example, 3 connection kits are required to join 4 filter housings)	A018, A019	
CNK028		A028, A038, A058	
CNK059		A059, A078, A079, A108, A109	
CNK128		A128, A158	
CNK159		A159, A208, A209	
CNK254		A254, A340, A360, A390	
CNKD028		D028, D038, D058	
CNKD059		D059, D078, D079, D108, D109	
XFCK1	PRO XF Slim-line connecting kit to connect PRO XF Filter Modules to PRO XF Complete Filters	XFM041, XFM061, XFM071	
XFCK2	PRO XF Slim-line connecting kit to connect PRO XF Filter Modules to PRO XF Complete Filters	XFM042, XFM062, XFM072	
XFTCK	PRO XF Replacement top cap and O-ring Kit	-	
O2CNK3011	Connecting Kit for Joining 2 Filters Housing Together - Alpha Oxygen	O20006, O20015	
O2CNK3022		O20025, O20032, O20050	
O2CNK3052		O20070, O20085, O20105, O20125, O20175	
O2CNK3082		O20280, O20320	
O2CNK3122		O20400, O20450, O20700	
O2CNK3251		O20850, O20900, O21250, O21500	
O2CNK3012	Connecting Kit for Joining 3 Filters Housing Together - Alpha Oxygen	O20006, O20015	
O2CNK3023		O20025, O20032, O20050	
O2CNK3053		O20070, O20085, O20105, O20125, O20175	
O2CNK3083		O20280, O20320	
O2CNK3123		O20400, O20450, O20700	
O2CNK3252		O20850, O20900, O21250, O21500	
O2CNK3013	Connecting Kit for Joining 4 Filters Housing Together - Alpha Oxygen	O20006, O20015	
O2CNK3024		O20025, O20032, O20050	
O2CNK3054		O20070, O20085, O20105, O20125, O20175	
O2CNK3084		O20280, O20320	
O2CNK3124		O20400, O20450, O20700	
O2CNK3253		O20850, O20900, O21250, O21500	

Model	Equipment description	To fit equipment model	Complete price (£)
O-ring sealing kits			
OSK3011	O-ring sealing kit	A3011, A3021, A30006, A30015	
OSK3022		A3022, A3031, A3051, A30025, A30032, A30050	
OSK3052		A3052, A3071, A3101, A3072, A3102, A30070, A30085, A30105, A30125, A30175	
OSK3082		A30280, A30320	
OSK3122		A3122, A3151, A3201, A3202, A30400, A30450, A30700	
OSK3251		A3251, A3301, A3302, A3303, A30850, A30900, A31250, A31500	
OSKD3028		D30025, D30032, D30050	
O2OSK 30006-30015	Alpha Oxygen O-ring sealing kit	O20006, O20015	
O2OSK 30025-30050		O20025, O20035, O20050	
O2OSK 30070-30175		O20070, O20085, O20105 O20125, O20175	
O2OSK 30280-30320		O20280, O20320	
O20SK 30400- 30700		O20400, O20450, O20700	
O2OSK 30850-31500		O20850, O20900, O21250, O21500	
OSK1	O-ring seal kit, 1 body, 1 drain and 1 element seal	A27, A34, A39, A55, A56, A73	
OSK1/1		A20, A30	
OSK2	O-ring seal kit, 2 body, 1 drain and 2 element seal	D45	
OSK2/1		D20, D30	
OSK3	O-ring seal kit, 1 body, 1 drain and 1 element seal	A76, A105, A106, A126	
OSK3/1		A153, A203, A205	
OSK4/1		A250, A305, A306	
OSK5		A308	
OSK6	O-ring seal kit, 2 flange and 1 body flange seal	A400MV	
OSK7	O-ring seal kit, 4, for cap to gauge	differential pressure gauge/indicators	
OSK8	O-ring seal kit, 1 body	¼", ⅜" high pressure housing kit	
OSK9		1" high pressure housing kit	
OSK10		2" high pressure housing kit	
OSK11	O-ring sealing kit	C025, C037, C050	
OSK12		C75, C101	
OSK13		C150, C200, C201, C250	
OSK018	O-ring sealing kit	A018, A019	
OSK028		A028, A038, A058	
OSK059		A059, A078, A079, A108, A109	
OSK128		A128, A158	
OSK159		A159, A208, A209	
OSK254		A254, A340, A360, A390	
OSKD028	O-ring sealing kit	D028, D038, D058	
OSKD059		D059, D078, D079, D108, D109, D30070, D30085, D30125, D30175	
XFOSK1	O-ring sealing kit	XF300FWS, XF341F, XF361F, XF371F	
XFOSK2		XF400FWS, XF442F, XF462F, XF472F	





Model	Equipment description	To fit equipment model	Price (£)
Mounting bracket kits			
MBK3011	Wall mounting brackets, nuts and bolts	A3011, A3021, A30006, A30015, SF0006, SF0015, 20HP0006, 20HP0015	
MBK3022		A3022, A3031, A3051, D30025, D30032, D30050, A30025, A30032, A30050, SF0025, SF0032, SF0050, 20HP0025, 20HP0032, 20HP0050	
MBK3052		A3052, A3071, A3101, A3072, A3102, A30070, A30085, A30105, A30125, A30175, SF0070, SF0085, SF0105, SF0125, SF0175, 20HP0070, 20HP0085, 20HP0105, 20HP0125, 20HP0175	
MBK3082		A30280, A30320, SF0280, SF0320, 20HP0280, 20HP0320	
MBK3122		A3122, A3151, A3201, A3202, A30400, A30450, A30700, SF0400, SF0450, SF0700, 20HP0400, 20HP0450, 20HP0700	
MBK3251		A3251, A3301, A3302, A3303, A30850, A30900, A31250, A31500, SF0850, SF0900, SF1250, SF1500, 20HP0850, 20HP0900, 20HP1250, 20HP1500	
MBKD3059		D30070, D30085, D30125, D30175	
MBK1	Wall mounting bracket, nuts and bolts	A27, A50WS, A39, A55, D40, D45, A72	
MBK1/1		A20WS, A30WS, A20, A30, D20, D30,	
MBK2		A75WS, A100WS, A125WS, A76, A105, A106 A126	
MBK2/1		A150WS, A200WS, A153, A203, A126, A205	
MBK3/1		A300WS, A250WS, A350WS, A305, A306	
MBK50HP 1	Wall mounting bracket	50HP25, 50HP37 and 50HP50	
MBK50HP 2		50HP101	
MBK50HP 3		50HP150 and 50HP201	
MBK018	Wall mounting bracket, nuts and bolts	A018, A019	
MBK028		A028, A038, A058	
MBK059		A059, A078, A079, A108, A109	
MBK128		A128, A158	
MBK159		A159, A208, A209	
MBK254		A254, A340, A360, A390	
MBKD028		D028, D038, D058	
MBKD059		D059, D078, D079, D108, D109	
XFMBK1	Wall mounting brackets	XF241, XF251, XF341, XF361, XF371, XF341F, XF361F, XF371F, XFM041, XFM061, XFM071, XF200WS, XF300WS XM241MV, XM251MV, XM341MV, XM361MV, XM371MV, XM341FMV, XM361FMV, XM371FMV	
XFMBK2	Floor mounting brackets	XF241, XF251, XF341, XF361, XF371, XF341F, XF361F, XF371F, XFM041, XFM061, XFM071	
XFMBK3		XF442F, XF462F, XF472F, XFM042, XFM062, XFM072	
XMMBK2		XM241MV, XM251MV, XM341MV, XM361MV, XM371MV, XM341FMV, XM361FMV, XM371FMV	
XMMBK3		XM442FMV, XM462FMV, XM472FMV	

Model	Equipment description	To fit equipment model	Complete price (£)
Drain flasks			
MLF100	100ml glass flask (polymer coating)	VLR, VX1, EF, EFC and MV	
MLF250	250ml glass flask (polymer coating)		
MLF500	500ml glass flask (polymer coating)		
MLF1000	1000ml glass flask (polymer coating)		
MLA100	100ml glass flask, plastic screw cap and ¼" connection/valve		
MLA250	250ml glass flask, plastic screw cap and ¼" connection/valve		
MLA500	500ml glass flask, plastic screw cap and ¼" connection/valve		
MLA1000	1000ml glass flask, plastic screw cap and ¼" connection/valve		



To Fit Previous Walker Ranges:

Spare and replacement parts for discontinued and legacy Walker Filtration products





To Fit Previous PRODRY Heatless Desiccant Compressed Air Dryers Service Kits & Accessories

Dryer model	Part number of kit	Service interval	Description	Price (£)
PD044SFD & PD066SFD	PD1SK03	Service kit: 6,000 hrs (1 year)	Silencer kit	
PD045 - PD085	PD2SK01			
PD105 - PD175	PD2SK02			
PD215 - PD365	PD2SK03			
PD044SFD	PDC044-12000	Service kit: 12,000 hours (2 years)	4 plastic desiccant cartridges, pack of sealing O-rings and sealing washers, instruction manual, controller re-set disc	
PD066SFD	PDC066-12000			
PD045	PDC045AL-12000	Service kit: 12,000 hours (2 years)	2 aluminium desiccant cartridges, pack of sealing O-rings and sealing washers, instruction manual, controller re-set disc	
PD055	PDC055AL-12000			
PD065	PDC065AL-12000			
PD085	PDC085AL-12000			
PD105	PDC105AL-12000	Service kit: 12,000 hours (2 years)	4 aluminium desiccant cartridges, pack of sealing O-rings and sealing washers, instruction manual, controller re-set disc	
PD135	PDC135AL-12000			
PD175	PDC175AL-12000			
PD215	PDC215AL-12000	Service kit: 12,000 hours (2 years)	8 aluminium desiccant cartridges, pack of sealing O-rings and sealing washers, instruction manual, controller re-set disc	
PD275	PDC275AL-12000			
PD365	PDC365AL-12000			
PD044SFD & PD066SFD (duplex models)	VSKD01	Service kit: 24,000 hrs (4 year)	Solenoid valves, shuttles, shuttle seats, O-rings, diaphragms (including diaphragm springs and brass discs)	
PD045 - PD175	PDVSKS01		Solenoid valves, shuttles, exhaust shuttles, exhaust shuttle tool, O-rings	
PD215 - PD365 (duplex models)	PDVSKD01		Solenoid valves, shuttles, exhaust shuttles, exhaust shuttle tool, O-rings	
PD044SFD & PD066SFD	PD1SV01	-	Solenoid valves (only)	
PD045-PD175	PD2SV01			
PD215 - PD365 (duplex models)				
PD044SFD & PD066SFD	PD1SKD01	recommended:12,000 hours (2 years)	Shuttles, shuttle seats and O-rings	
PD045 - PD175	PD2SKS01		Shuttles, exhaust shuttles, exhaust shuttle tool and O-rings	
PD215 - PD365 (duplex models)	PD2SKSD01			
PD044SFD & PD066SFD	PD1TDKD01	recommended:12,000 hours (2 years)	Top valve diaphragm, diaphragm springs.	
PD044SFD & PD066SFD	PD1BDKD01		Bottom valve diaphragm, diaphragm springs.	
PD044SFD & PD066SFD	PDCK01	-	Electronic controller complete with solenoid valves	
PD045 - PD365	PDCK02			
PD045 - PD365	PDC02		PD2 controller (without valves)	
PD215 - PD365	Contact sales department for part number	-	Purge plug kits	
PD044SFD & PD066SFD	Contact sales department for part number	-		
PD045 - PD175	Contact sales department for part number			

Previous Walker Filter Elements - A Range

Elements suitable for use in Walker Filtration's earlier ranges of air, gas, medical vacuum, medical sterile and high pressure filter housings.

Previous Compressed Air and Gas elements

Housing reference	Element reference	Price (£)
A20	E361 (grade)	
A30	E371 (grade)	
A55	E511 (grade)	
A76	E711 (grade)	
A105	E811 (grade)	
A106	E731 (grade)	
A126	E821 (grade)	
A153	E831 (grade)	
A203	E831 (grade)	
A205	E851 (grade)	
A250	E1251 (grade)	
A305	E1251 (grade)	
A306	E1261 (grade)	
A308	E1281 (grade)	
A25, A35, A40	E50 (grade)	
A38, A45, A70	E51 (grade)	
A49	E52 (grade)	
A74, A75	E71 (grade)	
A100, A124	E81 (grade)	
A101	E73 (grade)	
A125	E83 (grade)	
A141	E831 (grade)	
A150	E103 (grade)	
A200	E123 (grade)	
A201	E125 (grade)	
A202	E134 (grade)	
A250, A291	E135 (grade)	
A300	E127 (grade)	
A301	E128 (grade)	
D25, D38	E01AC	
D20 XAC	E361XA / E381AC	
D30 XAC	E371XA / E381AC	
D45 XAC	E51XA / E02AC	
A131, A151	E830 (grade)	
A261, A463	E86 (grade)	
A474, A676, A678, A8710, A10716, A12724	E87 (grade)	
A361	E137 (grade)	
A371	E138 (grade)	

Previous Medical Sterile elements

Housing reference	Element reference	Price (£)
A20MS	E361SR	
A30MS	E371SR	
A55MS	E511SR	
A76MS	E711SR	
A105MS	E811SR	
A106MS	E731SR	
A126MS	E821SR	
A153MS	E831SR	
A203MS	E831SR	
A205MS	E851SR	
A250MS	E1251SR	
A305MS	E1251SR	
A306MS	E1261SR	
A308MS	E1281SR	
A25MS	E50SR	
A38MS	E51SR	
A49MS	E52SR	
A74MS	E71SR	
A100MS	E81SR	
A101MS	E73SR	
A125MS	E83SR	
A141MS	E831SR	
A191MS	E831SR	
A200MS	E123SR	
A201MS	E125SR	
A202MS	E134SR	
A291MS	E135SR	
A300MS	E127SR	
A301MS	E128SR	

For grades:
X25, X5, X1, XA, AC, RX25, RX5, RX1, RXA, RAC.

Previous Medical Vacuum elements

Housing reference	Element reference	Price (£)
A27MV	E27MV	
A37MV	E37MV	
A47MV	E57MV	
A77MV	E57MV	
A100MV	E81MV	
A125MV	E83MV	
A150MV	E103MV	
A200MV	E133MV	
A300MV	E137MV	
A301MV	E138MV	
A39MV	E511MV	
A56MV	E521MV	
A70MV	E521MV	
A105MV	E811MV	
A126MV	E821MV	
A153MV	E831MV	
A205MV	E851MV	
A306MV	E1261MV	
A308MV	E1281MV	

Previous High Pressure elements

Housing reference	Element reference	Price (£)
350HP 12	HP 260 (grade)	
350HP 25	HP 310 (grade)	
100HP 25	HP 310 (grade)	

For grades:
X25, X5, X1, XA, AC, RX25, RX5, RX1, RXA, RAC.

Previous 20 Barg Alloy HP elements

Housing reference	Element reference	Price (£)
20HP25	E1003 (grade)	
20HP37	E1503 (grade)	
20HP50	E2005 (grade)	
20HP75	E2505 (grade)	
20HP100	E2008 (grade)	
20HP101	E2508 (grade)	
20HP150	E2512 (grade)	
20HP151	E2712 (grade)	
20HP200	E3012 (grade)	
20HP201	E3020 (grade)	
20HP300	E5020 (grade)	
20HP301	E5024 (grade)	
20HP302	E5030 (grade)	

Previous Walker Filter Elements - Old Alpha

Elements suitable for use in Walker Filtration's earlier ranges of air, gas, medical vacuum, medical sterile and high pressure filter housings.

Previous Compressed Air and Gas elements

Housing reference	Element reference	Price (£)
A018	E0304 (grade)	
A019	E0305 (grade)	
A028	E0406 (grade)	
A038	E0407 (grade)	
A058	E0413 (grade)	
A059	E0613 (grade)	
A078	E0613 (grade)	
A079	E0620 (grade)	
A108	E0620 (grade)	
A109	E0625 (grade)	
A128	E0730 (grade)	
A158	E0730 (grade)	
A159	E0830 (grade)	
A208	E0830 (grade)	
A209	E0860 (grade)	
A254	E1140 (grade)	
A340	E1140 (grade)	
A360	E1160 (grade)	
A390	E1175 (grade)	

For grades:
X25, X5, X1, XA, AC, RX25, RX5, RX1, RXA, RAC.

Previous Medical Sterile elements

Housing reference	Element reference	Price (£)
A019MS	E0305SR	
A028MS	E0406SR	
A038MS	E0407SR	
A058MS	E0413SR	
A059MS	E0613SR	
A078MS	E0613SR	
A109MS	E0625SR	
A128MS	E0730SR	
A158MS	E0730SR	
A159MS	E0830SR	
A208MS	E0830SR	
A209MS	E0860SR	
A254MS	E1140SR	
A340MS	E1140SR	
A360MS	E1160SR	
A390MS	E1175SR	

Previous Medical Vacuum elements

Housing reference	Element reference	Price (£)
A028MV	E0406MV	
A038MV	E0407MV	
A058MV	E0413MV	
A059MV	E0613MV	
A078MV	E0613MV	
A078MV	E0620MV	
A108MV	E0620MV	
A109MV	E0625MV	
A128MV	E0730MV	
A158MV	E0730MV	
A159MV	E0830MV	
A208MV	E0830MV	
A209MV	E0860MV	
A254MV	E1140MV	
A340MV	E1140MV	
A360MV	E1160MV	
A390MV	E1175MV	

Previous Vacuum Pump Protection elements

Housing reference	Element reference	Price (£)
A038	E0407 (grade)	
A058	E0413 (grade)	
A059	E0613 (grade)	
A078	E0613 (grade)	
A079	E0620 (grade)	
A108	E0620 (grade)	
A109	E0625 (grade)	
A128	E0730 (grade)	
A158	E0730 (grade)	
A159	E0830 (grade)	
A208	E0830 (grade)	
A209	E0860 (grade)	
A254	E1140 (grade)	
A340	E1140 (grade)	
A360	E1160 (grade)	
A390	E1175 (grade)	

Previous Vacuum Pump Exhaust elements

Housing reference	Element reference	Price (£)
A038EF	E0407EF	
A058EF	E0413EF	
A059EF	E0613EF	
A078EF	E0613EF	
A079EF	E0620EF	
A108EF	E0620EF	
A109EF	E0625EF	
A128EF	E0730EF	
A158EF	E0730EF	
A159EF	E0830EF	
A208EF	E0830EF	
A209EF	E0860EF	
A254EF	E1140EF	
A340EF	E1140EF	
A360EF	E1160EF	
A390EF	E1175EF	

Previous Duplex elements

Housing reference	Element reference	Price (£)
D028XAC	E0406XA/DAC	
D038XAC	E0407XA/DAC	
D058XAC	E0413XA/DAC	
D059XAC	E0613XA/DAC	
D078XAC	E0613XADAC	
D079XAC	E0620XA/DAC	
D108XAC	E0620XA/DAC	
D109XAC	E0625XADAC	

Comprehensive range of Alternative Filter Elements and Separators

Filtration Specialists

Walker Filtration's Alternative Filter Elements are designed to fit into original filter housings - providing a highly credible, reliable and energy efficient replacement to the OEM original part.

Exceptional Performance

To ensure the highest possible performance and efficiency, our Alternative Element designs are subject to both in-house and independent testing in accordance with industry standards using the very latest equipment and analysis techniques.

Walker Filtration's range of Alternative Filter Elements offer performance levels to meet the most stringent of specifications. All elements are manufactured to meet and exceed original OEM specifications and relevant ISO 8573-1 quality classes when tested at the rated flow conditions in accordance with ISO 12500 series of standards.

Service

Our superior technical ability, exceptional product performance, competitive pricing and fast delivery makes Walker Filtration Alternative Elements the Alternative Elements of choice.

Our in-house knowledge and comprehensive cross reference capability means we can readily identify the replacement element you need and guarantee an immediate response to all of your Alternative Element requirements.

By maintaining optimum stock levels, we ensure fast delivery of all alternatives within our range.

Price Guide effective from JANUARY 2025.

This price list supersedes all previous editions and is to be used as a guide only. Walker Filtration Ltd reserves the right to adjust its prices at any time after the issue of the price list.

All prices within the Walker Filtration Price Guide exclude VAT and carriage. Express deliveries can be arranged at extra cost.







Alternative Filter Elements and Separators
Air Filter Engineering (AFE)
Bea Filtri
Beko
CompAir
CTA
Dollinger (SPX)
Deltech (SPX)
(Parker) Domnick Hunter Oil-X Evolution
(Parker) Domnick Hunter Oil-X amd Oil-X Plus Advantage
(Parker) Domnick Hunter
Donaldson DF Series
Donaldson Ultrafilter 90 Series
Donaldson Ultrafilter 80 Series
Donaldson Ultrafilter 70 Series
(Parker) Finite
Gemoc
Hankison (SPX)
Hi-Line
(Parker) Hiross
HPC
Hydrovane
Ingersoll Rand
Kaeser
Mikropor
MTA
Norgren
Omega
Pneumatic Products (SPX)
Sullair
Trocair
(Parker) Zander

Air Filter Engineering

Replacement filter elements manufactured by Walker Filtration Ltd to fit AFE filter housings.

Grade X5 - 5 Micron

Walker model	Replaces	Price (£)
AE010X5	EA10P	
AE015X5	EA15P	
AE020X5	EA20P	
AE030X5	EA30P	
AE055X5	EA55P	
AE095X5	EA95P	
AE150X5	EA150P	
AE220X5	EA220P	
AE290X5	EA290P	
AE430X5	EA430P	
AE625X5	EA625P	
AE775X5	EA775P	

Grade X1 - 1 Micron

Walker model	Replaces	Price (£)
AE010X1	EA10U	
AE015X1	EA15U	
AE020X1	EA20U	
AE030X1	EA30U	
AE055X1	EA55U	
AE095X1	EA95U	
AE150X1	EA150U	
AE220X1	EA220U	
AE290X1	EA290U	
AE430X1	EA430U	
AE625X1	EA625U	
AE775X1	EA775U	

Grade XA - 0.01 Micron

Walker model	Replaces	Price (£)
AE010XA	EA10H	
AE015XA	EA15H	
AE020XA	EA20H	
AE030XA	EA30H	
AE055XA	EA55H	
AE095XA	EA95H	
AE150XA	EA150H	
AE220XA	EA220H	
AE290XA	EA290H	
AE430XA	EA430H	
AE625XA	EA625H	
AE775XA	EA775H	

Grade XAA - 0.001 Micron

Walker model	Replaces	Price (£)
AE010XAA	EA10S	
AE015XAA	EA15S	
AE020XAA	EA20S	
AE030XAA	EA30S	
AE055XAA	EA55S	
AE095XAA	EA95S	
AE150XAA	EA150S	
AE220XAA	EA220S	
AE290XAA	EA290S	
AE430XAA	EA430S	
AE625XAA	EA625S	
AE775XAA	EA775S	

Grade AC - Activated Carbon

Walker model	Replaces	Price (£)
AE010AC	EA10C	
AE015AC	EA15C	
AE020AC	EA20C	
AE030AC	EA30C	
AE055AC	EA55C	
AE095AC	EA95C	
AE150AC	EA150C	
AE220AC	EA220C	
AE290AC	EA290C	
AE430AC	EA430C	
AE625AC	EA625C	
AE775AC	EA775C	

Certified Performance

All Walker Filtration Alternative Elements deliver performance that is equal or superior to the original manufacturers' specifications.

Bea Filtri

Replacement filter elements manufactured by Walker Filtration Ltd to fit BEA FILTRI filter housings.

Grade X1 - 1 Micron

Walker model	Replaces	Price (£)
BF30 X1	ARS30 RB	
BF100 X1	ARS100 RB	
BF180 X1	ARS180 RB	
BF290 X1	ARS290 RB	
BF460 X1	ARS460 RB	
BF610 X1	ARS610 RB	
BF930 X1	ARS930 RB	
BF1050 X1	ARS1050 RB	
BF1400 X1	ARS1400 RB	
BF0501 X1	FCY0501 RC	
BF1001 X1	FCY1001 RC	
BF2001 X1	FCY2001RC	
BF2501 X1	FCY2501 RC	
BF3001 X1	FCY3001 RC	
BF4001 X1	FCY4001 RC	

Grade XA - 0.01 Micron Oil Removal

Walker model	Replaces	Price (£)
BF30 XA	ARS30 RA	
BF100 XA	ARS100 RA	
BF180 XA	ARS180 RA	
BF290 XA	ARS290 RA	
BF460 XA	ARS460 RA	
BF610 XA	ARS610 RA	
BF930 XA	ARS930 RA	
BF1050 XA	ARS1050 RA	
BF1400 XA	ARS1400 RA	
BF0501 XA	FCY0501 RA	
BF1001 XA	FCY1001 RA	
BF2001 XA	FCY2001 RA	
BF2501 XA	FCY2501 RA	
BF3001 XA	FCY3001 RA	
BF4001 XA	FCY4001 RA	

Grade RX1 - 1 Micron Dust

Walker model	Replaces	Price (£)
BF30 RX1	ARS30 RF	
BF100 RX1	ARS100 RF	
BF180 RX1	ARS180 RF	
BF290 RX1	ARS290 RF	
BF460 RX1	ARS460 RF	
BF610 RX1	ARS610 RF	
BF930 RX1	ARS930 RF	
BF1050 RX1	ARS1050 RF	
BF1400 RX1	ARS1400 RF	
BF0501 RX1	FCY0501 RF	
BF1001 RX1	FCY1001 RF	
BF2001 RX1	FCY2001RF	
BF2501 RX1	FCY2501 RF	
BF3001 RX1	FCY3001 RF	
BF4001 RX1	FCY4001 RF	

Grade AC - Activated Carbon

Walker model	Replaces	Price (£)
BF30 AC	ARS30 CA	
BF100 AC	ARS100 CA	
BF180 AC	ARS180 CA	
BF290 AC	ARS290 CA	
BF460 AC	ARS460 CA	
BF610 AC	ARS610 CA	
BF930 AC	ARS930 CA	
BF1050 AC	ARS1050 CA	
BF1400 AC	ARS1400 CA	
BF0501 AC	FCY0501 CA	
BF1001 AC	FCY1001 CA	
BF2001 AC	FCY2001 CA	
BF2501 AC	FCY2501 CA	
BF3001 AC	FCY3001 CA	
BF4001 AC	FCY4001 CA	

Beko Clearpoint

Replacement filter elements manufactured by Walker Filtration Ltd to fit BEKO filter housings.

Grade X25 - 25 Micron

Walker model	Replaces	Price (£)
BK04X25	4C	
BK05X25	5C	
BK06X25	6C	
BK07X25	7C	
BK10X25	10C	
BK12X25	12C	
BK15X25	15C	
BK18X25	18C	
BK20X25	20C	
BK22X25	22C	
BK23X25	23C	
BK25X25	25C	
BK27X25	27C	
BK30X25	30C	
BK32X25	32C	

Grade X5 - 5 Micron

Walker model	Replaces	Price (£)
BK04X5	4G	
BK05X5	5G	
BK06X5	6G	
BK07X5	7G	
BK10X5	10G	
BK12X5	12G	
BK15X5	15G	
BK18X5	18G	
BK20X5	20G	
BK22X5	22G	
BK23X5	23G	
BK25X5	25G	
BK27X5	27G	
BK30X5	30G	
BK32X5	32G	

Grade X1 - 1 Micron

Walker model	Replaces	Price (£)
BK04X1	4F	
BK05X1	5F	
BK06X1	6F	
BK07X1	7F	
BK10X1	10F	
BK12X1	12F	
BK15X1	15F	
BK18X1	18F	
BK20X1	20F	
BK22X1	22F	
BK23X1	23F	
BK25X1	25F	
BK27X1	27F	
BK30X1	30F	
BK32X1	32F	

Grade XA - 0.01 Micron

Walker model	Replaces	Price (£)
BK04XA	4S	
BK05XA	5S	
BK06XA	6S	
BK07XA	7S	
BK10XA	10S	
BK12XA	12S	
BK15XA	15S	
BK18XA	18S	
BK20XA	20S	
BK22XA	22S	
BK23XA	23S	
BK25XA	25S	
BK27XA	27S	
BK30XA	30S	
BK32XA	32S	

Grade AC - Activated Carbon

Walker model	Replaces	Price (£)
BK04AC	4A	
BK05AC	5A	
BK06AC	6A	
BK07AC	7A	
BK10AC	10A	
BK12AC	12A	
BK15AC	15A	
BK18AC	18A	
BK20AC	20A	
BK22AC	22A	
BK23AC	23A	
BK25AC	25A	
BK27AC	27A	
BK30AC	30A	
BK32AC	32A	

Compair

Replacement filter elements manufactured by Walker Filtration Ltd to fit COMPAIR filter housings.

Grade X25 - 25 Micron

Walker model	Replaces	Price (£)
COM0005 X25	CE 0005 A	
COM0010 X25	CE 0010 A	
COM0018 X25	CE 0018 A	
COM0036 X25	CE 0036 A	
COM0087 X25	CE 0087 A	
COM0132 X25	CE 0132 A	
COM0198 X25	CE 0198 A	
COM0258 X25	CE 0258 A	
COM0372 X25	CE 0372 A	

Grade X1 - 1 Micron

Walker model	Replaces	Price (£)
COM0005 X1	CE 0005 B	
COM0010 X1	CE 0010 B	
COM0018 X1	CE 0018 B	
COM0036 X1	CE 0036 B	
COM0087 X1	CE 0087 B	
COM0132 X1	CE 0132 B	
COM0198 X1	CE 0198 B	
COM0258 X1	CE 0258 B	
COM0372 X1	CE 0372 B	

Grade XA - 0.01 Micron

Walker model	Replaces	Price (£)
COM0005 XA	CE 0005 C	
COM0010 XA	CE 0010 C	
COM0018 XA	CE 0018 C	
COM0036 XA	CE 0036 C	
COM0087 XA	CE 0087 C	
COM0132 XA	CE 0132 C	
COM0198 XA	CE 0198 C	
COM0258 XA	CE 0258 C	
COM0372 XA	CE 0372 C	

Grade RX1 - 1 Micron Dust

Walker model	Replaces	Price (£)
COM0005 RX1	CE 0005 E	
COM0010 RX1	CE 0010 E	
COM0018 RX1	CE 0018 E	
COM0036 RX1	CE 0036 E	
COM0087 RX1	CE 0087 E	
COM0132 RX1	CE 0132 E	
COM0198 RX1	CE 0198 E	
COM0258 RX1	CE 0258 E	
COM0372 RX1	CE 0372 E	

Grade ACS - Activated Carbon (simplex element)

Walker model	Replaces	Price (£)
COM0005 ACS	CE 0005 D	
COM0010 ACS	CE 0010 D	
COM0018 ACS	CE 0018 D	
COM0036 ACS	CE 0036 D	
COM0087 ACS	CE 0087 D	
COM0132 ACS	CE 0132 D	
COM0198 ACS	CE 0198 D	
COM0258 ACS	CE 0258 D	
COM0372 ACS	CE 0372 D	

Grade AC - Activated Carbon (duplex element)

Walker model	Replaces	Price (£)
COM0004 AC	CE0004 D	
COM0008 AC	CE0008 D	
COM0015 AC	CE0015 D	
COM0024 AC	CE0024 D	
COM0039 AC	CE0039 D	
COM0051 AC	CE0051 D	

Grade X1 - 1 Micron (original grade GPP)

Walker model	Replaces	Price (£)
COM21 X1	98245/121	
COM22 X1	98245/122	
COM23 X1	98245/123	
COM25 X1	98245/125	
COM26 X1	98245/126	
COM27 X1	98245/127	
COM28 X1	98245/128	
COM29 X1	98245/129	
COM30 X1	98245/130	

Grade XA - 0.01 Micron Oil Removal (original grade OFP)

Walker model	Replaces	Price (£)
COM41 XA	98245/141	
COM42 XA	98245/142	
COM43 XA	98245/143	
COM45 XA	98245/145	
COM46 XA	98245/146	
COM47 XA	98245/147	
COM48 XA	98245/148	
COM49 XA	98245/149	
COM50 XA	98245/150	

Grade AC - Activated Carbon (original grade OVR)

Walker model	Replaces	Price (£)
COM61 AC	98245/161	
COM62 AC	98245/162	
COM63 AC	98245/163	
COM64 AC	98245/164	
COM65 AC	98245/165	
COM66 AC	98245/166	
COM67 AC	98245/167	
COM68 AC	98245/168	
COM69 AC	98245/169	
COM70 AC	98245/170	

Grade X1 - 1 Micron (original grade GPP)

Walker model	Replaces	Price (£)
COM22 X1	98245/21	
COM23 X1	98245/22	
COM25 X1	98245/23	
COM26 X1	98245/25	
COM27 X1	98245/27	
COM28 X1	98245/28	
COM29 X1	98245/29	

Grade XA - 0.01 Micron Oil Removal (original grade OFP)

Walker model	Replaces	Price (£)
COM42 XA	98245/41	
COM43 XA	98245/42	
COM45 XA	98245/43	
COM46 XA	98245/45	
COM47 XA	98245/47	
COM48 XA	98245/48	
COM49 XA	98245/49	

Grade AC - Activated Carbon (original grade OVR)

Walker model	Replaces	Price (£)
COM62 AC	98245/62	
COM65 AC	98245/65	
COM67 AC	98245/67	
COM68 AC	98245/68	

CTA

Replacement filter elements manufactured by Walker Filtration Ltd to fit CTA filter housings.

Grade P - 3 Micron

Walker model	Replaces	Price (£)
CT06050P	06050P	
CT07050P	07050P	
CT12075P	12075P	
CT14050P	14050P	
CT22075P	22075P	
CT32075P	32075P	
CT50075P	50075P	
CT51090P	51090P	
CT75140P	75140P	
CT76090P	76090P	

Grade M - 1 Micron

Walker model	Replaces	Price (£)
CT06050M	06050M	
CT07050M	07050M	
CT12075M	12075M	
CT14050M	14050M	
CT22075M	22075M	
CT32075M	32075M	
CT50075M	50075M	
CT51090M	51090M	
CT75140M	75140M	
CT76090M	76090M	

Grade S - 0.01 Micron

Walker model	Replaces	Price (£)
CT06050S	06050S	
CT07050S	07050S	
CT12075S	12075S	
CT14050S	14050S	
CT22075S	22075S	
CT32075S	32075S	
CT50075S	50075S	
CT51090S	51090S	
CT75140S	75140S	
CT76090S	76090S	

Grade A - Activated Carbon

Walker model	Replaces	Price (£)
CT06050A	06050A	
CT07050A	07050A	
CT12075A	12075A	
CT14050A	14050A	
CT22075A	22075A	
CT32075A	32075A	
CT50075A	50075A	
CT51090A	51090A	
CT75140A	75140A	
CT76090A	76090A	

Dollinger (SPX)

Replacement filter elements manufactured by Walker Filtration Ltd to fit DOLLINGE (SPX) filter housings.

Walker model	Replaces	Price (£)
D006 (grade)	501130 (grade)	
D013 (grade)	501135 (grade)	
D025 (grade)	501177 (grade)	
D040 (grade)	501210 (grade)	
D085 (grade)	501254 (grade)	
D195 (grade)	501455 (grade)	
D400 (grade)	501494 (grade)	
D500 (grade)	501375 (grade)	

Grade AC - Activated Carbon

Walker model	Replaces	Price (£)
D006 AC	501130	
D013 AC	501135	
D025 AC	501177	
D040 AC	501210	
D085 AC	501254	
D195 AC	501455	
D400 AC	501494	
D500 AC	501375	

Grade:
X25 - 25 Micron
X1 - 1 Micron
XA - 0.01 Micron

Technical Excellence

Walker Filtration's superior technical ability, exceptional product performance and competitive pricing make our Alternative Elements the replacement filter elements of choice.

Deltech (SPX)

Replacement filter elements manufactured by Walker Filtration Ltd to fit DELTECH (SPX) filter housings.

Grade E - Dual Stage

Walker model	Replaces	Price (£)
DE811E	811E	
DE812E	812E	
DE813E	813E	
DE814E	814E	
DE815E	815E	
DE816E	816E	
DE817E	817E	
DE818E	818E	
DE819E	819E	
DE820E	820E	
DE830E	830E	
DE831E	831E	

Grade PX1 - 1 Micron Dust

Walker model	Replaces	Price (£)
DE0009 PX1	DFD 9	
DE0018 PX1	DFD 18	
DE0036 PX1	DFD 36	
DE0054 PX1	DFD 54	
DE0090 PX1	DFD 90	
DE0135 PX1	DFD 135	
DE0216 PX1	DFD 216	
DE0285 PX1	DFD 285	
DE0405 PX1	DFD 405	
DE0540 PX1	DFD 540	
DE0750 PX1	DFD 750	

Grade XA - 0.01 Micron

Walker model	Replaces	Price (£)
DE0009 XA	HFD 9	
DE0018 XA	HFD 18	
DE0036 XA	HFD 36	
DE0054 XA	HFD 54	
DE0090 XA	HFD 90	
DE0135 XA	HFD 135	
DE0216 XA	HFD 216	
DE0285 XA	HFD 285	
DE0405 XA	HFD 405	
DE0540 XA	HFD 540	
DE0750 XA	HFD 750	

Grade CC - Colour Change

Walker model	Replaces	Price (£)
DE110 CC	DFE110E	
DE115 CC	DFE115E	
DE130 CC	DFE130E	
DE150 CC	DFE150E	

Grade AC - Activated Carbon

Walker model	Replaces	Price (£)
DE0009 AC	CFD 9	
DE0018 AC	CFD 18	
DE0036 AC	CFD 36	
DE0054 AC	CFD 54	
DE0090 AC	CFD 90	
DE0135 AC	CFD 135	
DE0216 AC	CFD 216	
DE0285 AC	CFD 285	
DE0405 AC	CFD 405	
DE0540 AC	CFD 540	
DE0750 AC	CFD 750	

Grade AC - Activated Carbon

Walker model	Replaces	Price (£)
DE110 AC	DE110KE	
DE115 AC	DE115KE	
DE130 AC	DE130KE	
DE150 AC	DE150KE	
DE850 AC	850CFD	
DE853 AC	853CFD	
DE854 AC	854CFD	
DE873 AC	873CFD	
DE874 AC	874CFD	
DE875 AC	875CFD	
DE105 AC	105CFD	
DE112 AC	112CFD	
DE121 AC	121CFD	
DE121 AC-OS	121CFD-OS	

Grade X1 - 1 Micron

Walker model	Replaces	Price (£)
DE0009 X1	PFD 9	
DE0018 X1	PFD 18	
DE0036 X1	PFD 36	
DE0054 X1	PFD 54	
DE0090 X1	PFD 90	
DE0135 X1	PFD 135	
DE0216 X1	PFD 216	
DE0285 X1	PFD 285	
DE0405 X1	PFD 405	
DE0540 X1	PFD 540	
DE0750 X1	PFD 750	

Walker model	Replaces	Price (£)
DE0005 (grade)	D-0005 (grade)	
DE0010 (grade)	D-0010 (grade)	
DE0020 (grade)	D-0020 (grade)	
DE0050 (grade)	D-0050 (grade)	
DE0100 (grade)	D-0100 (grade)	
DE0175 (grade)	D-0175 (grade)	
DE0250 (grade)	D-0250 (grade)	
DE0400 (grade)	D-0400 (grade)	
DE0600 (grade)	D-0600 (grade)	
DE0750 (grade)	D-0750 (grade)	

Grade:
X1 replaces grade CCE (1 Micron General Purpose)
XA replaces grade CFE (0.01 Micron High Efficiency)
AC replaces grade VFE (Activated Carbon)

Grade PX1 - 1 Micron Dust

Walker model	Replaces	Price (£)
DE0010 PX1	D-0010 PFE	
DE0020 PX1	D-0020 PFE	
DE0050 PX1	D-0050 PFE	
DE0100 PX1	D-0100 PFE	
DE0170 PX1	D-0170 PFE	
DE0300 PX1	D-0300 PFE	
DE0405 PX1	D-0405 PFE	
DE0510 PX1	D-0510 PFE	
DE0850 PX1	D-0850 PFE	
DE1020 PX1	D-1020 PFE	

Walker model	Replaces	Price (£)
DE850 (grade)	850 (grade)	
DE851 (grade)	851 (grade)	
DE852 (grade)	852 (grade)	
DE870 (grade)	870 (grade)	
DE871 (grade)	871 (grade)	
DE872 (grade)	872 (grade)	
DE101 (grade)	8101 (grade)	
DE102 (grade)	8102 (grade)	
DE111 (grade)	8111 (grade)	
DE113 (grade)	8113 (grade)	
DE201 (grade)	8201 (grade)	
DE202 (grade)	8202 (grade)	

Grade:
X1 replaces grade PFD (1 Micron)
XA replaces grade HFD (0.01 Micron)
AC replaces grade CFD (Activated Carbon)
RX1 replaces grade DFD (1 Micron Dust)

(Parker) Domnick Hunter Oil-X Evolution

Replacement filter elements manufactured by Walker Filtration Ltd to fit housings made by (PARKER) DOMNICK HUNTER Ltd.

Grade EX1 - 1 Micron

Walker model	Replaces	Price (£)
D005 EX1	005AO	
D010 EX1	010AO	
D015 EX1	015AO	
D020 EX1	020AO	
D025 EX1	025AO	
D030 EX1	030AO	
D035 EX1	035AO	
D040 EX1	040AO	
D045 EX1	045AO	
D050 EX1	050AO	
D055 EX1	055AO	
D060 EX1	060AO	
D100 EX1	100AO	

Grade EXA - 0.01 Micron / 0.01mg/m³ Oil Removal

Walker model	Replaces	Price (£)
D005 EXA	005AA	
D010 EXA	010AA	
D015 EXA	015AA	
D020 EXA	020AA	
D025 EXA	025AA	
D030 EXA	030AA	
D035 EXA	035AA	
D040 EXA	040AA	
D045 EXA	045AA	
D050 EXA	050AA	
D055 EXA	055AA	
D060 EXA	060AA	
D100 EXA	100AA	

Grade EACS - Activated Carbon (simplex element)

Walker model	Replaces	Price (£)
D005 EACS	005ACS	
D010 EACS	010ACS	
D015 EACS	015ACS	
D020 EACS	020ACS	
D025 EACS	025ACS	
D030 EACS	030ACS	
D035 EACS	035ACS	
D040 EACS	040ACS	
D045 EACS	045ACS	
D050 EACS	050ACS	
D055 EACS	055ACS	
D060 EACS	060ACS	
D100 EACS	100ACS	

Grade EAC - Activated Carbon (duplex element)

Walker model	Replaces	Price (£)
D010 EAC	010AC	
D015 EAC	015AC	
D020 EAC	020AC	
D025 EAC	025AC	
D030 EAC	030AC	

Grade ERX1 - 1 Micron Dust

Walker model	Replaces	Price (£)
D005 ERX1	005AR	
D010 ERX1	010AR	
D015 ERX1	015AR	
D020 ERX1	020AR	
D025 ERX1	025AR	
D030 ERX1	030AR	
D035 ERX1	035AR	
D040 ERX1	040AR	
D045 ERX1	045AR	
D050 ERX1	050AR	
D055 ERX1	055AR	
D060 ERX1	060AR	
D100 ERX1	100AR	

Grade EXA - 0.01 Micron / 0.01mg/m³ Oil Removal

Walker model	Replaces	Price (£)
D005 EXA	005AA	
D010 EXA	010AA	
D015 EXA	015AA	
D020 EXA	020AA	
D025 EXA	025AA	
D030 EXA	030AA	
D035 EXA	035AA	
D040 EXA	040AA	
D045 EXA	045AA	
D050 EXA	050AA	
D055 EXA	055AA	
D060 EXA	060AA	
D100 EXA	100AA	

Grade EMV - Medical Vacuum

Walker model	Replaces	Price (£)
D010 EMV	010MV	
D015 EMV	015MV	
D020 EMV	020MV	
D025 EMV	025MV	
D030 EMV	030MV	
D035 EMV	035MV	
D040 EMV	040MV	
D045 EMV	045MV	
D050 EMV	050MV	
D055 EMV	055MV	
D060 EMV	060MV	

(Parker) Domnick Hunter Oil-X and Oil-X Plus Advantage

Replacement filter elements manufactured by Walker Filtration Ltd to fit housings made by (PARKER) DOMNICK HUNTER Ltd.

Grade X25 - 25 Micron Pre Filter

Walker model	Replaces	Price (£)
D009 X25	K009PF	
D017 X25	K017PF	
D030 X25	K030PF	
D058 X25	K058PF	
D145 X25	K145PF	
D220 X25	K220PF	
D330 X25	K330PF	
D430 X25	K430PF	
D620 X25	K620PF	

Grade PX1 - 1 Micron

Walker model	Replaces	Price (£)
D009 PX1	K009AO	
D017 PX1	K017AO	
D030 PX1	K030AO	
D058 PX1	K058AO	
D145 PX1	K145AO	
D220 PX1	K220AO	
D330 PX1	K330AO	
D430 PX1	K430AO	
D620 PX1	K620AO	

Grade PXA - 0.01 Micron / 0.01mg/m³ Oil Removal

Walker model	Replaces	Price (£)
D009 PXA	K009AA	
D017 PXA	K017AA	
D030 PXA	K030AA	
D058 PXA	K058AA	
D145 PXA	K145AA	
D220 PXA	K220AA	
D330 PXA	K330AA	
D430 PXA	K430AA	
D620 PXA	K620AA	

Grade XAA - 0.001 Micron / 0.001 mg/m³ Oil Removal

Walker model	Replaces	Price (£)
D009 XAA	K009AX	
D017 XAA	K017AX	
D030 XAA	K030AX	
D058 XAA	K058AX	
D145 XAA	K145AX	
D220 XAA	K220AX	
D330 XAA	K330AX	
D430 XAA	K430AX	
D620 XAA	K620AX	

Grade PRX1 - 1 Micron

Walker model	Replaces	Price (£)
D009 PRX1	K009AR	
D017 PRX1	K017AR	
D030 PRX1	K030AR	
D058 PRX1	K058AR	
D145 PRX1	K145AR	
D220 PRX1	K220AR	
D330 PRX1	K330AR	
D430 PRX1	K430AR	
D620 PRX1	K620AR	

Grade PRXA - 0.01 Micron / 0.01mg/m³ Oil Removal

Walker model	Replaces	Price (£)
D009 PRXA	K009AAR	
D017 PRXA	K017AAR	
D030 PRXA	K030AAR	
D058 PRXA	K058AAR	
D145 PRXA	K145AAR	
D220 PRXA	K220AAR	
D330 PRXA	K330AAR	
D430 PRXA	K430AAR	
D620 PRXA	K620AAR	

Grade ACS - Activated Carbon (simplex element)

Walker model	Replaces	Price (£)
D009 ACS	K009ACS	
D017 ACS	K017ACS	
D030 ACS	K030ACS	
D058 ACS	K058ACS	
D145 ACS	K145ACS	
D220 ACS	K220ACS	
D330 ACS	K330ACS	
D430 ACS	K430ACS	
D620 ACS	K620ACS	

Technical Notes

All replacement filter elements supplied against Domnick Hunter 'K' references are supplied with O-ring kits.

(Parker) Domnick Hunter Oil-X and Oil-X Plus Advantage

Replacement filter elements manufactured by Walker Filtration Ltd to fit housings made by (PARKER) DOMNICK HUNTER Ltd.

Grade EX1 - 1 Micron

Walker model	Replaces	Price (£)
D006 X25	K006PF	
D013 X25	K013PF	
D025 X25	K025PF	
D040 X25	K040PF	
D085 X25	K085PF	
D195 X25	K195PF	
D295 X25	K295PF	
D400 X25	K400PF	
D500 X25	K500PF	

Grade X1 - 1 Micron

Walker model	Replaces	Price (£)
D006 X1	K006AO	
D013 X1	K013AO	
D025 X1	K025AO	
D040 X1	K040AO	
D085 X1	K085AO	
D195 X1	K195AO	
D295 X1	K295AO	
D400 X1	K400AO	
D500 X1	K500AO	

Grade XA - 0.01 Micron / 0.01 mg/m³ Oil Removal

Walker model	Replaces	Price (£)
D006 XA	K006AA	
D013 XA	K013AA	
D025 XA	K025AA	
D040 XA	K040AA	
D085 XA	K085AA	
D195 XA	K195AA	
D295 XA	K295AA	
D400 XA	K400AA	
D500 XA	K500AA	

Grade XAA - 0.001 Micron / 0.001 mg/m³ Oil Removal

Walker model	Replaces	Price (£)
D006 XAA	K006AX	
D013 XAA	K013AX	
D025 XAA	K025AX	
D040 XAA	K040AX	
D085 XAA	K085AX	
D195 XAA	K195AX	
D295 XAA	K295AX	
D400 XAA	K400AX	
D500 XAA	K500AX	

Grade ACS - Activated Carbon

Walker model	Replaces	Price (£)
D006 ACS	K006ACS	
D013 ACS	K013ACS	
D025 ACS	K025ACS	
D040 ACS	K040ACS	
D085 ACS	K085ACS	
D195 ACS	K195ACS	
D295 ACS	K295ACS	
D400 ACS	K400ACS	
D500 ACS	K500ACS	

Grade AC - Activated Carbon (duplex element)

Walker model	Replaces	Price (£)
D006 AC	K006AC	
D013 AC	K013AC	
D025 AC	K025AC	
D040 AC	K040AC	
D065 AC	K065AC	
D085 AC	K085AC	

Grade MV - Medical Vacuum

Walker model	Replaces	Price (£)
D025 MV	K025PL	
D040 MV	K040PL	
D085 MV	K085PL	
D195 MV	K195PL	
D400 MV	K400PL	

Grade HC - Hopcolite Replacement Elements

Walker model	Replaces	Price (£)
D013 HC	K013HC	
D035 HC	K035HC	
D040 HC	K040HC	

Technical Notes

All replacement filter elements supplied against Domnick Hunter 'K' references are supplied with O-ring kits.

(Parker) Domnick Hunter

Replacement filter elements manufactured by Walker Filtration Ltd to fit housings made by (PARKER) DOMNICK HUNTER Ltd.

Grade X25 - 25 Micron Pre Filter

Walker model	Replaces	Price (£)
D007 X25	K007PF	
D011 X25	K011PF	
D035 X25	K035PF	
D060 X25	K060PF	
D120 X25	K120PF	
D200 X25	K200PF	
D250 X25	K250PF	
D300 X25	K300PF	
D360 X25	K360PF	

Grade AS - Sterile Filters

Walker model	Replaces	Price (£)
D2AS	C2ME & MESR	
D3AS	C3ME & MESR	
D4AS	C4ME & MESR	
D8AS	C8ME & MESR	
D12AS	C12ME & MESR	
D12ASB	C12MERBSR	
D24AS	C24ME & MESR	
D24ASB	C24MERBSR	
D36ASB	C36MERBSR	

Grade AC - Activated Carbon

Walker model	Replaces	Price (£)
D4 AC	C4AC	
D8 AC	C8AC	
D12 AC	C12AC	
D12 ACB	C12ACDB	
D24 ACB	C24ACDB	
D155 AC	C155ACD	
D245 AC	C245ACD	
D011 AC	ABN 1	
D011 AC	E011AC	
D060 AC	E060AC	
D120 AC	E120AC	
D200 AC	E200AC	
D250 AC	E250AC	
D300 AC	E300AC	
D360 AC	E360AC	

Grade X1 - 1 Micron

Walker model	Replaces	Price (£)
D3 X1	C3MS	
D4 X1	C4MS	
D8 X1	C8MS	
D12 DX1	C12MSD	
D12 X1	C12MS	
D12 BX1	C12MSDB	
D24 BX1	C24MSDB	
D155 X1	C155MSD	
D185 X1	C185MSD	
D245 X1	C245MSD	
D007 X1	K007AO	
D011 X1	K011AO	
D035 X1	K035AO	
D060 X1	K060AO	
D120 X1	K120AO	
D200 X1	K200AO	
D250 X1	K250AO	
D300 X1	K300AO	
D360 X1	K360AO	

Grade XA - 0.01 Micron Oil Removal

Walker model	Replaces	Price (£)
D2 XA	C2EPO	
D3 XA	C3EPO	
D4 XA	C4EPO	
D8 XA	C8EPO	
D12 XA	C12EPO	
D24 XA	C24EPO	
D12 DXA	C12D	
D12B XA	C12DB	
D24B XA	C24DB	
D155 XA	C155D	
D185 XA	C185D	
D245 XA	C245D	
D305 XA	C305D	
D007 XA	K007AA	
D011 XA	K011AA	
D035 XA	K035AA	
D060 XA	K060AA	
D120 XA	K120AA	
D200 XA	K200AA	
D250 XA	K250AA	
D300 XA	K300AA	
D360 XA	K360AA	

Grade MV - Medical Vacuum

Walker model	Replaces	Price (£)
D3 MV	C3CT	
D4 MV	C4CT	
D8 MV	C8CT	
D12 MV	C12CT	
D12 BMV	C12CTDB	
D24 BMV	C24CTDB	
D125 MV	C125CTD	
D155 MV	C155CTD	
D185 MV	C185CTD	
D245 MV	C245CTD	
D011 MV	E011CT	
D035 MV	E035CT	
D060 MV	E060CT	
D120 MV	E120CT	
D250 MV	E250CT	
D360 MV	E360CT	

(Parker) Domnick Hunter

Replacement filter elements manufactured by Walker Filtration Ltd to fit housings made by (PARKER) DOMNICK HUNTER Ltd.

High Temperature Requirement Filter Elements

Grade TX1 - 1 Micron High Temperature

Walker model	Replaces	Price (£)
D4 TX1	C4MSTS	
D8 TX1	C8MSTS	
D12 TX1	C12MSTS	
D12 BTX1	C12MSDTS	
D24 BTX1	C24MSDBTS	
D155 TX1	C155MSDTS	
D185 TX1	C185MSDTS	
D245 TX1	C245MSDTS	
D007 TX1	E007AOTS	
D011 TX1	E011AOTS	
D035 TX1	E035AOTS	
D060 TX1	E060AOTS	
D085 TX1	E085AOTS	
D120 TX1	E120AOTS	
D195 TX1	K195AOTS	
D200 TX1	E200AOTS	
D250 TX1	E250AOTS	
D295 TX1	K295AOTS	
D300 TX1	E300AOTS	
D360 TX1	E360AOTS	
D500 TX1	K500AOTS	

Grade TX1 - 1 Micron High Temperature

Walker model	Replaces	Price (£)
D2 TXA	C2TS	
D3 TXA	C3TS	
D4 TXA	C4TS	
D8 TXA	C8TS	
D12 TXA	C12TS	
D12 BTXA	C12DBTS	
D24 BTXA	C24DBTS	
D155 TXA	C155DTS	
D185 TXA	C185DTS	
D245 TXA	C245DTS	
D305 TXA	C305DTS	
D007 TXA	E007AATS	
D011 TXA	E011AATS	
D035 TXA	E035AATS	
D060 TXA	E060AATS	
D085 TXA	E085AATS	
D120 TXA	E120AATS	
D195 TXA	K195AATS	
D200 TXA	E200AATS	
D250 TXA	E250AATS	
D295 TXA	K295AATS	
D300 TXA	E300AATS	
D360 TXA	E360AATS	
D500 TXA	K500AATS	

Ammonia Filter Elements (NH^3) - 1 Micron

Walker model	Replaces	Price (£)
D12BX1NH³	C12MSDBNH³	
D24BX1NH³	C24MSDBNH³	
D245BX1NH³	C245MSDNH³	
D120X1NH³	E120AONH³	
D250X1NH³	E250AONH³	
D360X1NH³	E360AONH³	

Ammonia Filter Elements (NH^3) - 0.01 Micron

Walker model	Replaces	Price (£)
D12BXANH³	C12DBNH³	
D24BXANH³	C24DBNH³	
D245XANH³	C245DNH³	
D120XANH³	E120AANH³	
D250XANH³	E250AANH³	
D360XANH³	E360AANH³	

Grade ASR - Sterile Filters

Walker model	Replaces	Price (£)
D2 ASR	MER2SRH / MER2SRL	
D3 ASR	MER3SRH / MER3SRL	
D4 ASR	MER4SRH	
D8 ASR	MER8SRH	
D12 ASR	MER12SRH	
D24 ASR	MER24SRH	

Donaldson DF Series

Replacement filter elements manufactured by Walker Filtration Ltd to fit DONALDSON DF series.

Grade X5 - 5 Micron Pre Filter

Walker model	Replaces	Price (£)
DU0035X5	0035V / 1C486003	
DU0070X5	0070V / 1C486013	
DU0120X5	0120V / 1C486023	
DU9210X5	9210V / 1C486033	
DU0320X5	0320V / 1C486043	
DU0450X5	0450V / 1C486053	
DU0600X5	0600V / 1C486063	
DU0750X5	0750V / 1C486073	
DU1100X5	1100V / 1C486083	

Grade X1 - 1 Micron Oil Removal

Walker model	Replaces	Price (£)
DU0035X1	0035M / 1C486001	
DU0070X1	0070M / 1C486011	
DU0120X1	0120M / 1C486021	
DU0210X1	0210M / 1C486031	
DU0320X1	0320M / 1C486041	
DU0450X1	0450M / 1C486051	
DU0600X1	0600M / 1C486061	
DU0750X1	0750M / 1C486071	
DU1100X1	1100M / 1C486081	

Grade XA - 0.01 Micron Oil Removal

Walker model	Replaces	Price (£)
DU0035XA	0035S / 1C486000	
DU0070XA	0070S / 1C486010	
DU0120XA	0120S / 1C486020	
DU0210XA	0210S / 1C486030	
DU0320XA	0320S / 1C486040	
DU0450XA	0450S / 1C486050	
DU0600XA	0600S / 1C486060	
DU0750XA	0750S / 1C486070	
DU1100XA	1100S / 1C486080	

Grade AC - Activated Carbon

Walker model	Replaces	Price (£)
DU0035AC	0035A / 1C486006	
DU0070AC	0070A / 1C486016	
DU0120AC	0120A / 1C486026	
DU0210AC	0210A / 1C486036	
DU0320AC	0320A / 1C486046	
DU0450AC	0450A / 1C486056	
DU0600AC	0600A / 1C486066	
DU0750AC	0750A / 1C486076	
DU1100AC	1100A / 1C486086	

Donaldson Ultrafilter 90 Series

Replacement filter elements manufactured by Walker Filtration Ltd to fit DONALDSON ULTRAFILTER 90 series.

Grade UV - 25 Micron Pre Filter

Walker model	Replaces	Price (£)
UV 0205	PE/V-PE 02/05	
UV 0210	PE/V-PE 02/10	
UV 0305	PE/V-PE 03/05	
UV 0310	PE/V-PE 03/10	
UV 0410	PE/V-PE 04/10	
UV 0420	PE/V-PE 04/20	
UV 0520	PE/V-PE 05/20	
UV 0525	PE/V-PE 05/25	
UV 0725	PE/V-PE 07/25	
UV 0730	PE/V-PE 07/30	
UV 1030	PE/V-PE 10/30	
UV 1530	PE/V-PE 15/30	
UV 2030	PE/V-PE 20/30	
UV 3030	PE/V-PE 30/30	
UV 3050	PE/V-PE 30/50	

Grade UFF - 1 Micron Oil Removal

Walker model	Replaces	Price (£)
UFF 0205	FF 02/05	
UFF 0210	FF 02/10	
UFF 0305	FF 03/05	
UFF 0310	FF 03/10	
UFF 0410	FF 04/10	
UFF 0420	FF 04/20	
UFF 0520	FF 05/20	
UFF 0525	FF 05/25	
UFF 0725	FF 07/25	
UFF 0730	FF 07/30	
UFF 1030	FF 10/30	
UFF 1530	FF 15/30	
UFF 2030	FF 20/30	
UFF 3030	FF 30/30	
UFF 3050	FF 30/50	

Grade UMF - 0.1 Micron Oil Removal

Walker model	Replaces	Price (£)
UMF 0205	MF 02/05	
UMF 0210	MF 02/10	
UMF 0305	MF 03/05	
UMF 0310	MF 03/10	
UMF 0410	MF 04/10	
UMF 0420	MF 04/20	
UMF 0520	MF 05/20	
UMF 0525	MF 05/25	
UMF 0725	MF 07/25	
UMF 0730	MF 07/30	
UMF 1030	MF 10/30	
UMF 1530	MF 15/30	
UMF 2030	MF 20/30	
UMF 3030	MF 30/30	
UMF 3050	MF 30/50	

Grade USM - 0.01 Micron Oil Removal

Walker model	Replaces	Price (£)
USM 0205	SMF 02/05	
USM 0210	SMF 02/10	
USM 0305	SMF 03/05	
USM 0310	SMF 03/10	
USM 0410	SMF 04/10	
USM 0420	SMF 04/20	
USM 0520	SMF 05/20	
USM 0525	SMF 05/25	
USM 0725	SMF 07/25	
USM 0730	SMF 07/30	
USM 1030	SMF 10/30	
USM 1530	SMF 15/30	
USM 2030	SMF 20/30	
USM 3030	SMF 30/30	
USM 3050	SMF 30/50	

Grade UAC - Activated Carbon

Walker model	Replaces	Price (£)
UAC 0205	AK 02/05	
UAC 0210	AK 02/10	
UAC 0305	AK 03/05	
UAC 0310	AK 03/10	
UAC 0410	AK 04/10	
UAC 0420	AK 04/20	
UAC 0520	AK 05/20	
UAC 0525	AK 05/25	
UAC 0725	AK 07/25	
UAC 0730	AK 07/30	
UAC 1030	AK 10/30	
UAC 1530	AK 15/30	
UAC 2030	AK 20/30	
UAC 3030	AK 30/30	
UAC 3050	AK 30/50	

Grade USR - Sterile Filters

Walker model	Replaces	Price (£)
USR 0205	SRF 02/05	
USR 0210	SRF 02/10	
USR 0305	SRF 03/05	
USR 0310	SRF 03/10	
USR 0410	SRF 04/10	
USR 0420	SRF 04/20	
USR 0520	SRF 05/20	
USR 0525	SRF 05/25	
USR 0725	SRF 07/25	
USR 0730	SRF 07/30	
USR 1030	SRF 10/30	
USR 1530	SRF 15/30	
USR 2030	SRF 20/30	
USR 3030	SRF 30/30	
USR 3050	SRF 30/50	

Replacement Elements for Donaldson Ultrafilter 90 Series HT/CR or HT/NX

Walker model	Replaces	Price (£)
UFF/UMF/USM 0205*	FF/MF/SMF 02/05	
UFF/UMF/USM 0305*	FF/MF/SMF 03/05	
UFF/UMF/USM 0310*	FF/MF/SMF 03/10	
UFF/UMF/USM 0410*	FF/MF/SMF 04/10	
UFF/UMF/USM 0420*	FF/MF/SMF 04/20	
UFF/UMF/USM 0520*	FF/MF/SMF 05/20	
UFF/UMF/USM 0525*	FF/MF/SMF 05/25	
UFF/UMF/USM 0725*	FF/MF/SMF 07/25	
UFF/UMF/USM 0730*	FF/MF/SMF 07/30	
UFF/UMF/USM 1030*	FF/MF/SMF 10/30	
UFF/UMF/USM 1530*	FF/MF/SMF 15/30	
UFF/UMF/USM 2030*	FF/MF/SMF 20/30	
UFF/UMF/USM 3030*	FF/MF/SMF 30/30	
UFF/UMF/USM 3050*	FF/MF/SMF 30/50	

*Please indicate grade required

Ordering Information

Walker Filtration supply both threaded (USR) and push-fit (UPSR) replacement filter elements.
Please indicate your preference when ordering.

Donaldson Ultrafilter 80 Series

Replacement filter elements manufactured by Walker Filtration Ltd to fit DONALDSON ULTRAFILTER 80 series.

Grade UV - 25 Micron Pre Filter

Walker model	Replaces	Price (£)
UV 310	V 3/1	
UV 315	V 3/1.5	
UV 415	V 4/1.5	
UV 425	V 4/2.5	
UV 525	V 5/2.5	
UV 530	V 5/3	
UV 103	V 10/3	
UV 153	V 15/3	
UV 203	V 20/3	
UV 303	V 30/3	
UV 305	V 30/5	

Grade USM - 0.01 Micron Oil Removal

Walker model	Replaces	Price (£)
USM 310	SMF 3/1	
USM 315	SMF 3/1.5	
USM 415	SMF 4/1.5	
USM 425	SMF 4/2.5	
USM 525	SMF 5/2.5	
USM 530	SMF 5/3	
USM 103	SMF 10/3	
USM 153	SMF 15/3	
USM 203	SMF 20/3	
USM 303	SMF 30/3	
USM 305	SMF 30/5	

Replacement Elements for Donaldson Ultrafilter 80 Series HT/CR or HT/NX

Walker model	Replaces	Price (£)
UFF/UMF/USM 310*	3/1 FF/MF/SMF	
UFF/UMF/USM 315*	3/1.5 FF/MF/SMF	
UFF/UMF/USM 415*	4/1.5 FF/MF/SMF	
UFF/UMF/USM 425*	4/2.5 FF/MF/SMF	
UFF/UMF/USM 525*	5/2.5 FF/MF/SMF	
UFF/UMF/USM 530*	5/3 FF/MF/SMF	
UFF/UMF/USM 103*	10/3 FF/MF/SMF	
UFF/UMF/USM 153*	15/3 FF/MF/SMF	
UFF/UMF/USM 203*	20/3 FF/MF/SMF	
UFF/UMF/USM 303*	30/3 FF/MF/SMF	
UFF/UMF/USM 305*	30/5 FF/MF/SMF	

*Please indicate grade required

Grade UFF - 1 Micron Oil Removal

Walker model	Replaces	Price (£)
UFF 310	FF 3/1	
UFF 315	FF 3/1.5	
UFF 415	FF 4/1.5	
UFF 425	FF 4/2.5	
UFF 525	FF 5/2.5	
UFF 530	FF 5/3	
UFF 103	FF 10/3	
UFF 153	FF 15/3	
UFF 203	FF 20/3	
UFF 303	FF 30/3	
UFF 305	FF 30/5	

Grade UAC - Activated Carbon

Walker model	Replaces	Price (£)
UAC 310	AK 3/1	
UAC 315	AK 3/1.5	
UAC 415	AK 4/1.5	
UAC 425	AK 4/2.5	
UAC 525	AK 5/2.5	
UAC 530	AK 5/3	
UAC 103	AK 10/3	
UAC 153	AK 15/3	
UAC 203	AK 20/3	
UAC 303	AK 30/3	
UAC 305	AK 30/5	

Grade UMF - 0.1 Micron Oil Removal

Walker model	Replaces	Price (£)
UMF 310	MF 3/1	
UMF 315	MF 3/1.5	
UMF 415	MF 4/1.5	
UMF 425	MF 4/2.5	
UMF 525	MF 5/2.5	
UMF 530	MF 5/3	
UMF 103	MF 10/3	
UMF 153	MF 15/3	
UMF 203	MF 20/3	
UMF 303	MF 30/3	
UMF 305	MF 30/5	

Grade USR - Sterile Filters

Walker model	Replaces	Price (£)
USR 310	SRF 3/1	
USR 315	SRF 3/1.5	
USR 415	SRF 4/1.5	
USR 425	SRF 4/2.5	
USR 525	SRF 5/2.5	
USR 530	SRF 5/3	
USR 103	SRF 10/3	
USR 153	SRF 15/3	
USR 203	SRF 20/3	
USR 303	SRF 30/3	
USR 305	SRF 30/5	

Ordering Information

Walker Filtration supply both threaded (USR) and push-fit (UPSR) replacement filter elements.
Please indicate your preference when ordering.

Donaldson Ultrafilter 70 Series

Replacement filter elements manufactured by Walker Filtration Ltd to fit DONALDSON ULTRAFILTER 70 series.

Grade UPE - 25 Micron Pre-Filter

Walker model	Replaces	Price (£)
UPE 215	V-PE 2/1.5	
UPE 415	V-PE 4/1.5	
UPE 43	V-PE 4/3	
UPE 83	V-PE 8/3	
UPE 1231S	V-PE 12/3 1"S	
UPE 1231G	V-PE 12/3 1"G	
UPE 1232S	V-PE 12/3 2"S	
UPE 2431G	V-PE 24/3 1"G	
UPE 2431S	V-PE 24/3 1"S	
UPE 2432S	V-PE 24/3 2"S	
UPE 155	V-PE 15/5	
UPE 245	V-PE 24/5	

Grade UFF - 1 Micron Pre-Filter

Walker model	Replaces	Price (£)
UFF 215	FF 2/1.5	
UFF 415	FF 4/1.5	
UFF 43	FF 4/3	
UFF 83	FF 8/3	
UFF 1231S	FF 12/3 1"S	
UFF 1231G	FF 12/3 1"G	
UFF 1232S	FF 12/3 2"S	
UFF 2431G	FF 24/3 1"G	
UFF 2431S	FF 24/3 1"S	
UFF 2432S	FF 24/3 2"S	
UFF 155	FF 15/5	
UFF 245	FF 24/5	

Grade UMF - 0.1 Micron Oil Removal

Walker model	Replaces	Price (£)
UMF 215	MF 2/1.5	
UMF 415	MF 4/1.5	
UMF 43	MF 4/3	
UMF 83	MF 8/3	
UMF 1231S	MF 12/3 1"S	
UMF 1231G	MF 12/3 1"G	
UMF 1232S	MF 12/3 2"S	
UMF 2431G	MF 24/3 1"G	
UMF 2431S	MF 24/3 1"S	
UMF 2432S	MF 24/3 2"S	
UMF 155	MF 15/5	
UMF 245	MF 24/5	

Grade UOL - 0.01 Micron Oil Removal

Walker model	Replaces	Price (£)
UOL 215	OL 2/1.5	
UOL 415	OL 4/1.5	
UOL 43	OL 4/3	
UOL 83	OL 8/3	
UOL 1231G	OL 12/3 1"G	
UOL 1231S	OL 12/3 1"S	
UOL 1232G	OL 12/3 2"G	
UOL 2431G	OL 24/3 1"G	
UOL 2431S	OL 24/3 1"S	
UOL 2432S	OL 24/3 2"S	
UOL 155	OL 15/5	
UOL 245	OL 24/5	

Grade UAC - Activated carbon

Walker model	Replaces	Price (£)
UAC 215	AK 2/1.5	
UAC 415	AK 4/1.5	
UAC 43	AK 4/3	
UAC 83	AK 8/3	
UAC 1231G	AK 12/3 1"G	
UAC 1232S	AK 12/3 2"S	
UAC 203	AK 20/3	
UAC 205	AK 20/5	

Grade USR - Sterile Filters

Walker model	Replaces	Price (£)
USR 215	SRF 2/1.5	
USR 215S	SRF 2/1.5S	
USR 415	SRF 4/1.5	
USR 415S	SRF 4/1.5S	
USR 43	SRF 4/3	
USR 43S	SRF 4/3S	
USR 83	SRF 8/3	
USR 83S	SRF 8/3S	
USR 1231G	SRF 12/3 1"G	
USR 123S	SRF 12/3S	
USR 1232G	SRF 12/3 2"G	
USR 2431G	SRF 24/3 1"G	
USR 2432G	SRF 24/3 2"G	
USR 245	SRF 24/5	

Ordering Information

Walker Filtration supply both threaded (USR) and push-fit (UPSR) replacement filter elements.
Please indicate your preference when ordering.

(Parker) Finite

Replacement filter elements manufactured by Walker Filtration Ltd to fit (PARKER) FINITE filter housings.

CU - Coalescing Borosilicate Glass Microfibre Tube

Walker model	Replaces	Price (£)
FN 10025CU (*)	(*) CU 10 025	
FN 10050CU (*)	(*) CU 10 050	
FN 15060CU (*)	(*) CU 15 060	
FN 15095CU (*)	(*) CU 15 095	
FN 20130CU (*)	(*) CU 20 130	
FN 20187CU (*)	(*) CU 20 187	
FN 25130CU (*)	(*) CU 25 130	
FN 25187CU (*)	(*) CU 25 187	
FN 25235CU (*)	(*) CU 25 235	
FN 25280CU (*)	(*) CU 25 280	
FN 35280CU (*)	(*) CU 35 280	
FN 51280CU (*)	(*) CU 51 280	
FN 85250CU (*)	(*) CU 85 250	
FN 85360CU (*)	(*) CU 85 360	

QU - Pre-filter

Walker model	Replaces	Price (£)
FN 10025QU (*)	(*) QU 10 025	
FN 10050QU (*)	(*) QU 10 050	
FN 15060QU (*)	(*) QU 15 060	
FN 15095QU (*)	(*) QU 15 095	
FN 20130QU (*)	(*) QU 20 130	
FN 20187QU (*)	(*) QU 20 187	
FN 25130QU (*)	(*) QU 25 130	
FN 25187QU (*)	(*) QU 25 187	
FN 25235QU (*)	(*) QU 25 235	
FN 25280QU (*)	(*) QU 25 280	
FN 35280QU (*)	(*) QU 35 280	
FN 51280QU (*)	(*) QU 51 280	
FN 85250QU (*)	(*) QU 85 250	
FN 85360QU (*)	(*) QU 85 360	

(*) = Grade:

12 - Efficiency rating 90% at 3 Micron
10 - Efficiency rating 95% at 2 Micron
8 - Efficiency rating 98.5% at 1 Micron
6 - Efficiency rating 99.97% at 0.75 Micron
4 - Efficiency rating 99.995% at 0.6 Micron
2 - Efficiency rating 99.9999+% at 0.4 Micron

CU - Coalescing borosilicate glass microfibre tube and rigid support cylinder. Includes polyurethane moulded end caps.

QU - Wrapped pre-filter with polyurethane moulded end caps.

Models FN 51280 to FN 85360 include an additional outer pleated pre-filter.

3PU - Pleated pre-filter with polyurethane moulded end caps.

AU - Activated Carbon odour removal filter element with moulded polyurethane end caps.

3PU - Pleated Pre-filter

Walker model	Replaces	Price (£)
FN 10025PU	3 PU 10 025	
FN 10050PU	3 PU 10 050	
FN 15060PU	3 PU 15 060	
FN 15095PU	3 PU 15 095	
FN 20130PU	3 PU 20 130	
FN 20187PU	3 PU 20 187	
FN 25130PU	3 PU 25 130	
FN 25187PU	3 PU 25 187	
FN 25235PU	3 PU 25 235	
FN 25280PU	3 PU 25 280	
FN 35280PU	3 PU 35 280	
FN 51280PU	3 PU 51 280	
FN 85250PU	3 PU 85 250	
FN 85360PU	3 PU 85 360	

Grade AU - Efficiency Rating 0.003 ppm Oil Vapour Removal

Walker model	Replaces	Price (£)
FN 10025AU	AU 10 025	
FN 10050AU	AU 10 050	
FN 15060AU	AU 15 060	
FN 15095AU	AU 15 095	
FN 20130AU	AU 20 130	
FN 20187AU	AU 20 187	
FN 25130AU	AU 25 130	
FN 25187AU	AU 25 187	
FN 25235AU	AU 25 235	
FN 25280AU	AU 25 280	
FN 35280AU	AU 35 280	
FN 51280AU	AU 51 280	
FN 85250AU	AU 85 250	
FN 85360AU	AU 85 360	

Grade AU - Efficiency Rating 0.003 ppm Oil Vapour Removal

Walker model	Replaces	Price (£)
FN 11035 (*)	(*) CWC 11-035	
FN 11072 (*)	(*) CWC 11-072	
FN 15070 (*)	(*) CWC 15-070	
FN 23130 (*)	(*) CWC 23-130	

Gemoc

Replacement filter elements manufactured by Walker Filtration Ltd to fit GEMOC filter housings.

Grade AC - Activated Carbon

Walker model	Replaces	Price (£)
GF0501 AC	501	
GF0701 AC	701	
GF1401 AC	1401	
GF1151 AC	1151	
GF1501 AC	1501	
GF3001 AC	3001	
GF4101 AC	4101	
GF6001 AC	6001	
GF6101 AC	6101	

Walker model	Replaces	Price (£)
GF0501 (grade)	501	
GF0701 (grade)	701	
GF1401 (grade)	1401	
GF1151 (grade)	1151	
GF1501 (grade)	1501	
GF3001 (grade)	3001	
GF4101 (grade)	4101	
GF6001 (grade)	6001	
GF6101 (grade)	6101	

Grade:
X5 replaces grade V (5 Micron Dust)
XO replaces grade M (0.1 Micron Coalescing)
XA replaces grade S (0.01 Micron Coalescing)
RX5 replaces grade N (3 Micron After Filter)
AC replaces grade A (Activated Carbon)

Hankison (SPX)

Replacement filter elements manufactured by Walker Filtration Ltd to fit HANKISON (SPX) filter housings.

Grade P - 1 Micron

Walker model	Replaces	Price (£)
HK07313P	0731-3	
HK07314P	0731-4	
HK07315P	0731-5	
HK07316P	0731-6	
HK07317P	0731-7	
HK07318P	0731-8	
HK07319P	0731-9	

Grade C - 0.01 Micron Oil Removal

Walker model	Replaces	Price (£)
HK07132C	0713-2	
HK07133C	0713-3	
HK07134C	0713-4	
HK07135C	0713-5	
HK07136C	0713-6	
HK07137C	0713-7	
HK071311C	0713-11	
HK071312C	0713-12	

Grade AC - Activated Carbon

Walker model	Replaces	Price (£)
HK07152AC	0715-2	
HK07153AC	0715-3	
HK07154AC	0715-4	
HK07155AC	0715-5	
HK07156AC	0715-6	
HK07157AC	0715-7	
HK071511AC	0715-11	
HK071312AC	0715-12	

Grade P - 1 Micron

Walker model	Replaces	Price (£)
HK27313P	27313	
HK27314P	27314	
HK27315P	27315	
HK27316P	27316	
HK27317P	27317	
HK27318P	27318	
HK27319P	27319	

Grade C - 0.01 Micron Oil Removal

Walker model	Replaces	Price (£)
HK27132C	27132	
HK27133C	27133	
HK27134C	27134	
HK27135C	27135	
HK27136C	27136	
HK27137C	27137	
HK21311C	21311	

Grade AC - Activated Carbon

Walker model	Replaces	Price (£)
HK27152AC	27152	
HK27153AC	27153	
HK27154AC	27154	
HK27155AC	27155	
HK27156AC	27156	
HK27157AC	27157	
HK21511AC	21511	

Grade P - 1 Micron

Walker model	Replaces	Price (£)
HK (grade) -12	E (grade) - 12	
HK (grade) -16	E (grade) - 16	
HK (grade) -20	E (grade) - 20	
HK (grade) -24	E (grade) - 24	
HK (grade) -28	E (grade) - 28	
HK (grade) -32	E (grade) - 32	
HK (grade) -36	E (grade) - 36	
HK (grade) -40	E (grade) - 40	
HK (grade) -44	E (grade) - 44	
HK (grade) -48	E (grade) - 48	
HK (grade) -54	E (grade) - 54	
HK (grade) -PV	E (grade) - PV	

Grade:
X5 replaces grade 9 (5 Micron)
X1 replaces grade 7 (1 Micron)
XA replaces grade 5 (0.01 Micron)
XAA replaces grade 3 (0.001 Micron)
AC replaces grade 1 (Activated Carbon)

Hi-Line

Replacement filter elements manufactured by Walker Filtration Ltd to fit Hi-Line filter housings.

Grade X5 - 5 Micron

Walker model	Replaces	Price (£)
AE010X5	HE25-2	
AE015X5	HE36-2	
AE020X5	HE50-2	
AE030X5	HE72-2	
AE055X5	HE120-2	
AE095X5	HE210-2	
AE150X5	HE320-2	
AE220X5	HE500-2	
AE290X5	HE630-2	
AE430X5	HE850-2	
AE625X5	HE1400-2	
AE775X5	HE1700-2	

Grade X1 - 1 Micron

Walker model	Replaces	Price (£)
AE010X1	HE25-3	
AE015X1	HE36-3	
AE020X1	HE50-3	
AE030X1	HE72-3	
AE055X1	HE120-3	
AE095X1	HE210-3	
AE150X1	HE320-3	
AE220X1	HE500-3	
AE290X1	HE630-3	
AE430X1	HE850-3	
AE625X1	HE1400-3	
AE775X1	HE1700-3	

Grade XA - 0.01 Micron

Walker model	Replaces	Price (£)
AE010XA	HE25-4	
AE015XA	HE36-4	
AE020XA	HE50-4	
AE030XA	HE72-4	
AE055XA	HE120-4	
AE095XA	HE210-4	
AE150XA	HE320-4	
AE220XA	HE500-4	
AE290XA	HE630-4	
AE430XA	HE850-4	
AE625XA	HE1400-4	
AE775XA	HE1700-4	

Grade AC - Activated Carbon

Walker model	Replaces	Price (£)
AE010AC	HE25-5	
AE015AC	HE36-5	
AE020AC	HE50-5	
AE030AC	HE72-5	
AE055AC	HE120-5	
AE095AC	HE210-5	
AE150AC	HE320-5	
AE220AC	HE500-5	
AE290AC	HE630-5	
AE430AC	HE850-5	
AE625AC	HE1400-5	
AE775AC	HE1700-5	

(Parker) Hiross

Replacement filter elements manufactured by Walker Filtration Ltd to fit (PARKER) HIROSS filter housings.

Walker model	Replaces 1999	Replaces 2000/01	Price (£)
H004 (grade)	4	10	
H006 (grade)	6	10	
H007 (grade)	7	16	
H009 (grade)	9	16	
H015 (grade)	15	22	
H018 (grade)	18	22	
H020 (grade)	20	22	
H024 (grade)	24	30	
H035 (grade)	35	45	
H060 (grade)	60	72	
H062 (grade)	62	72	
H090 (grade)	90	135	
H110 (grade)	110	135	
H120 (grade)	120	205	
H122 (grade)	122	135	
H150 (grade)	150	250	
H151 (grade)	151	205	
H180 (grade)	180	250	
H200 (grade)	200	260	
H240 (grade)	240	280	
H280 (grade)	280	280	
H300 (grade)	300	300	

Grade:
X1 replaces grade P (General Purpose)
XA replaces grade S (Oil Removal)
AC replaces grade C (Activated Carbon)

Grade X5 - 5 Micron

Walker model	Replaces	Replaces 2000/01	Price (£)
H004 X5	004 Q	10	
H006 X5	006 Q	10	
H007 X5	007 Q	16	
H009 X5	009 Q	16	
H015 X5	015 Q	22	
H018 X5	018 Q	22	
H020 X5	020 Q	22	
H024 X5	024 Q	30	
H035 X5	035 Q	45	
H060 X5	060 Q	72	
H062 X5	062 Q	72	
H090 X5	090 Q	135	
H110 X5	110 Q	135	
H120 X5	120 Q	205	
H122 X5	122 Q	135	
H150 X5	150 Q	250	
H151 X5	151 Q	205	
H180 X5	180 Q	250	
H200 X5	200 Q	260	
H240 X5	240 Q	280	
H280 X5	280 Q	280	
H300 X5	300 Q	300	

Exceptional Performance

To ensure the highest possible performance and efficiency, Walker Filtration Alternative Elements are subject to both in-house and independent testing in accordance with industry standards.

HPC

Replacement filter elements manufactured by Walker Filtration Ltd to fit HPC filter housings.

Grade X1 - 1 Micron

Walker model	Replaces	Price (£)
D009 PX1	K009 AO	
D017 PX1	K017 AO	
D030 PX1	K030 AO	
D058 PX1	K058 AO	
D145 PX1	K145 AO	
D220 PX1	K220 AO	
D330 PX1	K330 AO	
D430 PX1	K430 AO	
D620 PX1	K620 AO	

Grade XA - 0.01 Micron Oil Removal

Walker model	Replaces	Price (£)
D009 PXA	K009 AA	
D017 PXA	K017 AA	
D030 PXA	K030 AA	
D058 PXA	K058 AA	
D145 PXA	K145 AA	
D220 PXA	K220 AA	
D330 PXA	K330 AA	
D430 PXA	K430 AA	
D620 PXA	K620 AA	

Grade XA - 0.01 Micron Oil Removal

Walker model	Replaces	Price (£)
D006 XA	K006 AA	
D013 XA	K013 AA	
D025 XA	K025 AA	
D040 XA	K040 AA	
D085 XA	K085 AA	
D195 XA	K195 AA	
D295 XA	K295 AA	
D400 XA	K400 AA	
D500 XA	K500 AA	

Grade X1 - 1 Micron

Walker model	Replaces	Price (£)
D006 X1	K006 AO	
D013 X1	K013 AO	
D025 X1	K025 AO	
D040 X1	K040 AO	
D085 X1	K085 AO	
D195 X1	K195 AO	
D295 X1	K295 AO	
D400 X1	K400 AO	
D500 X1	K500 AO	

Grade AC - Activated Carbon

Walker model	Replaces	Price (£)
D006 AC	K006 AC	
D013 AC	K013 AC	
D025 AC	K025 AC	
D040 AC	K040 AC	
D065 AC	K065 AC	
D085 AC	K085 AC	
D195 AC	K195 AC	
D295 AC	K295 AC	
D400 AC	K400 AC	
D500 AC	K500 AC	

Support

Walker Filtration has one of the most comprehensive technical libraries to support all Alternative Element queries.

Hydrovane

Replacement air / oil separators and filter elements manufactured by Walker Filtration Ltd to fit HYDROVANE filter housings.

Grade X1 - 1 Micron / 1 Micron Dust

Walker model	Replaces	Price (£)
HY 100 X1	GP 100 E	
HY 150 X1	GP 150 E	
HY 200 X1	GP 200 E	
HY 250 X1	GP 250 E	
HY 350 X1	GP 350 E	
HY 450 X1	GP 450 E	
HY 500 X1	GP 500 E	
HY 530 X1	GP 530 E	
HY 600 X1	GP 600 E	

Grade RX1 - 1 Micron / 1 Micron Dust

Walker model	Replaces	Price (£)
HY 100 RX1	DR 100 E	
HY 150 RX1	DR 150 E	
HY 200 RX1	DR 200 E	
HY 250 RX1	DR 250 E	
HY 350 RX1	DR 350 E	
HY 450 RX1	DR 450 E	
HY 500 RX1	DR 500 E	
HY 530 RX1	DR 530 E	
HY 600 RX1	DR 600 E	

Grade XA - 0.01 Micron Oil Removal

Walker model	Replaces	Price (£)
HY 100 XA	HE 100 E	
HY 150 XA	HE 150 E	
HY 200 XA	HE 200 E	
HY 250 XA	HE 250 E	
HY 350 XA	HE 350 E	
HY 450 XA	HE 450 E	
HY 500 XA	HE 500 E	
HY 530 XA	HE 530 E	
HY 600 XA	HE 600 E	

Grade AC - Activated Carbon

Walker model	Replaces	Price (£)
HY 100 AC	OR 100 E	
HY 150 AC	OR 150 E	
HY 200 AC	OR 200 E	
HY 250 AC	OR 250 E	
HY 300 AC	OR 300 E	
HY 350 AC	OR 350 E	
HY 400 AC	OR 450 E	
HY 450 AC	OR 450 E	
HY 500 AC	OR 500 E	
HY 530 AC	OR 530 E	
HY 600 AC	OR 600 E	

Ingersoll Rand

Replacement filter elements manufactured by Walker Filtration Ltd to fit INGERSOLL RAND filter housings.

Grade X1 - 1 Micron Oil Removal

Walker model	Replaces	Price (£)
IRE 5 X1	5 AO	
IRE 10 X1	10 AO	
IRE 18 X1	18 AO	
IRE 36 X1	36 AO	
IRE 48 X1	48 AO	
IRE 119 X1	119 AO	
IRE 198 X1	198 AO	
IRE 239 X1	239 AO	
IRE 372 X1	372 AO	

Grade RX1 - 1 Micron Dust

Walker model	Replaces	Price (£)
IRE 5 RX1	5 AR	
IRE 10 RX1	10 AR	
IRE 18 RX1	18 AR	
IRE 36 RX1	36 AR	
IRE 48 RX1	48 AR	
IRE 119 RX1	119 AR	
IRE 198 RX1	198 AR	
IRE 239 RX1	239 AR	
IRE 372 RX1	372 AR	

Grade XA - 0.01 Micron Oil Removal

Walker model	Replaces	Price (£)
IRE 5 XA	5 AA	
IRE 10 XA	10 AA	
IRE 18 XA	18 AA	
IRE 36 XA	36 AA	
IRE 48 XA	48 AA	
IRE 119 XA	119 AA	
IRE 198 XA	198 AA	
IRE 239 XA	239 AA	
IRE 372 XA	372 AA	

Grade X1 - 1 Micron Oil Removal

Walker model	Replaces	Price (£)
IRE 4 X1	K4 AO	
IRE 8 X1	K8 AO	
IRE 15 X1	K15 AO	
IRE 24 X1	K24 AO	
IRE 50 X1	K50 AO	
IRE 125 X1	K125 AO	
IRE 180 X1	K180 AO	
IRE 240 X1	K240 AO	
IRE 300 X1	K300 AO	

Grade RX1 - 1 Micron Dust

Walker model	Replaces	Price (£)
IRE 4 RX1	K4 AR	
IRE 8 RX1	K8 AR	
IRE 15 RX1	K15 AR	
IRE 24 RX1	K24 AR	
IRE 50 RX1	K50 AR	
IRE 125 RX1	K125 AR	
IRE 180 RX1	K180 AR	
IRE 240 RX1	K240 AR	
IRE 300 RX1	K300 AR	

Grade XA - 0.01 Micron Oil Removal

Walker model	Replaces	Price (£)
IRE 4 XA	K4 AA	
IRE 8 XA	K8 AA	
IRE 15 XA	K15 AA	
IRE 24 XA	K24 AA	
IRE 50 XA	K50 AA	
IRE 125 XA	K125 AA	
IRE 180 XA	K180 AA	
IRE 240 XA	K240 AA	
IRE 300 XA	K300 AA	

Grade AC - Activated Carbon (duplex element)

Walker model	Replaces	Price (£)
IRE 4 AC	K4 AC	
IRE 8 AC	K8 AC	
IRE 15 AC	K15 AC	
IRE 24 AC	K24 AC	
IRE 39 AC	K39 AC	
IRE 50 AC	K50 AC	
IRE 125 AC	K125 AC	
IRE 180 AC	K180 AC	
IRE 240 AC	K240 AC	
IRE 300 AC	K300 AC	

Grade ACS - Activated Carbon (simplex element)

Walker model	Replaces	Price (£)
IRE 5 ACS	5 ACS	
IRE 10 ACS	10 ACS	
IRE 18 ACS	18 ACS	
IRE 36 ACS	36 ACS	
IRE 48 ACS	48 ACS	
IRE 119 ACS	119 ACS	
IRE 198 ACS	198 ACS	
IRE 239 ACS	239 ACS	
IRE 372 ACS	372 ACS	

Kaeser

Replacement filter elements manufactured by Walker Filtration Ltd to fit KAESER filter housings.

Grade X5 - 5 Micron

Walker model	Replaces	Price (£)
KSB 006 X5	E-B-6	
KSB 010 X5	E-B-10	
KSB 018 X5	E-B-18	
KSB 028 X5	E-B-28	
KSB 048 X5	E-B-48	
KSB 071 X5	E-B-71	
KSB 107 X5	E-B-107	
KSB 138 X5	E-B-138	
KSB 177 X5	E-B-177	
KSB 185 X5	E-B-185	
KSB 221 X5	E-B-221	
KSB 283 X5	E-B-283	

Grade X1 - 1 Micron

Walker model	Replaces	Price (£)
KSC 006 X1	E-C-6	
KSC 010 X1	E-C-10	
KSC 018 X1	E-C-18	
KSC 028 X1	E-C-28	
KSC 048 X1	E-C-48	
KSC 071 X1	E-C-71	
KSC 107 X1	E-C-107	
KSC 138 X1	E-C-138	
KSC 177 X1	E-C-177	
KSC 185 X1	E-C-185	
KSC 221 X1	E-C-221	
KSC 283 X1	E-C-283	

Grade XA - 0.01 Micron

Walker model	Replaces	Price (£)
KSE 006 XA	E-E-6	
KSE 010 XA	E-E-10	
KSE 018 XA	E-E-18	
KSE 028 XA	E-E-28	
KSE 048 XA	E-E-48	
KSE 071 XA	E-E-71	
KSE 107 XA	E-E-107	
KSE 138 XA	E-E-138	
KSE 177 XA	E-E-177	
KSE 185 XA	E-E-185	
KSE 221 XA	E-E-221	
KSE 283 XA	E-E-283	

Grade XAA - 0.001 Micron

Walker model	Replaces	Price (£)
KSF 006 XAA	E-F-6	
KSF 010 XAA	E-F-10	
KSF 018 XAA	E-F-18	
KSF 028 XAA	E-F-28	
KSF 048 XAA	E-F-48	
KSF 071 XAA	E-F-71	
KSF 107 XAA	E-F-107	
KSF 138 XAA	E-F-138	
KSF 177 XAA	E-F-177	
KSF 185 XAA	E-F-185	
KSF 221 XAA	E-F-221	
KSF 283 XAA	E-F-283	

Grade RX1 - 1 Micron Dust Filter

Walker model	Replaces	Price (£)
KSD 006 RX1	E-D-6	
KSD 010 RX1	E-D-10	
KSD 018 RX1	E-D-18	
KSD 028 RX1	E-D-28	
KSD 048 RX1	E-D-48	
KSD 071 RX1	E-D-71	
KSD 107 RX1	E-D-107	
KSD 138 RX1	E-D-138	
KSD 177 RX1	E-D-177	
KSD 185 RX1	E-D-185	
KSD 221 RX1	E-D-221	
KSD 283 RX1	E-D-283	

Grade AC - Activated Carbon

Walker model	Replaces	Price (£)
KSG 006 AC	E-G-6	
KSG 010 AC	E-G-10	
KSG 018 AC	E-G-18	
KSG 028 AC	E-G-28	
KSG 048 AC	E-G-48	
KSG 071 AC	E-G-71	
KSG 107 AC	E-G-107	
KSG 138 AC	E-G-138	
KSG 177 AC	E-G-177	
KSG 185 AC	E-G-185	
KSG 221 AC	E-G-221	
KSG 283 AC	E-G-283	

Mikropor

Replacement filter elements manufactured by Walker Filtration Ltd to fit MIKROPOR filter housings.

Grade X3 - 3 Micron

Walker model	Replaces	Price (£)
MPR48X3	M48P	
MPR50X3	M50P	
MPR100X3	M100P	
MPR150X3	M150P	
MPR200X3	M200P	
MPR250X3	M250P	
MPR300X3	M300P	
MPR500X3	M500P	
MPR600X3	M600P	
MPR851X3	M851P	
MPR1210X3	M1210P	
MPR1510X3	M1510P	
MPR1810X3	M1810P	
MPR2210X3	M2210P	

Grade X1 - 1 Micron

Walker model	Replaces	Price (£)
MPR48X1	M48X	
MPR50X1	M50X	
MPR100X1	M100X	
MPR150X1	M150X	
MPR200X1	M200X	
MPR250X1	M250X	
MPR300X1	M300X	
MPR500X1	M500X	
MPR600X1	M600X	
MPR851X1	M851X	
MPR1210X1	M1210X	
MPR1510X1	M1510X	
MPR1810X1	M1810X	
MPR2210X1	M2210X	

Grade XA - 0.01 Micron

Walker model	Replaces	Price (£)
MPR48XA	M48Y	
MPR50XA	M50Y	
MPR100XA	M100Y	
MPR150XA	M150Y	
MPR200XA	M200Y	
MPR250XA	M250Y	
MPR300XA	M300Y	
MPR500XA	M500Y	
MPR600XA	M600Y	
MPR851XA	M851Y	
MPR1210XA	M1210Y	
MPR1510XA	M1510Y	
MPR1810XA	M1810Y	
MPR2210XA	M2210Y	

Grade AC - Activated Carbon

Walker model	Replaces	Price (£)
MPR48AC	M48A	
MPR50AC	M50A	
MPR100AC	M100A	
MPR150AC	M150A	
MPR200AC	M200A	
MPR250AC	M250A	
MPR300AC	M300A	
MPR500AC	M500A	
MPR600AC	M600A	
MPR851AC	M8051A	
MPR1210AC	M1210A	
MPR1510AC	M1510A	
MPR1810AC	M1810A	
MPR2210AC	M2210A	

MTA

Replacement filter elements manufactured by Walker Filtration Ltd to fit MTA filter housings.

Grade P - 3 Micron

Walker model	Replaces	Price (£)
MT06050P	06050P	
MT07050P	07050P	
MT12075P	12075P	
MT14050P	14050P	
MT22075P	22075P	
MT32075P	32075P	
MT50075P	50075P	
MT51090P	51090P	
MT75140P	75140P	
MT76090P	76090P	

Grade M - 1 Micron

Walker model	Replaces	Price (£)
MT06050M	06050M	
MT07050M	07050M	
MT12075M	12075M	
MT14050M	14050M	
MT22075M	22075M	
MT32075M	32075M	
MT50075M	50075M	
MT51090M	51090M	
MT75140M	75140M	
MT76090M	76090M	

Grade S - 0.01 Micron

Walker model	Replaces	Price (£)
MT06050S	06050S	
MT07050S	07050S	
MT12075S	12075S	
MT14050S	14050S	
MT22075S	22075S	
MT32075S	32075S	
MT50075S	50075S	
MT51090S	51090S	
MT75140S	75140S	
MT76090S	76090S	

Grade AC - Activated Carbon

Walker model	Replaces	Price (£)
MT06050A	06050A	
MT07050A	07050A	
MT12075A	12075A	
MT14050A	14050A	
MT22075A	22075A	
MT32075A	32075A	
MT50075A	50075A	
MT51090A	51090A	
MT75140A	75140A	
MT76090A	76090A	

Norgren

Replacement filter elements manufactured by Walker Filtration Ltd to fit NORGREN filter housings.

Grade AC - Activated Carbon

Walker model	Replaces	Price (£)
N66570AC	665-70	
N66571AC	665-71	
N66585AC	665-85	
N66586AC	665-86	
N66594AC	665-94	

Grade XA - 0.01 Micron Oil Removal

Walker model	Replaces	Price (£)
N66572XA	665-72	
N66573XA	665-73	
N66574XA	665-74	
N66579XA	665-79	
N66580XA	665-80	
N66581XA	665-81	
N66587XA	665-87	
N66588XA	665-88	
N66591XA	665-91	
N66592XA	665-92	
N535005XA	5350-05	
N535006XA	5350-06	
N535098XA	5350-98	
N535099XA	5350-99	
N535105XA	5351-05	
N535106XA	5351-06	
N535198XA	5351-98	
N535199XA	5351-99	

Note: Filter element models N66591XA and N66592XA do not include sintered bronze pre filter.

Omega

Replacement filter elements manufactured by Walker Filtration Ltd to fit OMEGA.

Grade X3 - 3 Micron

Walker model	Replaces	Price (£)
OE06050X3	06050P	
OE07050X3	07050P	
OE14050X3	14050P	
OE12075X3	12075P	
OE22075X3	22075P	
OE32075X3	32075P	
OE50075X3	50075P	
OE51090X3	51090P	
OE76090X3	76090P	
OE51140X3	51140P	
OE75140X3	75140P	

Grade X1 - 1 Micron

Walker model	Replaces	Price (£)
OE06050X1	06050R	
OE07050X1	07050R	
OE14050X1	14050R	
OE12075X1	12075R	
OE22075X1	22075R	
OE32075X1	32075R	
OE50075X1	50075R	
OE51090X1	51090R	
OE76090X1	76090R	
OE51140X1	51140P	
OE75140X1	75140R	

Grade X0 - 0.1 Micron

Walker model	Replaces	Price (£)
OE06050X0	06050M	
OE07050X0	07050M	
OE14050X0	14050M	
OE12075X0	12075M	
OE22075X0	22075M	
OE32075X0	32075M	
OE50075X0	50075M	
OE51090X0	51090M	
OE76090X0	76090M	
OE51140X0	51140M	
OE75140X0	75140M	

Grade XA - 0.01 Micron

Walker model	Replaces	Price (£)
OE06050XA	06050S	
OE07050XA	07050S	
OE14050XA	14050S	
OE12075XA	12075S	
OE22075XA	22075S	
OE32075XA	32075S	
OE50075XA	50075S	
OE51090XA	51090S	
OE76090XA	76090S	
OE51140XA	51140S	
OE75140XA	75140S	

Grade AC - Activated Carbon

Walker model	Replaces	Price (£)
OE06050AC	06050A	
OE07050AC	07050A	
OE14050AC	14050A	
OE12075AC	12075A	
OE22075AC	22075A	
OE32075AC	32075A	
OE50075AC	50075A	
OE51090AC	51090A	
OE76090AC	76090A	
OE51140AC	51140A	
OE75140AC	75140A	

Pneumatic Products (SPX)

Replacement filter elements manufactured by Walker Filtration Ltd to fit PNEUMATIC PRODUCTS (SPX).

Walker model	Replaces	Price (£)
P1A02SX	PPFK1A02SU	
P1A03SX	PPFK1A03SU	
P1A03EX	PPFK1A03AF	
P1A05SX	PPFK1A05SU	
P1A05EX	PPFK1A05AF	
P2A05SU	PPFK2A05SU	
P2A07SX	PPFK2A07SU	
P2A10SX	PPFK2A10SU	
P2A10EX	PPFK2A10AF	
P3A11SX	PPFK3A11SU	
P3A13SX	PPFK3A13SU	
P3A13EX	PPFK3A13AF	
P1201SX	POS 1201 SU	
P1201EX	PCS 1201 AF	
P1001AC	MCS 1001 CE	

Grade:
SU 0.6 Micron Absolute Super Ultipor (Coalescing Filter)
HT 0.9 Micron Absolute High Temperature (230°C) following heat reactivated dryer
AF 0.9 Micron Absolute After Filter
CE 0.9 Micron Absolute Carbon Epocel

Sullair

Replacement filter elements manufactured by Walker Filtration Ltd to fit SULLAIR housings.

Grade X1 - 1 Micron

Walker model	Replaces	Price (£)
SU250024423X1	250024-423	
SU250024424X1	250024-424	
SU250024425X1	250024-425	
SU250024426X1	250024-426	
SU250024427X1	250024-427	
SU250024428X1	250024-428	
SU250024429X1	250024-429	
SU250030644X1	250030-644	
SU250024430X1	250024-430	

Grade X1 - 0.01 Micron

Walker model	Replaces	Price (£)
SU02250153288X1	02250153-288	
SU02250153289X1	02250153-289	
SU02250153290X1	02250153-290	
SU02250153291X1	02250153-291	
SU02250153292X1	02250153-292	
SU02250153293X1	02250153-293	
SU02250153294X1	02250153-294	
SU02250153295X1	02250153-295	
SU02250153296X1	02250153-296	
SU02250153297X1	02250153-297	
SU02250153298X1	02250153-298	

Grade RX1 - 1 Micron Dust

Walker model	Replaces	Price (£)
SU02250153321RX1	02250153-321	
SU02250153322RX1	02250153-322	
SU02250153323RX1	02250153-323	
SU02250153324RX1	02250153-324	
SU02250153325RX1	02250153-325	
SU02250153326RX1	02250153-326	
SU02250153327RX1	02250153-327	
SU02250153328RX1	02250153-328	
SU02250153329RX1	02250153-329	
SU02250153330RX1	02250153-330	
SU02250153331RX1	02250153-331	

Grade XA - 0.01 Micron

Walker model	Replaces	Price (£)
SU250024431XA	250024-431	
SU250024432XA	250024-432	
SU250024433XA	250024-433	
SU250024434XA	250024-434	
SU250024435XA	250024-435	
SU250024436XA	250024-436	
SU250024437XA	250024-437	
SU250030655XA	250030-655	
SU250024438XA	250024-438	

Grade XA - 0.01 Micron / 0.01mg/m³ Oil Removal

Walker model	Replaces	Price (£)
SU02250153299XA	02250153-299	
SU02250153300XA	02250153-300	
SU02250153301XA	02250153-301	
SU02250153302XA	02250153-302	
SU02250153303XA	02250153-303	
SU02250153304XA	02250153-304	
SU02250153305XA	02250153-305	
SU02250153306XA	02250153-306	
SU02250153307XA	02250153-307	
SU02250153308XA	02250153-308	
SU02250153309XA	02250153-309	

Grade RXA - 0.01 Micron Dust

Walker model	Replaces	Price (£)
SU02250153332RXA	02250153-332	
SU02250153333RXA	02250153-333	
SU02250153334RXA	02250153-334	
SU02250153335RXA	02250153-335	
SU02250153336RXA	02250153-336	
SU02250153337RXA	02250153-337	
SU02250153339RXA	02250153-338	
SU02250153340RXA	02250153-339	
SU02250153341RXA	02250153-340	
SU02250153342RXA	02250153-341	
SU02250153343RXA	02250153-342	

Grade ACS - Activated Carbon (simplex element)

Walker model	Replaces	Price (£)
SU02250153310ACS	02250153-310	
SU02250153311ACS	02250153-311	
SU02250153312ACS	02250153-312	
SU02250153313ACS	02250153-313	
SU02250153314ACS	02250153-314	
SU02250153315ACS	02250153-315	
SU02250153316ACS	02250153-316	
SU02250153317ACS	02250153-317	
SU02250153318ACS	02250153-318	
SU02250153319ACS	02250153-319	
SU02250153320ACS	02250153-320	

Grade AC - Activated Carbon (duplex element)

Walker model	Replaces	Price (£)
SU250024439AC	250024-439	
SU250024440AC	250024-440	
SU250030646AC	250030-646	
SU250024441AC	250024-441	

Grade ACS - Activated Carbon (simplex element)

Walker model	Replaces	Price (£)
SU250024443ACS	250024-443	
SU250024444ACS	250024-444	
SU250024445ACS	250024-445	
SU250024446ACS	250024-446	
SU250024447ACS	250024-447	

Trocair

Replacement filter elements manufactured by Walker Filtration Ltd to fit TROCAIR housings.

Walker model	Replaces	Price (£)
T1270 (grade)	1270	
T1570 (grade)	1570	
T3070 (grade)	3070	
T6070 (grade)	6070	

Grade AC - Activated Carbon

Walker model	Replaces	Price (£)
T1270 AC	1270	
T1570 AC	1570	
T3070 AC	3070	
T6070 AC	6070	

Grade:
X5 replaces grade V (5 Micron)
X0 replaces grade M (0.1 Micron)
XA replaces grade S (0.01 Micron)
RX5 replaces grade N (5 Micron Dust)

Note: Please contact Walker Filtration Sales Department before ordering from this range.

(Parker) Zander

Replacement filter elements manufactured by Walker Filtration Ltd to fit (PARKER) ZANDER filter housings.

Grade ZV - 5 Micron Pre Filter

Walker model	Replaces	Price (£)
ZV103	1030V	
ZV105	1050V	
ZV107	1070V	
ZV114	1140V	
ZV201	2010V	
ZV202	2020V	
ZV203	2030V	
ZV205	2050V	
ZV305	3050V	
ZV307	3075V	
ZV506	5060V	
ZV507	5075V	

Grade ZZ - 1 Micron General Purpose Filter

Walker model	Replaces	Price (£)
ZZ103	1030Z	
ZZ105	1050Z	
ZZ107	1070Z	
ZZ114	1140Z	
ZZ201	2010Z	
ZZ202	2020Z	
ZZ203	2030Z	
ZZ205	2050Z	
ZZ305	3050Z	
ZZ307	3075Z	
ZZ506	5060Z	
ZZ507	5075Z	

Grade ZY - 0.1 Micron Oil Filter

Walker model	Replaces	Price (£)
ZY103	1030Y	
ZY105	1050Y	
ZY107	1070Y	
ZY114	1140Y	
ZY201	2010Y	
ZY202	2020Y	
ZY203	2030Y	
ZY205	2050Y	
ZY305	3050Y	
ZY307	3075Y	
ZY506	5060Y	
ZY507	5075Y	

Grade ZX - 0.01 Micron Dust Filter

Walker model	Replaces	Price (£)
ZX103	1030X	
ZX105	1050X	
ZX107	1070X	
ZX114	1140X	
ZX201	2010X	
ZX202	2020X	
ZX203	2030X	
ZX205	2050X	
ZX305	3050X	
ZX307	3075X	
ZX506	5060X	
ZX507	5075X	

Grade ZA - Activated Carbon

Walker model	Replaces	Price (£)
ZA103	1030A	
ZA105	1050A	
ZA107	1070	
ZA114	1140A	
ZA201	2010A	
ZA202	2020A	
ZA203	2030A	
ZA205	2050A	
ZA305	3050A	
ZA307	3075A	
ZA506	5060A	
ZA507	5075A	

(Parker) Zander GL

Replacement filter elements manufactured by Walker Filtration Ltd to fit (PARKER) ZANDER filter housings.

Grade ZV - 5 Micron Pre Filter

Walker model	Replaces	Price (£)
ZV1008	CP1008VL	
ZV2010	CP2010VL	
ZV2020	CP2020VL	
ZV3025	CP3025VL	
ZV3040	CP3040VL	
ZV4040	CP4040VL	
ZV4050	CP4050VL	
ZV4065	CP4065VL	
ZV5065	CP5065VL	
ZV5080	CP5080VL	

Grade ZZ - 1 Micron General Purpose Filter

Walker model	Replaces	Price (£)
ZZ1008	CP1008ZL	
ZZ2010	CP2010ZL	
ZZ2020	CP2020ZL	
ZZ3025	CP3025ZL	
ZZ3040	CP3040ZL	
ZZ4040	CP4040ZL	
ZZ4050	CP4050ZL	
ZZ4065	CP4065ZL	
ZZ5065	CP5065ZL	
ZZ5080	CP5080ZL	

Grade ZX - 0.01 Micron Dust Filter

Walker model	Replaces	Price (£)
ZX1008	CP1008XL	
ZX2010	CP2010XL	
ZX2020	CP2020XL	
ZX3025	CP3025XL	
ZX3040	CP3040XL	
ZX4040	CP4040XL	
ZX4050	CP4050XL	
ZX4065	CP4065XL	
ZX5065	CP5065XL	
ZX5080	CP5080XL	

Grade ZA - Activated Carbon

Walker model	Replaces	Price (£)
ZA1008	CP1008A	
ZA2010	CP2010A	
ZA2020	CP2020A	
ZA3025	CP3025A	
ZA3040	CP3040A	
ZA4040	CP4040A	
ZA4050	CP4050A	
ZA4065	CP4065A	
ZA5065	CP5065A	
ZA5080	CP5080A	

Notes

Conditions of Trade

1. Interpretation

1.1. Definitions. In these Conditions, the following definitions apply:
"Business Day"
a day other than a Saturday, Sunday or public holiday in England when banks in London are open for business;
"Commencement Date"
has the meaning set out in clause 2.2;
"Conditions"
these terms and conditions as amended from time to time in accordance with clause 15.8;
"Contract"
the contract between the Supplier and the Customer for the supply of Goods in accordance with these Conditions;
"Customer"
the person or firm who purchases the Goods from the Supplier;
"Customer Materials"
means all designs, drawings, specifications, samples and all other materials in whatever form provided by the Customer to the Supplier;
"Delivery Location"
has the meaning set out in clause 4.2;
"EXW"
has the meaning ascribed to it in the Incoterms;
"Force Majeure Event"
has the meaning given to it in clause 14.1;
"Good Industry Practice"
means the exercise of that degree of skill, care, prudence, efficiency, foresight and timeliness as would be expected within the industry for the provision and use of the Goods;
"Goods"
the goods (or any part of them) set out in the Order Acknowledgment;
"Goods Specification"
any specification for the Goods, including any relevant plans or drawings, that is agreed in writing by the Customer and the Supplier;
"Incoterms"
means the international rules for the interpretation of trade terms of the International Chamber of Commerce (2010 version);
"Intellectual Property Rights"
patents, rights to inventions, copyright and related rights, trade marks, business names and domain names, rights in get-up, goodwill and the right to sue for passing off, rights in designs, database rights, rights to use, and protect the confidentiality of, confidential information (including know-how), and all other intellectual property rights, in each case whether registered or unregistered and including all applications and rights to apply for and be granted, renewals or extensions of, and rights to claim priority from, such rights and all similar or equivalent rights or forms of protection which subsist or will subsist now or in the future in any part of the world;
"Order"
the Customer's order for the supply of Goods, as set out in the Customer's purchase order form, or the Customer's written acceptance of the Supplier's quotation, or overleaf, as the case may be;
"Order Acknowledgment"
means the Supplier's written acceptance of the Order, but does not include any automatically generated email acknowledgments of an Order;
"Supplier"
Walker Filtration Limited registered in England and Wales with company number 01726079; and
"Supplier's Premises"
means Walker Filtration, Birtley Road, Washington, Tyne & Wear NE38 9DA.

1.2. Construction. In these Conditions, the following rules apply :

1.2.1. a "person" includes a natural person, corporate or unincorporated body (whether or not having separate legal personality);

1.2.2. a reference to a party includes its personal representatives, successors or permitted assigns;

1.2.3. a reference to a statute or statutory provision is a reference to such statute or statutory provision as amended or re-enacted. A reference to a statute or statutory provision includes any subordinate legislation made under that statute or statutory provision, as amended or re-enacted;

1.2.4. any phrase introduced by the terms "including", "include", "in particular" or any similar expression shall be construed as illustrative and shall not limit the sense of the words preceding those terms; and

1.2.5. a reference to "writing" or "written" includes faxes but excludes e-mails.

2. Basis of contract

2.1. The Order constitutes an offer by the Customer to purchase Goods in accordance with these Conditions.

2.2. The Order shall only be deemed to be accepted when the Supplier issues an Order Acknowledgment at which point and on which date the Contract shall come into existence ("Commencement Date").

2.3. The Contract constitutes the entire agreement between the parties. The Customer acknowledges that it has not relied on any statement, promise, representation, assurance or warranty made or given by or on behalf of the Supplier which is not set out in the Contract.

2.4. Any samples, drawings, descriptive matter or advertising issued by the Supplier and any descriptions of the Goods or illustrations or descriptions of the Goods contained in the Supplier's catalogues or brochures are issued or published for the sole purpose of giving an approximate idea of the Goods described in them. They shall not form part of the Contract or have any contractual force.

2.5. These Conditions apply to the Contract to the exclusion of any other terms that the Customer seeks to impose or incorporate, or which are implied by trade, custom, practice or course of dealing.

2.6. Any quotation given by the Supplier shall not constitute an offer, and is only valid for the period set out on the quotation, or if no such period is specified a period of 20 Business Days from its date of issue.

2.7. The Supplier reserves the right to correct any clerical errors made in any quotation, the Specification, the acknowledgement or in any other oral quotations and/or estimates given to the Customer and the Supplier reserves the right to amend the specification of the Goods if required by any applicable statutory or regulatory requirements.

3. Goods

3.1. Subject to any variation in accordance with these Conditions, the Goods are as described in the Goods Specification.

3.2. The Customer shall indemnify the Supplier against all liabilities, costs, expenses, damages and losses (including any direct, indirect or consequential losses, loss of profit, loss of reputation and all interest, penalties and legal and other professional costs and expenses) suffered or incurred by the Supplier in connection with any claim made against the Supplier for actual or alleged infringement of a third party's intellectual property rights arising out of or in connection with:

3.2.1. the Supplier's use of the Customer Materials; and

3.2.2. to the extent that the Goods are to be manufactured in accordance with a Goods Specification provided by the Customer, arising out of or in connection with the Supplier's use of that Goods Specification.

3.3. This clause 3 shall survive termination of the Contract.

3.4. The Supplier reserves the right to amend the Goods Specification if required by any applicable statutory or regulatory requirements.

4. Delivery of Goods

4.1. The Supplier shall ensure that each delivery of the Goods is accompanied by a delivery note which shows the date of the Order, all relevant Customer and Supplier reference numbers, the type and quantity of the Goods (including the code number of the Goods, where applicable), special storage instructions (if any) and, if the Order is being delivered by instalments, the outstanding balance of Goods remaining to be delivered.

4.2. The Supplier shall deliver the Goods EXW to the Supplier's Premises, or such other location as the parties may agree in writing ("Delivery Location").

4.3. Any dates quoted for delivery are approximate only, and the time of delivery is not of the essence.

4.4. If the Supplier fails to deliver the Goods, its liability shall be limited to the costs and expenses incurred by the Customer in obtaining replacement goods of similar description and quality in the cheapest market available, less the price of the Goods. The Supplier shall have no liability for any failure to deliver the Goods to the extent that such failure is caused by a Force Majeure Event or the Customer's failure to provide the Supplier with adequate delivery instructions or any other instructions that are relevant to the supply of the Goods.

4.5. If the Customer fails to take delivery or accept delivery of the Goods within three Business Days of the Supplier notifying the Customer that the Goods are ready for collection, then, except where such failure or delay is caused by a Force Majeure Event or the Supplier's failure to comply with its obligations under the Contract:

4.5.1. delivery of the Goods shall be deemed to have been completed at 9.00 am on the third Business Day after the day on which the Supplier notified the Customer that the Goods were ready; and

4.5.2. the Supplier shall store the Goods until delivery takes place and charge the Customer for all related costs and expenses (including insurance).

4.6. If 10 Business Days after the day on which the Supplier notified the Customer that the Goods were ready for delivery the Customer has not taken or accepted delivery of them, the Supplier may resell or otherwise dispose of part or all of the Goods and, after deducting reasonable storage and selling costs, account to the Customer for any excess over the price of the Goods or charge the Customer for any shortfall below the price of the Goods.

4.7. The Supplier may deliver the Goods by instalments, which shall be invoiced and paid for separately. Each instalment shall constitute a separate Contract. Any delay in delivery or defect in an instalment shall not entitle the Customer to cancel any other instalment.

4.8. The Customer will notify the Supplier in circumstances where the Goods are to be exported outside of the United Kingdom. In the case of an EXW delivery where the ultimate destination is outside of the United Kingdom, the Customer shall, at any time requested by the Supplier, provide the Supplier with such information and evidence as the Supplier considers necessary in its absolute discretion, to establish that the Goods were in fact exported from the United Kingdom, (including but not limited to details of the consignor and all methods of transport, the export destination, the mode of transport, the route of the export movement and evidence of the date of departure from the UK and/or the European Community) and the Customer hereby agrees that it will procure the consent of any and all consignors to allow the provision of such information to the Customer. This clause, 4.8, shall survive termination of the Contract.

4.9. The Customer shall indemnify the Supplier against all liabilities, costs, expenses, damages and losses (including but not limited to any liability for VAT, any direct, indirect or consequential losses, loss of profit, loss of reputation and all interest, penalties and legal costs (calculated on a full indemnity basis) and all other professional costs and expenses) suffered or incurred by the Supplier arising out of or in connection with the Customer's breach or negligent performance or non-performance of clause 4.8 of the Contract. This clause 4.9, shall survive termination of the Contract.

5. Import and Export

5.1. The Customer is responsible for obtaining, at its own cost, such import licences and other consents in relation to the Goods as are required from time to time and, if required by the Supplier, the Customer shall make those licences and consents available to the Supplier prior to the relevant shipment.

5.2. Where the Customer purchases Goods for use or onward supply into any territory outside of the UK and EEA, then the Customer shall be solely responsible for ensuring that the Goods Specification meets all legislative and regulatory standards and meets all requirements for Good Industry Practice in relation to the use of those Goods within the particular territory.

6. Quality of Goods

6.1. The Supplier warrants that for a period of 15 months from the date of delivery, or the period of 12 months from the date of installation of the Goods (whichever is the sooner) ("warranty period"), the Goods shall:

6.1.1. conform in all material respects with the Goods Specification; and

6.1.2. be free from material defects in design, material and workmanship.

6.2. Subject to clause 6.3, if:

6.2.1. the Customer gives notice in writing during the warranty period within a reasonable time of discovery that some or all of the Goods do not comply with the warranty set out in clause 6.1;

6.2.2. the Supplier is given a reasonable opportunity of examining such Goods; and

6.2.3. the Customer (if asked to do so by the Supplier) returns such Goods to the Supplier's place of business at the Customer's cost (including any costs incurred for recovery of the Goods from their installation location)
the Supplier shall, at its option, repair or replace the defective Goods, or refund the price of the defective Goods in full.

6.3. The Supplier shall not be liable for the Goods' failure to comply with the warranty in clause 6.1 if:

6.3.1. the Customer makes any further use of such Goods after giving a notice in accordance with clause 6.2;

6.3.2. the Customer fails to replace, repair or maintain disposable parts within the Goods in accordance with the Supplier's oral or written instructions, or (if there are none) Good Industry Practice;

6.3.3. the Customer, or its employees, agents or contractors fails to install the Goods in accordance with the Supplier's written installation instructions or in accordance with Good Industry Practice;

6.3.4. the defect arises because the Customer failed to follow the Supplier's oral or written instructions as to the storage, installation, commissioning, use, or maintenance of the Goods or (if there are none) Good Industry Practice;

6.3.5. the defect arises as a result of the Supplier following any drawing, design or Goods Specification supplied by the Customer;

6.3.6. the Customer alters or repairs such Goods without the written consent of the Supplier;

6.3.7. the defect arises as a result of fair wear and tear, wilful damage, negligence, or abnormal working conditions;

6.3.8. the Goods differ from the Goods Specification as a result of changes made to ensure they comply with applicable statutory or regulatory standards.

6.4. Except as provided in this clause 6, the Supplier shall have no liability to the Customer in respect of the Goods' failure to comply with the warranty set out in clause 6.1.

6.5. The terms of these Conditions shall apply to any repaired or replacement Goods supplied by the Supplier under clause 6.2.

7. Title and Risk

7.1. Risk in the Goods shall pass to the Customer on completion of delivery.

7.2. Title to the Goods shall not pass to the Customer until the earlier of:

7.2.1. the Supplier receiving payment in full (in cash or cleared funds) for the Goods and any other goods and services that the Supplier has supplied to the Customer in respect of which payment has become due (and whether under this Contract or any other contract between the parties), in which case title to the Goods shall pass at the time of payment of all such sums; and

7.2.2. the Customer resells the Goods, in which case title to the Goods shall pass to the Customer at the time specified in clause 7.4.

7.3. Until title to the Goods has passed to the Customer, the Customer shall:

7.3.1. store the Goods separately from all other goods held by the Customer so that they remain readily identifiable as the Supplier's property;

7.3.2. not remove, deface or obscure any identifying mark or packaging on or relating to the Goods;

7.3.3. maintain the Goods in satisfactory condition and keep them insured against all risks for their full price on the Supplier's behalf from the date of delivery;

7.3.4. notify the Supplier immediately if it becomes subject to any of the events listed in clause 13.1.2 to clause 13.1.13; and

7.3.5. give the Supplier such information relating to the Goods as the Supplier may require from time to time.

7.4. Subject to clause 7.5, the Customer may resell or use the Goods in the ordinary course of its business (but not otherwise) before the Supplier receives payment for the Goods. However, if the Customer resells the Goods before that time:

7.4.1. it does so as principal and not as the Supplier's agent; and

7.4.2. title to the Goods shall pass from the Supplier to the Customer immediately before the time at which resale by the Customer occurs.

7.5. If before title to the Goods passes to the Customer the Customer becomes subject to any of the events listed in clause 13.1.2 to clause 13.1.13, then, without limiting any other right or remedy the Supplier may have:

7.5.1. the Customer's right to resell Goods or use them in the ordinary course of its business ceases immediately; and

7.5.2. the Supplier may at any time:

7.5.2.1. require the Customer to deliver up all Goods in its possession which have not been resold, or irrevocably incorporated into another product; and

7.5.2.2. if the Customer fails to do so promptly, enter any premises of the Customer or of any third party where the Goods are stored in order to recover them.

8. Customer's Obligations

8.1. The Customer shall:

8.1.1. ensure that the terms of the Order and (if submitted by the Customer) the Goods Specification are complete and accurate;

8.1.2. co-operate with the Supplier in all matters relating to the provision of the Goods;

8.1.3. provide the Supplier with such information and materials as the Supplier may reasonably require to supply the Goods, and ensure that such information is accurate in all material respects;

8.2. If the Supplier's performance of any of its obligations in respect of the provision of the Goods is prevented or delayed by any act or omission by the Customer or failure by the Customer to perform any relevant obligation ("Customer Default"):

8.2.1. the Supplier shall without limiting its other rights or remedies have the right to suspend performance of the provision of the Goods until the Customer remedies the Customer Default, and to rely on the Customer Default to relieve it from the performance of any of its obligations to the extent the Customer Default prevents or delays the Supplier's performance of any of its obligations;

8.2.2. the Supplier shall not be liable for any costs or losses sustained or incurred by the Customer arising directly or indirectly from the Supplier's failure or delay to perform any of its obligations as set out in this clause 8.2; and

8.2.3. the Customer shall reimburse the Supplier on written demand for any costs or losses sustained or incurred by the Supplier arising directly or indirectly from the Customer Default.

9. Charges and Payment

9.1. Subject to adjustment in accordance with this clause, the price for Goods shall be the price set out in the Order Acknowledgment or, if no price is quoted, the price set out in the Supplier's published price list as at the date of delivery. The price of the Goods is exclusive of all costs and charges of packaging, insurance, and transport of the Goods, which shall be paid by the Customer when it pays for the Goods.

9.2. The Supplier reserves the right to make a proportionate adjustment to the price for the Goods, such adjustment being a proportionate increase or decrease based on any foreign exchange fluctuation as between GBP and the currency of the Order as between the date of the Order Acknowledgment and the date of delivery.

9.3. The Supplier reserves the right to:

9.3.1. increase the price of the Goods, by giving notice to the Customer at any time before delivery, to reflect any increase in the cost of the Goods to the Supplier that is due to:

9.3.1.1. any factor beyond the control of the Supplier, including the introduction of new tariffs, taxes and duties (whether as a result of Brexit or otherwise), increases in existing taxes, levies and duties, and increases in the cost of labour, materials and other manufacturing costs);

9.3.1.2. any request by the Customer to change the delivery date(s), quantities or types of Goods ordered, or the Goods Specification; or

9.3.1.3. any delay caused by any instructions of the Customer in respect of the Goods or failure of the Customer to give the Supplier adequate or accurate information or instructions in respect of the Goods.

9.4. In respect of Goods, the Supplier shall be entitled to invoice the Customer as set out in the Order Acknowledgment, or if no invoicing terms are set out therein on or at any time after completion of delivery.

9.5. Unless otherwise set out in the Order Acknowledgment, the Customer shall pay each invoice submitted by the Supplier within 30 days of the date of the invoice in full and in cleared funds to a bank account nominated in writing by the Supplier, and time for payment shall be of the essence of the Contract.

9.6. All amounts payable by the Customer under the Contract are exclusive of amounts in respect of value added tax chargeable from time to time (VAT). Where any taxable supply for VAT purposes is made under the Contract by the Supplier to the Customer, the Customer shall, on receipt of a valid VAT invoice from the Supplier, pay to the Supplier such additional amounts in respect of VAT as are chargeable on the supply of the Goods at the same time as payment is due for the supply of Goods.

9.7. If the Customer fails to make any payment due to the Supplier under the Contract by the due date for payment, then the Customer shall pay interest on the overdue amount at the rate of 6% per annum above Barclay's Bank's base rate from time to time. Such interest shall accrue on a daily basis from the due date until actual payment of the overdue amount, whether before or after judgment. The Customer shall pay the interest together with the overdue amount.

9.8. The Customer shall pay all amounts due under the Contract in full without any set-off, counterclaim, deduction or withholding except as required by law. The Supplier may, without limiting its other rights or remedies, set off any amount owing to it by the Customer against any amount payable by the Supplier to the Customer.

9.9. Unless otherwise expressly stated in writing by the Supplier, all prices are payable in pounds sterling. If the Supplier agrees to accept foreign currency, an exchange rate will be set out in the Order Acknowledgment provided that if the same does not specify an exchange rate, then the exchange rate will be that of the Bank of England at the close of business on the day preceding the date of the Order Acknowledgment, and provided that where foreign currency is accepted the price shall be subject to adjustment in accordance with clause 9.2.

10. Intellectual Property Rights

10.1. Subject to clause 10.2, all Intellectual Property Rights in the Goods shall belong to the Supplier.

10.2. Where the Goods provided under the Contract are bespoke Goods, which are manufactured in accordance with a Goods Specification provided by the Customer, the following provisions shall apply:

10.2.1. the Customer shall disclose to the Supplier under a royalty-free licence such of the Customer's Intellectual Property as the Supplier determines is necessary, for the purpose of enabling the Supplier to manufacture the Goods in accordance with the Goods Specification, and to allow the Supplier to manufacture and sell such products on an ongoing basis, provided that such disclosure shall be subject to the provisions of clause 11;

10.2.2. all Intellectual Property Rights in the bespoke Goods created shall vest in the Supplier.

11. Confidentiality

A party (receiving party) shall keep in strict confidence all technical or commercial know-how, specifications, inventions, processes or initiatives which are of a confidential nature and have been disclosed to the receiving party by the other party (disclosing party), its employees, agents or subcontractors, and any other confidential information concerning the disclosing party's business, its products and services which the receiving party may obtain. The receiving party shall only disclose such confidential information to those of its employees, agents and subcontractors who need to know it for the purpose of discharging the receiving party's obligations under the Contract, and shall ensure that such employees, agents and subcontractors comply with the obligations set out in this clause as though they were a party to the Contract. The receiving party may also disclose such of the disclosing party's confidential information as is required to be disclosed by law, any governmental or regulatory authority or by a court of competent jurisdiction. This clause 11 shall survive termination of the Contract.

12. Limitation of liability: THE CUSTOMER'S ATTENTION IS PARTICULARLY DRAWN TO THIS CLAUSE

12.1. Nothing in these Conditions shall limit or exclude the Supplier's liability for:

12.1.1. death or personal injury caused by its negligence, or the negligence of its employees, agents or subcontractors;

12.1.2. fraud or fraudulent misrepresentation;

12.1.3. breach of the terms implied by section 2 of the Supply of Goods and Services Act 1982 (title and quiet possession);

12.1.4. breach of the terms implied by section 12 of the Sale of Goods Act 1979 (title and quiet possession); or

12.1.5. defective products under the Consumer Protection Act 1987.

12.2. Subject to clause 12.1:

12.2.1. the Supplier shall under no circumstances whatever be liable to the Customer, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, for any loss of profit, or any indirect or consequential loss arising under or in connection with the Contract; and

12.2.2. the Supplier's total liability to the Customer in respect of all other losses arising under or in connection with the Contract, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, shall in no circumstances exceed the price paid by the Customer in respect of the Goods to which the claim relates.

12.3. The terms implied by sections 13 to 15 of the Sale of Goods Act 1979 and the terms implied by sections 3 to 5 of the Supply of Goods and Services Act 1982 are, to the fullest extent permitted by law, excluded from the Contract.

12.4. This clause 12 shall survive termination of the Contract.

13. Termination

13.1. Without limiting its other rights or remedies, the Supplier may terminate the Contract with immediate effect by giving written notice to the other party if:

13.1.1. the Customer commits a material breach of its obligations under this Contract and (if such breach is remediable) fails to remedy that breach within 10 days after receipt of notice in writing to do so;

13.1.2. the other party suspends, or threatens to suspend, payment of its debts or is unable to pay its debts as they fall due or admits inability to pay its debts or (being a company or limited liability partnership) is deemed unable to pay its debts within the meaning of section 123 of the Insolvency Act 1986 or (being an individual) is deemed either unable to pay its debts or as having no reasonable prospect of so doing, in either case, within the meaning of section 268 of the Insolvency Act 1986 or (being a partnership) has any partner to whom any of the foregoing apply;

13.1.3. the Customer commences negotiations with all or any class of its creditors with a view to rescheduling any of its debts, or makes a proposal for or enters into any compromise or arrangement with its creditors;

13.1.4. a petition is filed, a notice is given, a resolution is passed, or an order is made, for or in connection with the winding up of the Customer (being a company);

13.1.5. the other party (being an individual) is the subject of a bankruptcy petition or order;

13.1.6. a creditor or encumbrancer of the Customer attaches or takes possession of, or a distress, execution, sequestration or other such process is levied or enforced on or sued against, the whole or any part of its assets and such attachment or process is not discharged within 14 days;

13.1.7. an application is made to court, or an order is made, for the appointment of an administrator or if a notice of intention to appoint an administrator is given or if an administrator is appointed over the Customer (being a company);

13.1.8. the holder of a qualifying charge over the assets of the Customer (being a company) has become entitled to appoint or has appointed an administrative receiver;

13.1.9. a person becomes entitled to appoint a receiver over the assets of the Customer or a receiver is appointed over the assets of the Customer;

13.1.10. any event occurs, or proceeding is taken, with respect to the Customer in any jurisdiction to which it is subject that has an effect equivalent or similar to any of the events mentioned in clause 13.1.2 to clause 13.1.9 (inclusive);

13.1.11. the Customer suspends, threatens to suspend, ceases or threatens to cease to carry on, all or substantially the whole of its business;

13.1.12. the Customer's financial position deteriorates to such an extent that in the Supplier's opinion the Customer's capability to adequately fulfil its obligations under the Contract has been placed in jeopardy; or

13.1.13. the Customer (being an individual) dies or, by reason of illness or incapacity (whether mental or physical), is incapable of managing his own affairs or becomes a patient under any mental health legislation.

13.2. Without limiting its other rights or remedies, the Supplier may terminate the Contract with immediate effect by giving written notice to the Customer if the Customer fails to pay any amount due under this Contract on the due date for payment.

13.3. Without limiting its other rights or remedies, the Supplier may suspend the supply of Services or all further deliveries of Goods under the Contract or any other contract between the Customer and the Supplier if the Customer fails to pay any amount due under this Contract on the due date for payment, the Customer becomes subject to any of the events listed in clause 13.1.2 to clause 13.1.13, or the Supplier reasonably believes that the Customer is about to become subject to any of them.

13.4. On termination of the Contract for any reason:

13.4.1. the Customer shall immediately pay to the Supplier all of the Supplier's outstanding unpaid invoices and interest;

13.4.2. the accrued rights and remedies of the parties as at termination shall not be affected, including the right to claim damages in respect of any breach of the Contract which existed at or before the date of termination or expiry; and

13.4.3. clauses which expressly or by implication have effect after termination shall continue in full force and effect.

14. Force Majeure

14.1. For the purposes of this Contract, Force Majeure Event means an event beyond the reasonable control of the Supplier including but not limited to strikes, lock-outs or other industrial disputes (whether involving the workforce of the Supplier or any other party), failure of a utility service or transport network, act of God, war, riot, civil commotion, malicious damage, compliance with any law or governmental order, rule, regulation or direction, accident, breakdown of plant or machinery, fire, flood, storm or default of suppliers or subcontractors.

14.2. The Supplier shall not be liable to the Customer as a result of any delay or failure to perform its obligations under this Contract as a result of a Force Majeure Event.

14.3. If the Force Majeure Event prevents the Supplier from providing any of the Goods for more than 4 weeks, the Supplier shall, without limiting its other rights or remedies, have the right to terminate this Contract immediately by giving written notice to the Customer.

15. General

15.1. Assignment and Other Dealings.

The Supplier may at any time assign, transfer, mortgage, charge, subcontract or deal in any other manner with all or any of its rights under the Contract and may subcontract or delegate in any manner any or all of its obligations under the Contract to any third party.

The Customer shall not, without the prior written consent of the Supplier, assign, transfer, charge, subcontract, declare a trust over or deal in any other manner with all or any of its rights or obligations under the Contract.

15.2. Notices

Any notice or other communication given to a party under or in connection with this Contract shall be in writing, addressed to that party at its registered office (if it is a company) or its principal place of business (in any other case) or if delivered by fax to such fax number as set out in the Order Acknowledgment, or to such other address as that party may have specified to the other party in writing in accordance with this clause, and shall be delivered personally or sent by prepaid first-class post or other next working day delivery service, or by commercial courier or fax. A notice or other communication shall be deemed to have been received: if delivered personally, when left at the address referred to in this clause 15.3; if sent by pre-paid first class post or other next working day delivery service, at 9.00 am on the second Business Day after posting or if delivered by commercial courier, on the date and at the time that the courier's delivery receipt is signed; and if sent by fax at the time of transmission. The provisions of this clause shall not apply to the service of any proceedings or other documents in any legal action.

15.3. Severance

If any provision or part-provision of the Contract is or becomes invalid, illegal or unenforceable, it shall be deemed modified to the minimum extent necessary to make it valid, legal and enforceable. If such modification is not possible, the relevant provision or part-provision shall be deemed deleted. Any modification to or deletion of a provision or part-provision under this clause shall not affect the validity and enforceability of the rest of the Contract.

15.4. Waiver

A waiver of any right under the Contract or law is only effective if it is in writing and shall not be deemed to be a waiver of any subsequent breach or default. No failure or delay by a party in exercising any right or remedy under the Contract or by law shall constitute a waiver of that or any other right or remedy, nor prevent or restrict its further exercise of that or any other right or remedy. No single or partial exercise of such right or remedy shall prevent or restrict the further exercise of that or any other right or remedy.

15.5. No partnership or agency

Nothing in the Contract is intended to, or shall be deemed to, establish any partnership or joint venture between any of the parties, nor constitute either party the agent of another party for any purpose. Neither party shall have authority to act as agent for, or to bind, the other party in any way.

15.6. Third parties

A person who is not a party to the Contract shall not have any rights to enforce its terms.

15.7. Variation

Except as set out in these Conditions, no variation of the Contract, including the introduction of any additional terms and conditions shall be effective unless it is agreed in writing and signed by the Supplier.

15.8. Governing law and jurisdiction

This agreement and any dispute or claim arising out of or in connection with it or its subject matter or formation (including non-contractual disputes or claims) shall be governed by and construed in accordance with the law of England and Wales.

Each party irrevocably agrees that the courts of England and Wales shall have exclusive jurisdiction to settle any dispute or claim arising out of or in connection with this Contract or its subject matter or formation (including non-contractual disputes or claims).



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