

micfil[®]

INTERNATIONAL

QUALITY PRODUCTS MADE IN GERMANY

SPECIAL OILS & FUEL FILTRATION SYSTEM SOLUTIONS FOR:

- MARITIME
- OFFSHORE
- MINING
- DATA CENTRES
- HYDRAULIC SYSTEMS
- DEFENCE
- TRANSPORT
- INDUSTRY



COLAVATIS

PREFACE

This brochure gives you an overview of the capabilities of Micfil Ultra Fine Filters. We use our filters for fuel, lubrication and hydraulic oil systems. We reduce wear and extend the lifespan of your equipment.

Our multi-stage filtration systems guarantee clean fuel and oil. Together with our modular filter systems, including water separators, we remove particles and other impurities down to 0.5 μ m and bacteria/fungus are eliminated in a single pass. In addition, we remove all moisture from oil and fuel.

In engine oil we prevent the formation of acid, keep the TBN high and thus the oxidation low. Additives are definitely not removed! We achieve the same with hydraulic oil, gear oil, turbine oil, transformer oil, compressor oil and many other types of oil.

The result is that you no longer need to change the oil in your engine, hydraulic or transmission system etc. You can extend the life of the oil indefinitely (proven by regular oil analyses).

Our filter systems improve the lubricating properties of the engine oil many times, even compared to fresh oil. We also achieve significantly more efficient combustion of fuel.

Conclusion - with our filters you can:

- save 80-90% engine oil, hydraulic oil, turbine oil, compressor oil, gear oil, etc.
- save 3-5% diesel.
- eliminate approx. 98% of all bacteria.
- significantly reduce spare parts demands (bearings, bearing shells, etc.).
- save injectors and injector pumps and achieve a much longer service life.
- significantly reduce the downtime of your machinery.
- as a company interested in the environment you can significantly reduce your carbon footprint.

Most engine failures are caused by contaminated oil and diesel.

Please feel free to call or email us for information, or book a consultation

 **COLAVATIS Ltd**
 +44 (0)20 3393 9180
 info@colavatis.com
 www.colavatis.com



CONTENT

FILTER SYSTEMS

AL 50 MINI	4
AL 100 MINI	5

INFO COMPLETE SYSTEMS

AL 150	7
AL 300	8
AL 300 DOUBLE	9
AL 300 TRIPLE	10
AL 300 QUAD	11
INSTALLATION PHOTO	12
INSTALLATION PHOTO	13
AL 600	14
AL 600 DOUBLE	15
AL 600 TRIPLE	16
AL 600 QUAD	17
AL 600 SIXFOLD	18

FILTER INSERTS

MFx 50/100/150/300/600	19
INSTALLATION PHOTO	20
STAINLESS STEEL	21

WATER SEPARATOR

WS 500/800/1000	22
WS 1500/3000/4000	23

BAG FILTERS

BG 400/BG 1000	24
----------------	----

BULK FILTER SYSTEMS

FOTO FB SERIES	25
FB 400/FB 600	26

MOBILE FILTER SYSTEMS

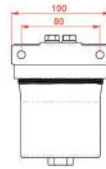
MOBILE FILTER SYSTEMS	27
MS300/MS1200	28
MS2400/MS4800	29
MS7200	30

RENTAL

MOBILE FILTER SYSTEM	31
FILTER HEATING	32
OIL QUALITY SENSOR	33
MEASURING EQUIPMENT	34
HYDROVAC VACUUM	
DEHYDRATION UNIT	35
LEAK PROTECTION	38

FILTER SYSTEM AL50 MINI

FUEL FILTER SYSTEM



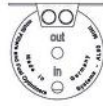
Flowrate diesel	Engine oil Tank capacity	Hydraulic oil Tank capacity	Gearbox oil Tank capacity	Weight filter system
50 ltr/h	10 ltr	30 ltr	10 ltr	757 g

Max Pressure	Temperature range	Water absorbent	Inlet/outlet
10 bar	-20/120 °C	Yes	1/4" id



FILTER SYSTEM AL100 MINI

FUEL FILTER SYSTEM



Flowrate diesel	Engine oil Tank capacity	Hydraulic oil Tank capacity	Gearbox oil Tank capacity	Weight filter system
80 ltr/h	25 ltr	60 ltr	15 ltr	850 g

Max Pressure	Temperature range	Water absorbent	Inlet/outlet
10 bar	-20/120 °C	Yes	1/4" id



MICFIL FILTERS COMPLETE FUEL AND OIL FILTER SYSTEMS

Due to the large variety of flow rates and the high filter performance, Micfil is the perfect solution for sustainable filtering of your oil or fuel.

Bio oils can contain contamination, because it is supplemented with a bio component in the media. This causes cloudy gas oil and gel formation and more water particles. Because most filters are made of paper, these filters become clogged more quickly or block the flow due to the water causing blockages or even complete failure. The solution is Micfil as it removes the water from the bio fuel.

The Micfil fuel filter systems contain a separate water separator that removes any water from the fuel (up to 98%) and the larger particles up to 10 microns. The AL series filters filter the fuel down to 0.5 micron and remove dirt particles and bacteria. Our filters are not made of paper and therefore do not become clogged by water, in addition, the absorption capacity is at least one kilo per filter (AL300)! A crystal clear and pure fuel with perfect combustion is the result. In short, more efficiency and less stress on the machine/engine, fuel systems/ injectors and the environment!

THE ADVANTAGES OF A FUEL FILTER SYSTEM

- We filter dirt particles and bacteria up to 0.5microns
- Our filter elements absorb water and do not degrade with water
- Fine filtration gives you better combustion and therefore less soot
- There is less wear on your fuel pump and injectors/sprayers

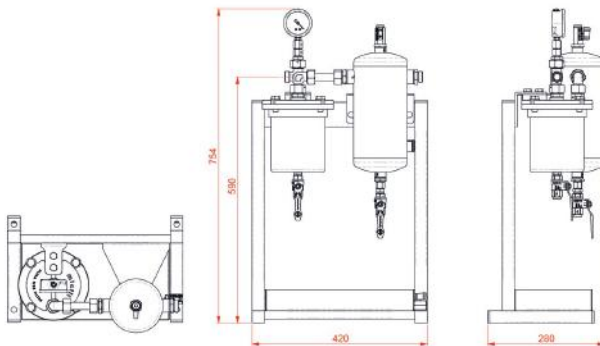
In addition, the Micfil filter system gets the most out of your lubricant and hydraulic oil by permanently cleaning (up to 0.5microns) the oil and absorbing water. The Micfil filter systems are off-line units, which means that the oil is continuously cleaned by means of an installation as a bypass and then the clean oil is returned to the machine in question. In this way, we guarantee clean lubricant and hydraulic oil with our bypass filter system and corrosion and oxidation are a thing of the past. A sustainable solution because you extend the life of the lubricant or hydraulic oil.

THE ADVANTAGES OF A BYPASS OIL FILTER

- No unnecessary oil changes
- Your system filter will continue to work optimally for longer
- You limit the risk of malfunctions and downtime
- You increase the reliability of the (lubricating) oil
- You save on maintenance of your engine
- You increase productivity

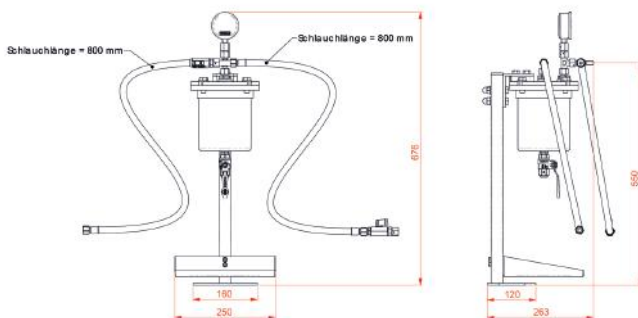
FILTER SYSTEM AL150

FUEL FILTER SYSTEM



Flowrate diesel	Weight filter system	Max Pressure	Temperature range	Water absorbent	Inlet/ outlet
300 ltr/h	12 kg	10 bar	-20/120 °C	Yes	1/2" id

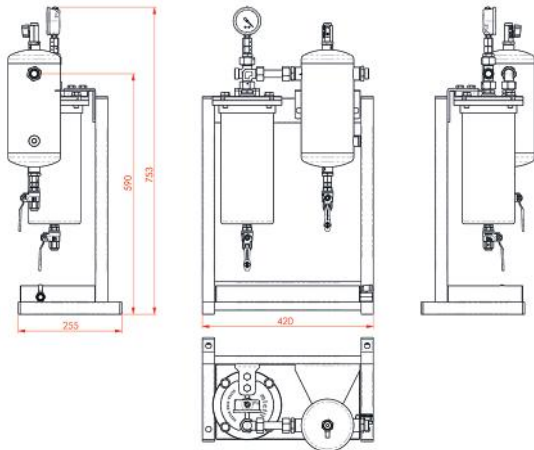
OIL FILTER SYSTEM



Engine oil Tank capacity	Hydraulic oil Tank capacity	Gearbox oil Tank capacity	Weight filter system	Max Pres- sure	Temperature range	Water absorbent	Inlet/ outlet
50 ltr	250 ltr	125 ltr	9 kg	10 bar	-20/120 °C	Yes	1/2" id

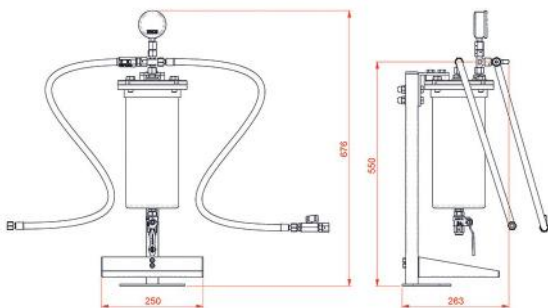
FILTER SYSTEM AL300

FUEL FILTER SYSTEM



Flowrate diesel	Weight filter system	Max Pressure	Temperature range	Water absorbent	Inlet/ outlet
600 ltr/h	14 kg	10 bar	-20/120 °C	Yes	1/2" id

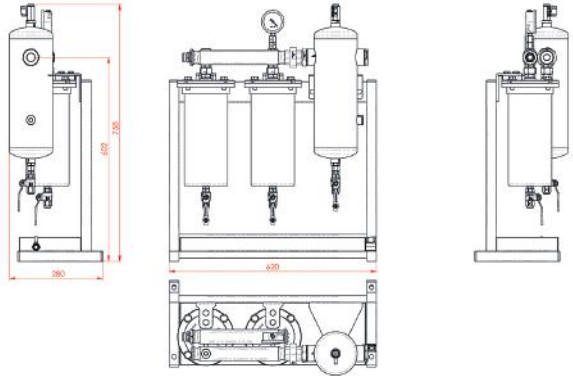
OIL FILTER SYSTEM



Engine oil Tank capacity	Hydraulic oil Tank capacity	Gearbox oil Tank capacity	Weight filter system	Max Pressure	Temperature range	Water absorbent	Inlet/ outlet
100 ltr	500 ltr	250 ltr	12 kg	10 bar	-20/120 °C	Yes	1/2" id

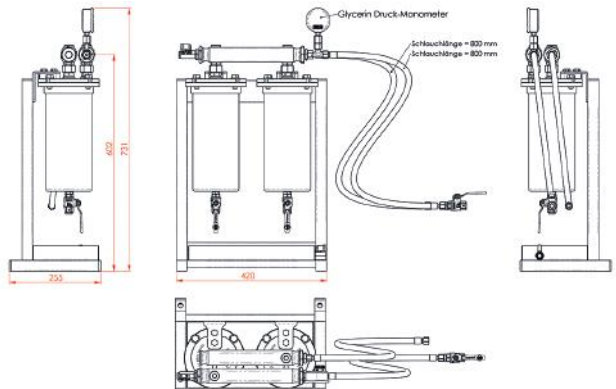
FILTER SYSTEM AL300 DOUBLE

FUEL FILTER SYSTEM



Flowrate diesel	Weight filter system	Max Pressure	Temperature range	Water absorbent	Inlet/ outlet
1200 ltr/h	23 kg	10 bar	-20/120 °C	Yes	1/2" id

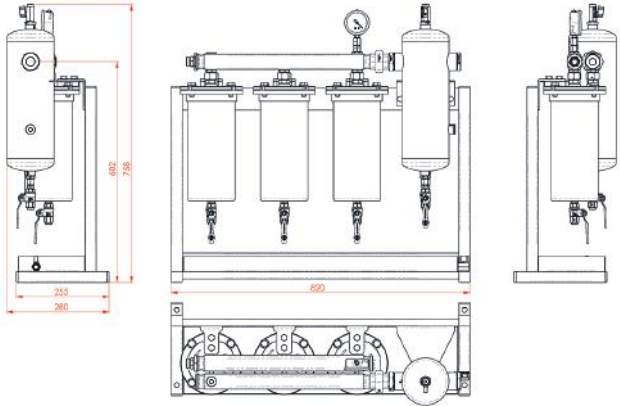
OIL FILTER SYSTEM



Engine oil Tank capacity	Hydraulic oil Tank capacity	Gearbox oil Tank capacity	Weight filter system	Max Pres- sure	Temperature range	Water absorbent	Inlet/ outlet
300 ltr	1000 ltr	500 ltr	13 kg	10 bar	-20/120 °C	Yes	1/2" id

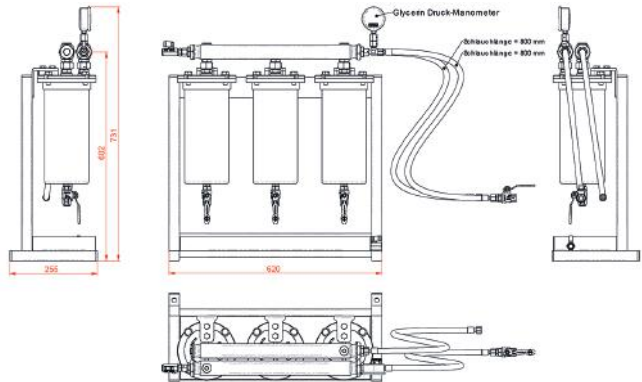
FILTER SYSTEM AL300 TRIPLE

FUEL FILTER SYSTEM



Flowrate diesel	Weight filter system	Max Pressure	Temperature range	Water absorbent	Inlet/ outlet
1800 ltr/h	28 kg	10 bar	-20/120 °C	Yes	1/2" id

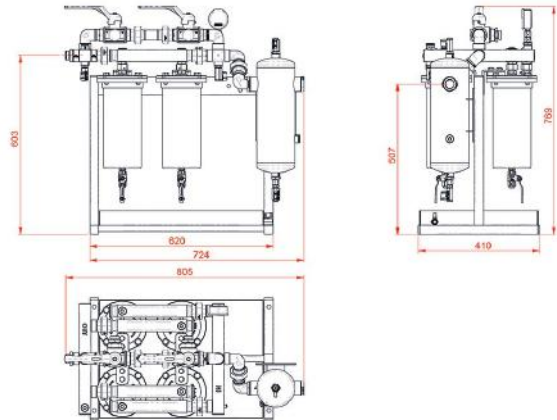
OIL FILTER SYSTEM



Engine oil Tank capacity	Hydraulic oil Tank capacity	Gearbox oil Tank capacity	Weight filter system	Max Pressure	Temperature range	Water absorbent	Inlet/ outlet
600 ltr	1500 ltr	750 ltr	19 kg	10 bar	-20/120 °C	Yes	1/2" id

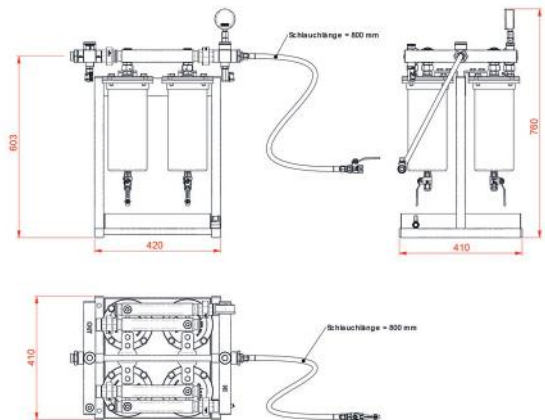
FILTER SYSTEM AL300 QUAD

FUEL FILTER SYSTEM



Flowrate diesel	Weight filter system	Max Pressure	Temperature range	Water absorbent	Inlet/ outlet
2400 ltr/h	24 kg	10 bar	-20/120 °C	Yes	1/2" id

OIL FILTER SYSTEM



Engine oil Tank capacity	Hydraulic oil Tank capacity	Gearbox oil Tank capacity	Weight filter system	Max Pres- sure	Temperature range	Water absorbent	Inlet/ outlet
900 ltr	2000 ltr	900 ltr	19 kg	10 bar	-20/120 °C	Yes	1/2" id

MICFIL FILTERS
AL300 DOUBLE+WS800

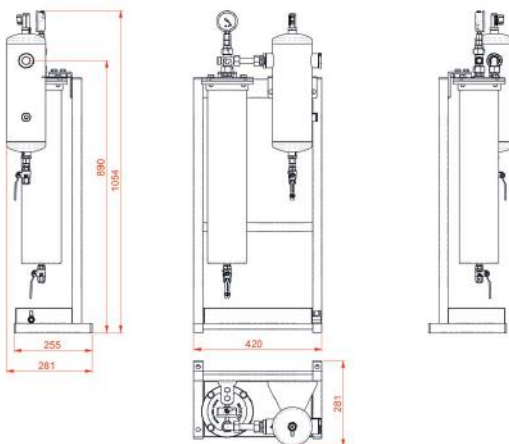


MICFIL FILTERS
AL600 DOUBLE



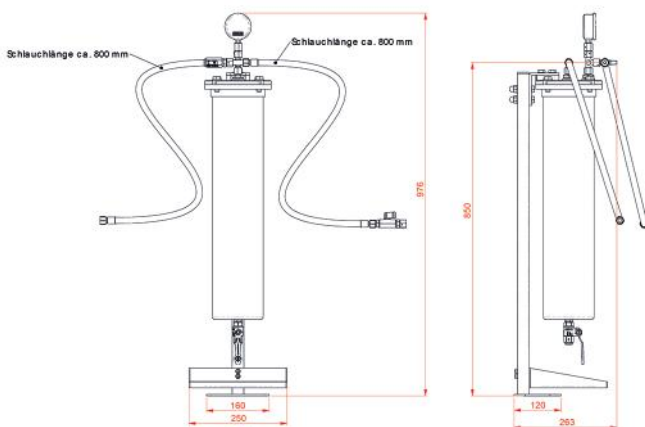
FILTER SYSTEM AL600

FUEL FILTER SYSTEM



Flowrate diesel	Weight filter system	Max Pressure	Temperature range	Water absorbent	Inlet/ outlet
1200 ltr/h	15 kg	10 bar	-20/120 °C	Yes	1/2" of 3/4" id

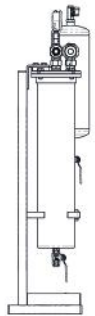
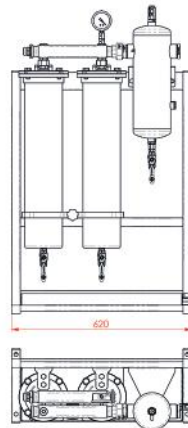
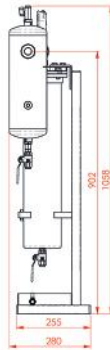
OIL FILTER SYSTEM



Engine oil Tank capacity	Hydraulic oil Tank capacity	Gearbox oil Tank capacity	Weight filter system	Max Pres- sure	Temperature range	Water absorbent	Inlet/ outlet
300 ltr	750 ltr	375 ltr	10 kg	10 bar	-20/120 °C	Yes	1/2" of 3/4" id

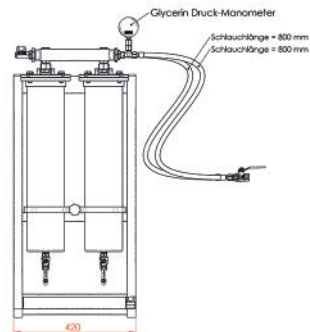
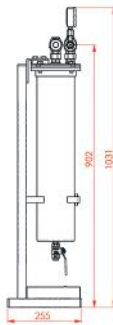
FILTER SYSTEM AL600 DOUBLE

FUEL FILTER SYSTEM



Flowrate diesel	Weight filter system	Max Pressure	Temperature range	Water absorbent	Inlet/outlet
2400 ltr/h	26 kg	10 bar	-20/120 °C	Yes	1/2" of 3/4" id

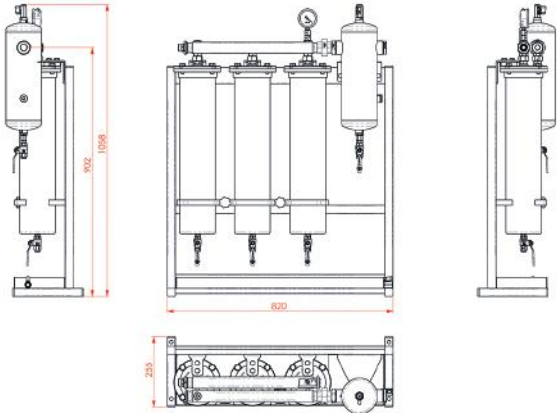
OIL FILTER SYSTEM



Engine oil Tank capacity	Hydraulic oil Tank capacity	Gearbox oil Tank capacity	Weight filter system	Max Pressure	Temperature range	Water absorbent	Inlet/outlet
900 ltr	2000 ltr	900 ltr	19 kg	10 bar	-20/120 °C	Yes	1/2" of 3/4" id

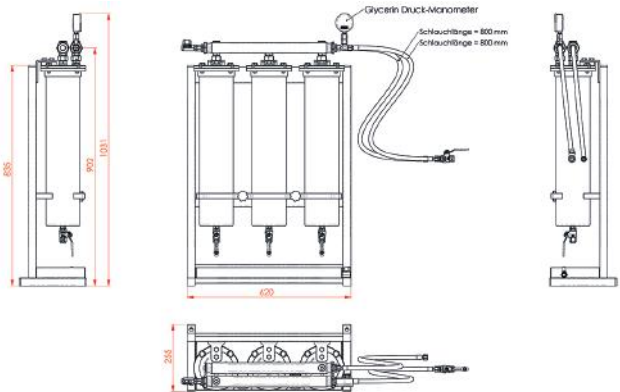
FILTER SYSTEM AL600 TRIPLE

FUEL FILTER SYSTEM



Flowrate diesel	Weight filter system	Max Pressure	Temperature range	Water absorbent	Inlet/outlet
3600 ltr/h	36 kg	10 bar	-20/120 °C	Yes	1/2" of 3/4" id

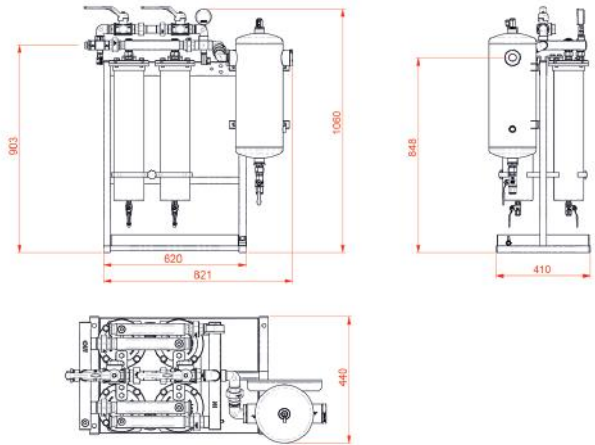
OIL FILTER SYSTEM



Engine oil Tank capacity	Hydraulic oil Tank capacity	Gearbox oil Tank capacity	Weight filter system	Max Pressure	Temperature range	Water absorbent	Inlet/outlet
1200 ltr	3000 ltr	1150 ltr	26 kg	10 bar	-20/120 °C	Yes	1/2" of 3/4" id

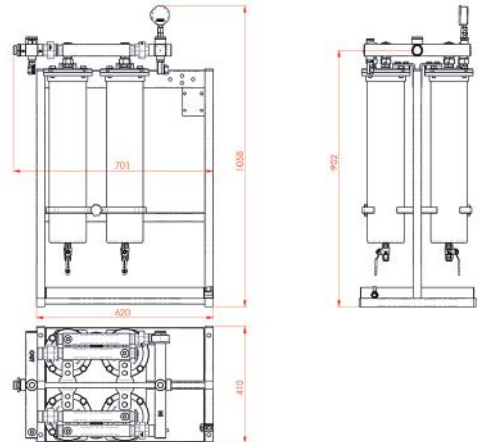
FILTER SYSTEM AL600 QUAD

FUEL FILTER SYSTEM



Flowrate diesel	Weight filter system	Max Pressure	Temperature range	Water absorbent	Inlet/ outlet
4800 ltr/h	49 kg	10 bar	-20/120 °C	Yes	1/2" of 3/4" id

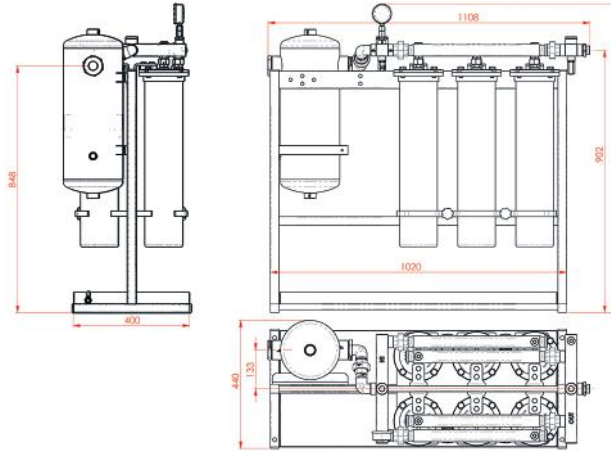
OIL FILTER SYSTEM



Engine oil Tank capacity	Hydraulic oil Tank capacity	Gearbox oil Tank capacity	Weight filter system	Max Pressure	Temperature range	Water absorbent	Inlet/ outlet
1800 ltr	4000 ltr	1500 ltr	39 kg	10 bar	-20/120 °C	Yes	1/2" of 3/4" id

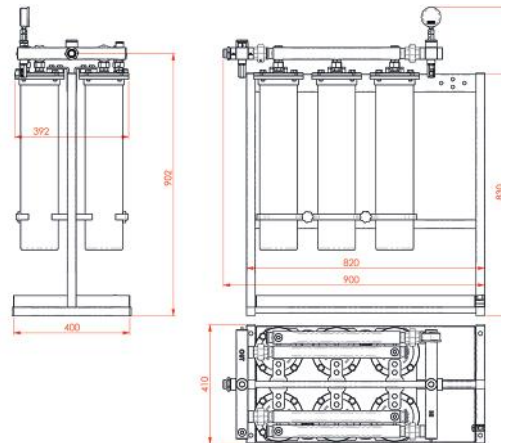
FILTER SYSTEM AL600 SIXFOLD

FUEL FILTER SYSTEM



Flowrate diesel	Weight filter system	Max Pressure	Temperature range	Water absorbent	Inlet/ outlet
7200 ltr/h	59 kg	10 bar	-20/120 °C	Yes	1/2" of 3/4" id

OIL FILTER SYSTEM



Engine oil Tank capacity	Hydraulic oil Tank capacity	Gearbox oil Tank capacity	Weight filter system	Max Pres- sure	Temperature range	Water absorbent	Inlet/ outlet
3000 ltr	6000 ltr	2000 ltr	49 kg	10 bar	-20/120 °C	Yes	1/2" of 3/4" id

FILTER SYSTEM FILTER ELEMENT

OUR FILTER ELEMENTS, THE CORE OF OUR SYSTEMS



AL50 MINI (MFX 50)
filter elements suitable for:

AL 50 MINI



AL100 MINI (MFX 100)
filter elements suitable for:

AL100 MINI



AL150 (MFX 150)
filter elements suitable for:

AL150



AL300 (MFX 300)
filter elements suitable for:

AL300

AL300 DOUBLE

AL300 TRIPLE

AL300 QUAD



AL600 (MFX 600)
filter elements suitable for:

AL600

AL600 DOUBLE

AL600 TRIPLE

AL600 QUAD

AL600 SIXFOLD

INSTALLATION PHOTOS

AL600 (BIO) FUEL & OIL FILTRATION



MICFIL STAINLESS STEEL

OUR FILTER SYSTEMS ARE ALSO AVAILABLE IN STAINLESS STEEL.
CERTIFIED BY BUREAU VERITAS.



**BUREAU
VERITAS**

21

WATER SEPARATOR WS500/WS800/WS1000

WS500



Flowrate ltr./min.	Flowrate ltr./h	Material	Mounting bracket
10 ltr.	600 ltr.	Roestvrijstaal	Wandmontage
Weight	Vent and drain port	Input, output size	
2,35 kg	1/2"	3/4"	

WS800



Flowrate ltr./min.	Flowrate ltr./h	Material	Mounting bracket
57 ltr.	3420 ltr.	Roestvrijstaal	Wandmontage
Weight	Vent and drain port	Input, output size	
4,8 kg	1"	1"	

WS1000



Flowrate ltr./min.	Flowrate ltr./h	Material	Mounting bracket
150 ltr.	9000 ltr.	Roestvrijstaal	Wandmontage
Weight	Vent and drain port	Input, output size	
12 ltr.	1"	2"	

WATER SEPARATOR WS1500/WS3000/WS4000

WS1500



Flowrate ltr./min.	Flowrate ltr./h	Material	Mounting bracket
340 ltr.	20400 ltr.	Roestvrijstaal	Wandmontage
Weight	Vent and drain port	Input, output size	
18 kg	1"	2"	

WS3000



Flowrate ltr./min.	Flowrate ltr./h	Material	Mounting bracket
667 ltr.	40000 ltr.	Roestvrijstaal	Vloer
Weight	Vent and drain port	Input, output size	
75 kg	1" / 1 1/4"	3"	

WS4000



Flowrate ltr./min.	Flowrate ltr./h	Material	Mounting bracket
1466 ltr.	88000 ltr.	Roestvrijstaal	Vloer
Weight	Vent and drain port	Input, output size	
75 ltr.	1" / 1 1/4"	3"	

BAG FILTER BG400/BG1000

BG400



BG1000



Flowrate ltr./min.	Flowrate ltr./h	Material	Available micron value	Max pres- sure
33 ltr.	2000 ltr.	Roestvrijstaal	1, 5, 10, 25, 50, 100 micron	10 bar
Height	Diameter	Weight	Vent and drain port	Input, output size
530 mm.	110 mm.	7 kg.	0,5"	1,5"

Flowrate ltr./min.	Flowrate ltr./h	Material	Available micron value	Max pres- sure
250 ltr.	15000 ltr.	Roestvrijstaal	1, 5, 10, 25, 50, 100 micron	10 bar
Height	Diameter	Weight	Vent and drain port	Input, output size
1150 mm.	230 mm.	25 kg.	0,5"	2"

MICFIL POLYPROPYLENE FILTER BAGS



BULK FILTRATION SYSTEMS



BULK FILTRATION SYSTEMS

FB400/FB600

FB400/900/7 & FB400/1200/7



Specifications

Material	Stainless steel 316
Max pressure	10 bar
In/OUT pressure gauge	IN/OUT directly readable
Flow with engine oil Temp: 90 °C+	FB 400/900/7: max 6000 ltr/h FB 400/1200/7: max 8000 ltr/h
Flow with fuel	FB 400/900/7: max 12600 ltr/h FB 400/1200/7: max 16800 ltr/h
Height / Diameter	FB 400/900/7: 1350 x 505 mm FB 400/1200/7: 1615 x 505 mm
Certification	TUV Germany, Bureau Veritas- op aanvraag
Input, output size	3"

Filter elements

Material	Patented tear-resistant fibre net
Diameter	113 mm
Lenght	FB 400/900/7: 900 mm FB 400/1200/7: 1200 mm
Water absorbent	Yes
Dirt absorption capacity	FB 400/900/7: 2400 grams FB 400/1200/7: 3000 grams
Micron value	0,5 micron

FB600/900/15 & FB600/1200/15



Specifications

Material	Stainless steel 316
Max pressure	10 bar
In/OUT pressure gauge	IN/OUT directly readable
Flow with engine oil Temp: 90 °C+	FB 600/900/15: max 12800 ltr/h FB 600/1200/15: max 17000 ltr/h
Flow with fuel	FB 600/900/15: max 27000 ltr/h FB 600/1200/15: max 36000 ltr/h
Height / Diameter	FB 600/900/15: 1350 x 710 mm FB 600/1200/15: 1615 x 710 mm
Certification	TUV Germany, Bureau Veritas- op aanvraag
Input, output size	3"

Filter elements

Material	Patented tear-resistant fibre net
Diameter	113 mm
Lenght	FB 600/900/15: 900 mm FB 600/1200/15: 1200 mm
Water absorbent	Yes
Dirt absorption capacity	FB 600/900/15: 2400 grams FB 600/1200/15: 3000 grams
Micron value	0,5 micron

MOBILE FILTER SYSTEM

The mobile filter systems are of very high quality and very reliable. They are made to make and keep the fuel or oil up to 98% pure.

Mobile fuel filter systems are available in a range of 100 to 5,000 litres per hour.

Mobile oil filter systems are available in a range of 100 to 2,000 litres per hour, depending on the viscosity.

The mobile fuel filter systems are equipped with a water separator, a pump and possibly also a 'bag filter'. The oil filter systems can be supplied with a 'particle counter' and differential pressure gauge.

Our mobile filter systems are on a trolley, making them easy to move. In other words, an extremely mobile solution for cleaning your tank!

Our mobile filter systems are for sale, rent or lease.



MOBILE FILTER SYSTEM MS300/MS1200

MS300



Flowrate	Engine oil Tank capacity	Hydraulic oil Tank capacity	Gearbox oil Tank capacity	Filter	Waterseparator	Volume	Max Pressure	Temperature range	Water absorbent
300 ltr/h	50 ltr	250 ltr	125 ltr	AL150	No	2 ltr	10 bar	-20/120 °C	Yes

MS1200



Flowrate	Engine oil Tank capacity	Hydraulic oil Tank capacity	Gearbox oil Tank capacity	Filter	Waterseparator	Volume	Max Pressure	Temperature range	Water absorbent
1200 ltr/h	300 ltr	1000 ltr	550 ltr	2xAL300	WS800	2 ltr	10 bar	-20/120 °C	Yes

MOBILE FILTER SYSTEM MS2400/MS4800

MS2400



Flowrate	Engine oil Tank capacity	Hydraulic oil Tank capacity	Gearbox oil Tank capacity	Filter	Waterseparator	Volume	Max Pressure	Temperature range	Water absorbent
2400 ltr/h	900 ltr	2000 ltr	900 ltr	2xAL600	WS800	8 ltr	10 bar	-20/120 °C	Yes

MS4800



Flowrate	Engine oil Tank capacity	Hydraulic oil Tank capacity	Gearbox oil Tank capacity	Filter	Waterseparator	Volume	Max Pressure	Temperature range	Water absorbent
4800 ltr/h	1800 ltr	4000 ltr	1500 ltr	4xAL600	WS1000	8 ltr	10 bar	-20/120 °C	Yes

MOBILE FILTER SYSTEM MS7200

MS7200



Flowrate	Engine oil Tank capacity	Hydraulic oil Tank capacity	Gearbox oil Tank capacity	Filter	Waterseparator	Volume	Max Pressure	Temperature range	Water absorbent
7200 ltr/h	3000 ltr	6000 ltr	2000 ltr	6xAL600	WS1000	8 ltr	10 bar	-20/120 °C	Yes

EASY TO RENT MICFIL MOBILE FILTER SYSTEMS

Delivered on a mobile trolley, these systems are easy to move. In addition, you can expect the same performance from our mobile solutions as from our fixed systems.

Our products are a familiar face in the maritime sector but are increasingly being used for filtering in many other sectors. A Micfil filter system can be used anywhere where oil and/or fuel is used. With filtration results of up to 0.5 microns, we guarantee that your fuel and oil will be made and kept up to 98% pure.

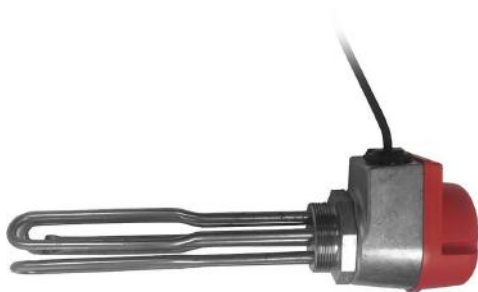
You can rent our mobile systems per day or per week, for as long as you want. This way you avoid a high investment and you can solve acute problems quickly and adequately.



FILTER HEATING

IMMERSION HEATERS

Screw-plug immersion heaters for heating of oil, hydraulic oil and biodiesel. Available in stainless steel or stainless steel with brass plug.



Immersion heaters incorporate tubular elements with flanges, nipples or plugs attached either by welding or soldering. Immersion heaters can be equipped with thermostats, temperature limiters and connection boxes. There are also thermostats and temperature limiters for mounting inside the tubular elements.

Pipe element made of stainless, acid-resistant steel AISI 316L.

Protective tube with internal diameter 10.6 mm for thermostat and/or temperature limiter.

Terminal box of cast aluminum with a cover of polycarbonate, fits our G2" threaded nipple. The box is swiveled so that suitable orientation of cable entry can be obtained. The box is provided with terminal block. Protection class IP 54.



Effect (W)	Voltage (V)	Type	Insertion length (mm)	Material
330-1000	230	OE 31	275	AISI 316L
2000	230/400	OE 33	425	AISI 316L
3000	230/400	OE 34	545	AISI 316L
4500	230/400	OE 36	805	AISI 316L
6000	230/400	OE 39	1075	AISI 316L

OIL QUALITY SENSOR

MICFIL OIL QUALITY SENSORS GO BEYOND STANDARD PROTECTION SYSTEMS



With the help of a mobile measuring unit it is possible to bring the sensor to any desired location. The measuring unit contains everything Noded to check the oil quality of a system and store the results.

Specifications

- Detects when the oil needs to be changed
- Internal processing power offers wide interface option
- Registers the smallest changes in oil quality
- Multiple and independent sensors can be monitored in a central location with a control unit
- With a mobile measuring unit, the oil quality of a system can be checked anytime and anywhere



MEASURING EQUIPMENT

DIFFERENTIAL PRESSURE GAUGE



DIFFERENTIAL PRESSURE GAUGE

During differential pressure measurement, different pressures act on an oil-filled differential pressure measuring cell from two sides. This converts the differential pressure into an electronic signal. Using differential pressure measurement, pressure, level, specific gravity and flow rate of liquids, suspensions, gases and vapours can be measured.

WATER SENSOR



WATER SENSOR

A water sensor can be added to Micfil water separators. The water separator must be flushed when the red indicator light is on. Alternatively, the sensor can emit an acoustic signal. Multiple sensors can be easily and centrally monitored with an optional display.

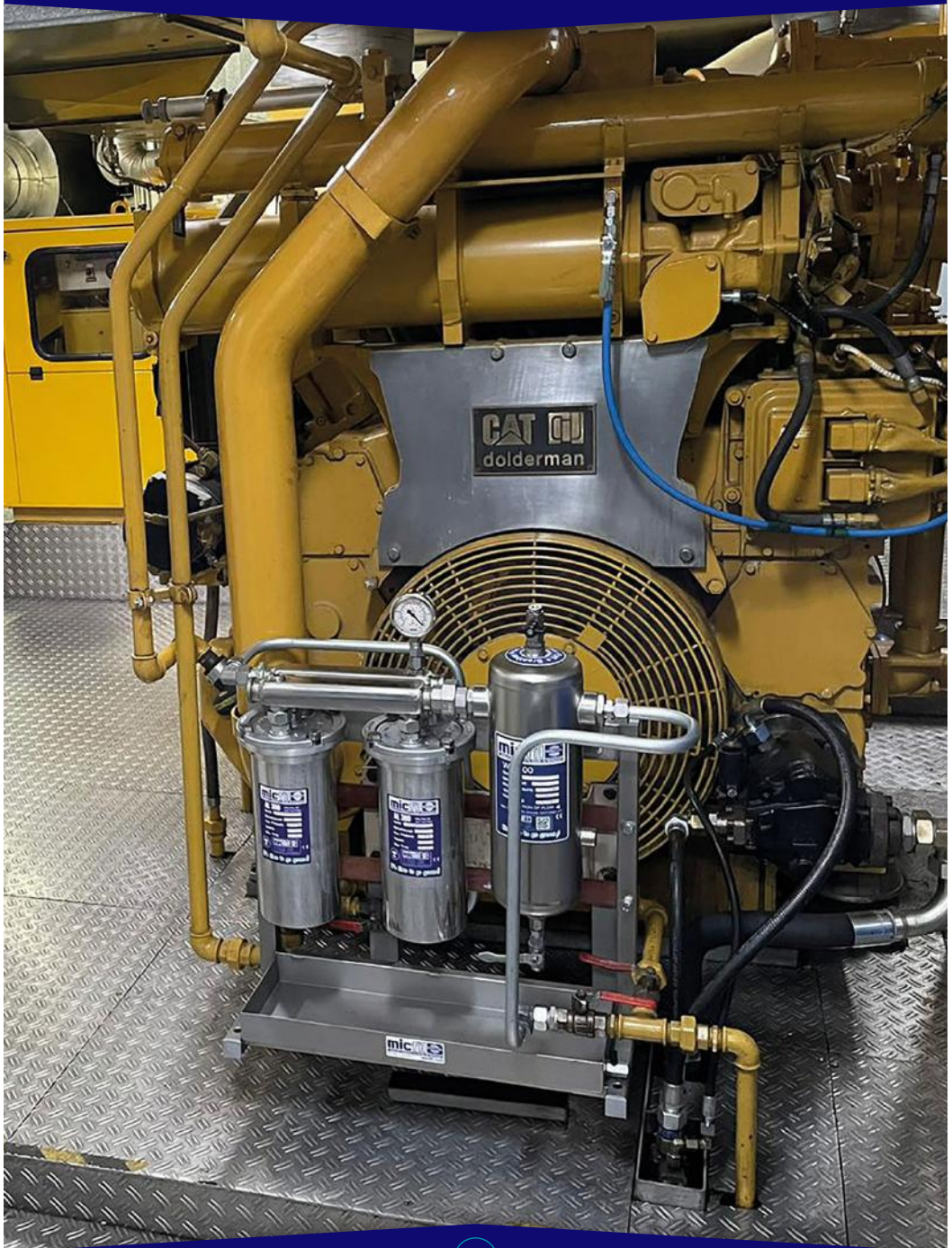
FLOW COUNTER



FLOW COUNTER

Digital flow meter for low-viscosity liquids. Easy to install, equipped with a display that can be set in different positions and is therefore easy to read. The ideal instrument for checking liquid dosing. The sturdy housing and a sealed electronic card make it suitable for use in almost all conditions.

MICFIL FILTERS
AL300 DOUBLE + WS1000



HYDROVAC VACUUM DEHYDRATION UNITS

KEEPING HYDRAULIC SYSTEMS RUNNING

With hydraulic systems, over 80% of unplanned downtime and failures are directly caused by contamination. Loss of production due to unplanned downtime can be costly and time-consuming.

PUREGO



Specifications

Oil viscosity	32 – 68 cST 40°C
Max reservoir size	1-3 m3
Circulation capacity	50-250 ltr/h
Normal pressure	0,9 bar
Heating element	2 kW
Voltage	230V 1-fase
Frequency	50/60 Hz
Weight (dry)	55 kg
Dimensions	600 x 400 x 670 mm
Inlet connection	12 mm buisaansluiting
Outlet connection	12 mm buisaansluiting

PURECLEAN



Specifications

Oil viscosity	10 – 700 cST 40°C
Max reservoir size	15 m3
Circulation capacity	100-600 ltr/h
Normal pressure	0,9 bar
Heating element	6 kW
Voltage	380V 13-fase
Frequency	50/60 Hz
Weight (dry)	115 kg
Dimensions	600 x 400 x 1040 mm
Inlet connection	¾" BSP buisaansluiting
Outlet connection	1" BSP buisaansluiting

HYDROVAC VACUUM DEHYDRATION UNITS

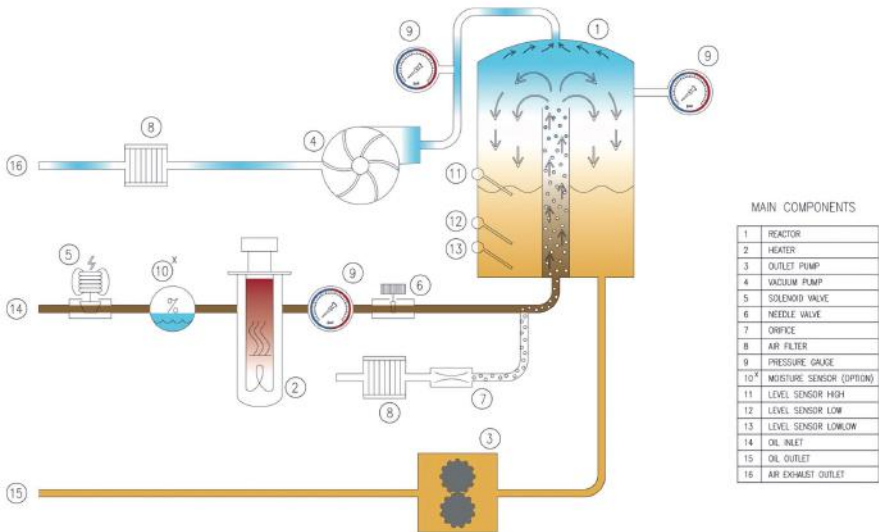
HYDROVAC VACUUM DEHYDRATION UNITS

PREDICTABLE HYDRAULIC FLUID MANAGEMENT PREVENTS UNPLANNED DOWNTIME

Our proven and patented technology removes 100% of free water and entrained gases and over 90% of dissolved water and gases. The Hydrovac vacuum dehydration unit uses two technologies to remove water from the oil: vacuum and air stripping.

By minimizing water and gas contamination, problems in hydraulic systems are reduced or eliminated.

- Fluid oxidation
- Corrosion
- Bacterial growth
- Retention of lubricity
- Cavitation
- Formation of ice crystals if system is below 0°C (32°F)
- Foaming
- Uneven movement of actuator/pistons or other components

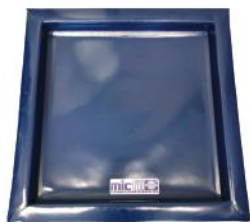


LEAK PROTECTION

A MICFIL LEAK PROTECTION OR DRIP TRAY PREVENTS FUEL, OIL OR OTHER LIQUIDS FROM SPILLING INTO THE ENVIRONMENT OR YOUR WORK AREA

The leak protection is ideal for collecting small quantities of liquid, with a collection capacity of 50 litres per m².

SMALL LEAK PROTECTION

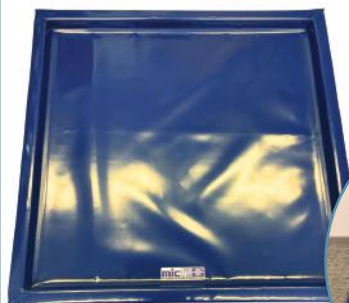


SMALL LEAK PROTECTION

This Micfil leak protection small has dimensions of 54 x 54 x 5 cm. and can collect all kinds of liquids.



BIG LEAK PROTECTION



BIG LEAK PROTECTION

This Micfil leak protection small has dimensions of 104 x 104 x 5 cm. and can collect all kinds of liquids.



CERTIFICATIONS

IMPROVING TECHNOLOGY AND GOING THE WAY BEYOND WHERE POSSIBLE MAKING CLEANER AND/OR GREENER IS OUR PASSION

Micfil Filters is an organisation that focuses on the development and sale of products that make installations for companies more sustainable. In doing so, we are happy to ensure savings on operational costs and the environment!

Micfil Filters is convinced that there are still enough measures that can be taken in and around existing diesel engines to make them more sustainable.

Our business activities include a wide range of solutions in the field of monitoring, filtration, emissions and these solutions are usually implemented in the Marine, Offshore and Industrial markets.

OUR FILTER SYSTEMS MEET THE FOLLOWING CERTIFICATIONS





COLAVATIS

MARINE & INDUSTRIAL FILTRATION



Colavatis Ltd



+44 (0)20 3393 9180



info@colavatis.com



www.colavatis.com