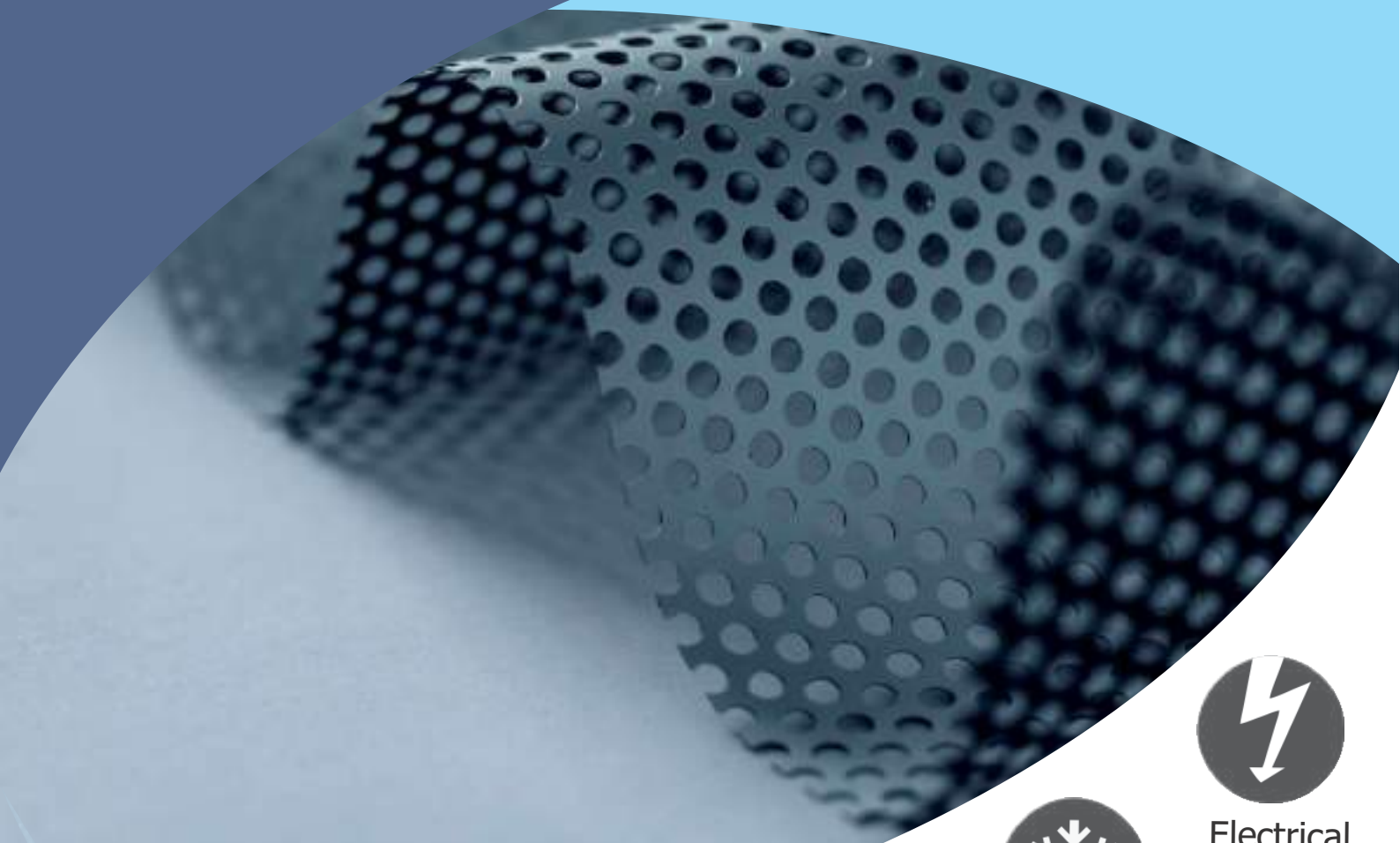
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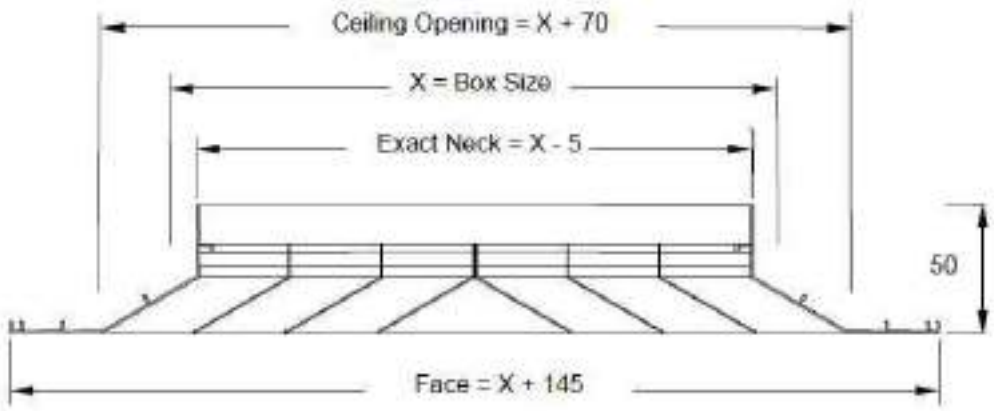
HVAC Products

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CEILING MOUNTED GRILLS

Lay-in Diffusers

PRODUCT INFORMATION			
Type	Lay-in/Flush Face Diffusers	**Varieties**	2
Function	Supply Air	**Colour**	White Powder Coat
Mount	Ceiling or Lay-in Grid	**Material**	Aluminium



Lay-In 4-Way Blow Diffuser				
	**Product Code**	**Face Size Metric**	**Nominal Size Metric**	**Pieces/Carton**
	VFFTBS	395 x 395 Face	250 x 250	8
	VFFTB	595 x 595 Face	450 x 450	10
	*Grilles are aluminium powder coated white as standard			

Reducing Necks for Lay-in Diffusers

Reducing Necks				
	Product Code	Nominal Neck Metric	Spigot Size Imperial	Compatiable Grills
	VFFTBR200	450 x 450	8	VFFTB3W
	VFFTBR250	450 x 450	10	
	VFFTBR300	450 x 450	12	
	VECGFRN595F	550 x 550	10	
	*All Reducing Necks are sprayed black as standard			

Flush Face Diffusers

4-Way Flush Face Diffusers				
	Product Code	Nominal Neck Metric	Nominal Neck Imperial	Pieces/Carton
	VFM466	150 x 150	6 x 6	10
	VFM499	225 x 225	9 x 9	10
	VFM41212	300 x 300	12 x 12	10
	VFM41515	375 x 375	15 x 15	10
	*Grilles are aluminium powder coated white as standard			

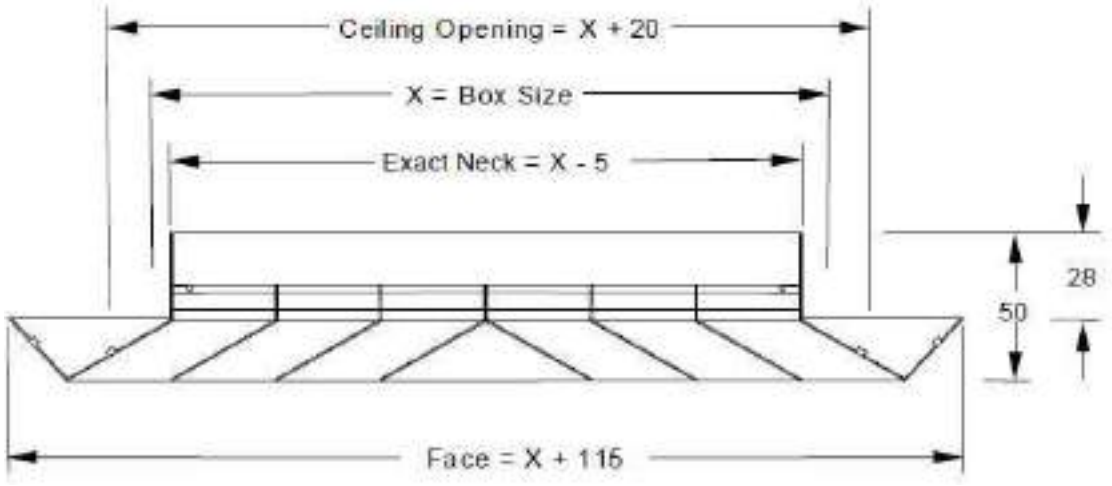
3 Way Flush Face Diffusers				
	Product Code	Nominal Neck Metric	Nominal Neck Imperial	Pieces/Carton
	VFM366	150 x 150	6 x 6	10
	VFM399	225 x 225	9 x 9	10
	VFM31212	300 x 300	12 x 12	10
	VFM31515	375 x 375	15 x 15	10
	*Grilles are aluminium powder coated white as standard			

Flush Mount Neck Adaptor

Flush Mount Neck Adaptor				
	Product Code	Nominal Neck Metric	Spigot Size	Compatiable Grills
	VFMSR998	225 x 225	200	
	VFMSR12128	300 x 300	200	
	VFMSR121210	300 x 300	250	
	VFMSR121212	300 x 300	300	
	VFMSR15158	375 x 375	200	
	VFMSR151510	375 x 375	250	
	VFMSR151512	375 x 375	300	
	*All Reducing Necks are sprayed black as standard			

Bevelled Edge Diffuser

PRODUCT INFORMATION			
Type	Bevelled Edge Diffuser	**Varieties**	8
Function	Supply Air	**Colour**	Powder Coated White
Mount	Ceiling	**Material**	Aluminium



4 Way Bevelled Edge Diffuser				
	**Product Code**	**Nominal Neck Metric**	**Nominal Neck Imperial**	**Pieces/Carton**
	VBF4W66	150 x 150	6 x 6	10
	VBF4W99	225 x 225	9 x 9	10
	VBF4W1212	300 x 300	12 x 12	10
	VBF4W1515	375 X 375	15 x 15	10
	VBF4W1818	450 x 450	18 x 18	10
	VBF4W2121	525 x 525	21 x 21	10
	VBF4W2424	600 x 600	24 x 24	10
	*Grilles are aluminium powder coated white as standard			

4 Way Rectangular Bevelled Edge Diffuser				
	**Product Code**	**Nominal Neck Metric**	**Nominal Neck Imperial**	**Pieces/Carton**
	VBF4W189	450 x 225	18 x 9	10
	*Grilles are aluminium powder coated white as standard			

4 Way Bev Diffuser with Fixing Clip Reducing Neck				
	**Product Code**	**Nominal Neck Metric**	**Spigot Size Metric**	**Pieces/Carton**
	VBF4W998	225 x 225	200	4
	VBF4W12128	300 x 300	200	4
	VBF4W121210	300 x 300	250	4
	VBF4W121212	300 x 300	300	4
	VBF4W151512	375 x 375	300	4
	*Grilles are aluminium p/c white as standard			

3 Way Bevelled Edge Diffuser				
	Product Code	Nominal Neck Metric	Nominal Neck Imperial	Pieces/Carton
	VBF3W66	150 x 150	6 x 6	10
	VBF3W99	225 x 225	9 x 9	10
	VBF3W1212	300 x 300	12 x 12	10
	VBF3W1515	375 x 375	15 x 15	10
	VBF3W1818	450 x 450	18 x 18	8
	*Grilles are aluminium powder coated white as standard			

Bevelled Edge 3 Way Rectangular				
	Product Code	Nominal Neck Metric	Nominal Neck Imperial	Pieces/Carton
	VBF3W156	375 x 150	15 x 6	10
	*Grilles are aluminium powder coated white as standard			

3 Way Bev Diffuser with Fixing Clip Reducing Neck				
	Product Code	Nominal Neck Metric	Spigot Size Imperial	Pieces/Carton
	VBF3W998	225 x 225	200	4
	VBF3W12128	300 x 300	200	4
	VBF3W121210	300 x 300	250	4
	VBF3W151510	375 x 375	250	4
	VBF3W151512	375 x 375	300	4
	*Grilles are aluminium p/c white as standard			

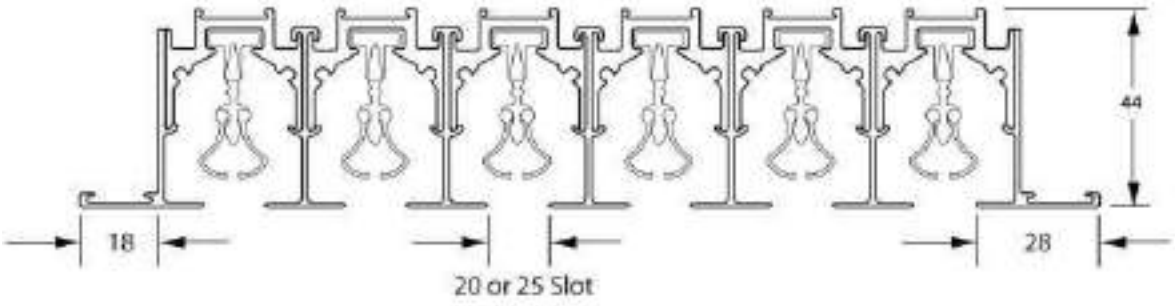
Bevelled Edge 2 Way Opposite				
	Product Code	Nominal Neck Metric	Nominal Neck Imperial	Pieces/Carton
	VBF2W1212	300 x 300	12 x 12	10
	VBF2W1515	375 x 375	15 x 15	10
	*Grilles are aluminium powder coated white as standard			

Bevelled Edge 2 Way Corner				
	Product Code	Nominal Neck Metric	Nominal Neck Imperial	Pieces/Carton
	VBF1W1212	300 x 300	12 x 12	10
	VBF1W1515	375 x 375	15 x 15	10
	*Grilles are aluminium powder coated white as standard			

Reducing Neck with Fixing Clip for Bevelled Edge Diffusers				
	Product Code	Nominal Neck Metric	Nominal Neck Imperial	Spigot Size
	VBFNA12128	300 x 300	12 x 12	200
	VBFNA121210	300 x 300	12 x 12	250
	VBFNA121212	300 x 300	12 x 12	300
	VBFNA15158	375 x 375	15 x 15	200
	VBFNA151510	375 x 375	15 x 15	250
	VBFNA151512	375 x 375	15 x 15	300
	VBFNA151514	375 x 375	15 x 15	350
	VBFNA18188	450 x 450	18 x 18	200
	VBFNA181810	450 x 450	18 x 18	250
	VBFNA181812	450 x 450	18 x 18	300

Removable Core Linear Slot Diffuser

Product Information			
Type	Linear Slot Diffuser	Varieties	2 or 3 Slots
Function	Supply Air	Colour	White P/C & Black Anodiesed Blade
Mount	Ceiling or Wall		Aluminium, Safety Cable, Rem. Core



Removable Core Linear Slot Diffuser					
	Product Code	Nominal Neck Imperial	Exact Neck Metric	Face Size Metric	Slots
	VRCLS600	12 x 12	590 x 97	638 x 145	2
	VRCLS900	15 x 15	890 x 97	938 x 145	2
	VRCLS1000	16 x16	990 x 97	1038 x 145	2
	VRCLS1195	18 x 18	1185 x 97	1233 x 145	2
	VRCLS12002	18 x 18	1190 x 97	1238 x 145	2
	VRCLS12003	18 x18	1190 x 97	1238 x 145	3
	Comes in 5 pieces per carton				
	*Diffusers are aluminium powder coated white & c/w black anodised blades				
	*All RCLS come complete with safety chains				

Round Aluminium Diffuser

PRODUCT INFORMATION			
Type	Round Aluminium Diffuser	**Colour**	White Powder Coat
Function	Supply Air	**Material**	Aluminium
Mount	Ceiling		Polymer Damper Blade

Round Aluminium Diffuser



Product Code	Exact Neck Metric	Nominal Neck Imperial	Face Size Metric	Cut Out Size Metric
VRCD6	150	6	300	250
VRCD8	200	8	350	300
VRCD10	250	10	400	350
VRCD12	300	12	450	400
*Fixing Clips available upon request				

ABS Plastic Round Diffuser

PRODUCT INFORMATION			
Type	Plastic Round Diffuser	**Colour**	White
Function	Supply Air	**Material**	ABS Polymer
Mount	Ceiling		Snap Down Fixing Clip

Plastic Round Diffuser



Product Code	Nominal Neck Metric	Nominal Neck Imperial	Face Size Metric	Cut Out Size Metric
VRPD04	100	4	165	185
VRPD06	150	6	255	235
VRPD8	200	8	320	285
VRPD10	250	10	390	355
VRPD12	300	12	435	410
*Grilles complete with snap down fixing clip & dual spring arrangement				

JETFLO Round Diffuser

PRODUCT INFORMATION			
Type	JETFLO Round Diffuser	**Colour**	White
Function	Supply or Exhaust Air	**Material**	ABS Polymer
Mount	Ceiling		Snap Down Fixing Clip

JETFLO Diffuser



Product Code	Nominal Neck Metric	Nominal Neck Imperial	Cut Out Size Metric	Cut Out Size Imperial
VJF6	150	6	205	8
VJF8	200	8	255	10
VJF10	250	10	305	12
VJF12	300	12	355	14
*Suitable for heating, cooling and exhaust applications				

Swirl Aluminium Diffuser

PRODUCT INFORMATION			
Type	Swirl Aluminium Diffuser	**Colour**	White Powder Coat
Function	Supply Air	**Material**	Aluminium
Mount	Ceiling	**Design**	Straight or Curved Vane

Swirl Aluminium Diffuser					
	**Product Code**	**Exact Neck Metric**	**Nominal Neck Imperial**	**Face Size Metric**	**Cut Out Size Metric**
	VSD395395	395 x 395	14 x 14	350	300
	VSD595595350	595 x 595	18 x 18	350	300
	VSD595595500	595 x 595	18 x 18	500	450
	*Grilles are aluminium powder coated white as standard				

Eyeball Jet Diffuser

PRODUCT INFORMATION			
Type	Eyeball Jet Diffuser	**Colour**	White Powder Coat
Function	Supply Air	**Material**	Aluminium
Mount	Ceiling		Rotational Core

UNIFLO Round Diffuser					
	**Product Code**	**Nominal Neck Metric**	**Nominal Neck Imperial**	**Face Size Metric**	**Cut Out Size Metric**
	VSEJD100	100	4	165	110
	VSEJD150	150	6	215	160
	VSEJD200	200	8	265	210
	*Grilles are aluminium powder coated white as standard				

Flanged Jet Difuser

PRODUCT INFORMATION			
Type	Flanged Jet Diffuser	**Colour**	White Powder Coat
Function	Supply Air	**Material**	Aluminium
Mount	Wall		Rotatable Core

Flanged Jet Diffuser				
	**Product Code**	**Neck Size Metric**	**Height Metric**	**Face Size Metric**
	VJDF8W	200	165	266
	VJDF10W	250	165	322
	VJDF12W	300	180	365
	VJDF14W	350	220	425
	VJDF16W	400	210	470
	*Grilles are aluminium powder coated white as standard			

Round Poly Flush Diffuser

PRODUCT INFORMATION			
Type	Round Poly Diffuser	**Colour**	White
Function	Supply Air	**Material**	Polymer
Mount	Ceiling	**Design**	Flush

Round Poly Flush Diffuser				
	**Product Code**	**Exact Neck Metric**	**Nominal Neck Imperial**	**Face Size Metric**
	VRPF4	100	4	300
	VRPF6	150	6	350
	*Fixing Clips available upon request			

Round Swirl Diffuser

Round Swirl Diffuser				
	**Product Code**	**Exact Neck Metric**	**Nominal Neck Imperial**	**Face Size Metric**
	VSDR426	348	14	426
	VSDR620	533	21 1/4	620
	*Fixing Clips available upon request			

Round Mesh Eve Vent

Round Mesh Eve Vent				
	**Product Code**	**Nominal Neck Metric**	**Nominal Neck Imperial**	**Face Size Metric**
	VEVSS100	100	4	100
	VEVSS125	125	5	125
	VEVSS150	150	6	150

Round Cinder Mesh

Round Cinder Mesh				
	**Product Code**	**Nominal Neck Metric**	**Nominal Neck Imperial**	**Face Size Metric**
	VEVMA100	100	4	100
	VEVMA125	125	5	125
	VEVMA150	150	6	150

Multi Directional Outlet Face Only

PRODUCT INFORMATION			
Type	Multi directional Outlet	**Colour**	White
Function	Supply Air	**Material**	ABS Polymer
Mount	Ceiling		Multi Directional

Multi Directional Outlet Face Only				
	Product Code	**Nominal Neck Metric**	**Nominal Neck Imperial**	**Pieces/Carton**
	VMDO99	225 x 225	9 x 9	10
	VMDO1212	300 x 300	12 x 12	10
	VMDO1515	225 x 225	9 x 9	10
	*Non-glare mottled white finish			

Reducing Neck for Multiflo

PRODUCT INFORMATION			
Type	Reducing Neck for Multiflo	**Colour**	Black
Design	Butterfly Damper at Rear	**Material**	ABS Polymer

Poly Reducing Necks - c/w Damper to suit MULTIFLO®				
	**Product Code**	**Neck Size Metric**	**Neck Size Imperial**	**Spigot Size Metric**
	VMDO998CB	225 x 225	9 x 9	200
	VMDO1212N8	300 x 300	12 x 12	200
	VMDO1212N10	300 x 300	12 x 12	250
	VMDO1212N12	300 x 300	12 x 12	300
	VMDO1515N8	375 x 375	15 x 15	200
	VMDO1515N10	375 x 375	15 x 15	250
	VMDO1515N12	375 x 375	15 x 15	300
	*All Reducing Necks are black as standard			

Flanged Jet Difuser

PRODUCT INFORMATION			
Type	Flanged Jet Diffuser	**Colour**	White Powder Coat
Function	Supply Air	**Material**	Aluminium
Mount	Wall		Rotatable Core

Flanged Jet Diffuser				
	**Product Code**	**Neck Size Metric**	**Height Metric**	**Face Size Metric**
	VJDF8W	200	165	266
	VJDF10W	250	165	322
	VJDF12W	300	180	365
	VJDF14W	350	220	425
	VJDF16W	400	210	470
	*Grilles are aluminium powder coated white as standard			

Egg Crate Round Diffuser

PRODUCT INFORMATION			
Type	EggCrate Round	**Colour**	White
Function	Supply or Exhaust Air	**Mount**	Ceiling or Wall
Material	Polymer	**Design**	Connection to duct

Egg Crate Round Diffuser



Product Code	Nominal Neck Metric	Nominal Neck Imperial	Face Size Metric
VREG6	150	6	235
VREG8	200	8	285
VREG10	250	10	305
VREG12	300	12	355
*Grilles are aluminium powder coated white as standard			

Louvre Grille

PRODUCT INFORMATION			
Type	Louvre Grille	**Colour**	White
Function	Exhaust or Intake Air	**Mount**	Ceiling or Wall
Material	ABS Polymer	**Design**	Connection to duct

Louvre Grille



Product Code	Nominal Neck Metric	Nominal Neck Imperial	Pieces/Carton
VLGF4	100	4	20
VLGF5	125	5	20
VLGF6	150	6	10
*Grilles are aluminium powder coated white as standard			

Gravity Grille

PRODUCT INFORMATION			
Type	Gravity Grille	**Colour**	White
Function	Exhaust or Intake Air	**Mount**	Ceiling or Wall
Material	ABS Polymer	**Design**	Connection to duct

Gravity Grille

Product Code	Nominal Neck Metric	Nominal Neck Imperial	Pieces/Carton
VGG4	100	4	20
VGG5	125	5	20
VGG6	150	6	10
*Grilles are aluminium powder coated white as standard			

Exhaust Metal Valve

PRODUCT INFORMATION			
Type	Round Valve	**Colour**	White Powdercoat
Function	Supply or Exhaust Air	**Mount**	Ceiling
Material	Steel	**Design**	Turn Adjustment

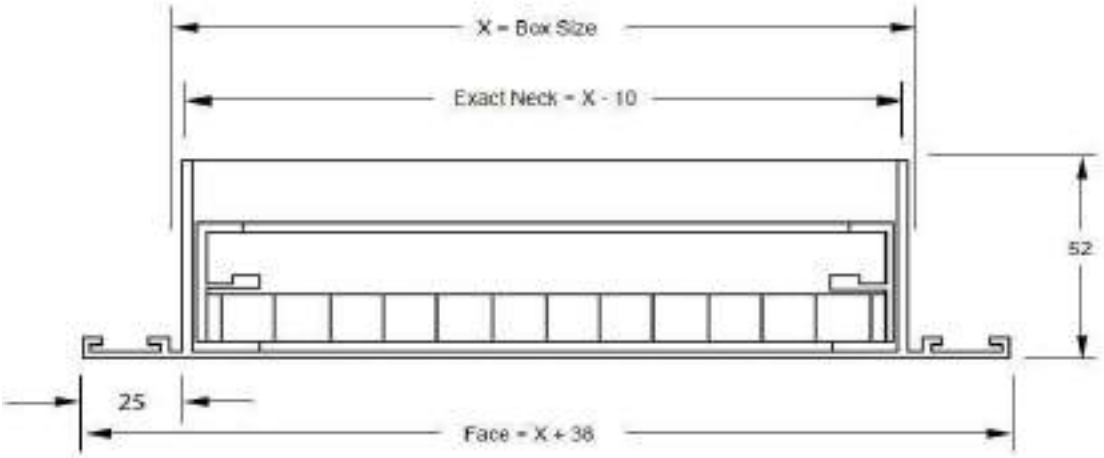
Exhaust Metal Valve



Product Code	Exact Neck Metric	Nominal Neck Imperial	Face Size Metric
VMVE4	100	4	140
VMVE5	125	5	165
VMVE6	150	6	200
VMVE8	200	8	250
*Grilles are aluminium powder coated white as standard			

Hinged EggCrate Grille with Filter

PRODUCT INFORMATION			
Type	Hinged EggCrate Grille	**Colour**	White Powdercoat
Function	Return or Exhaust Air	**Mount**	Ceiling or Wall
Material	Aluminium	**Design**	Hinged on Short Side



Hinged EggCrate Grille with Filter



Product Code	Nominal Neck Metric	Nominal Neck Imperial	Pieces/Carton
VECGF1010	250 x 250	10 x 10	2
VECGF1212	300 x 300	12 x 12	2
VECGF1414	350 x 350	14 x 14	2
VECGF1612	400 x 300	16 x 12	2
VECGF1616	400 x 400	16 x 16	2
VECGF1818	450 x 450	18 x 18	2

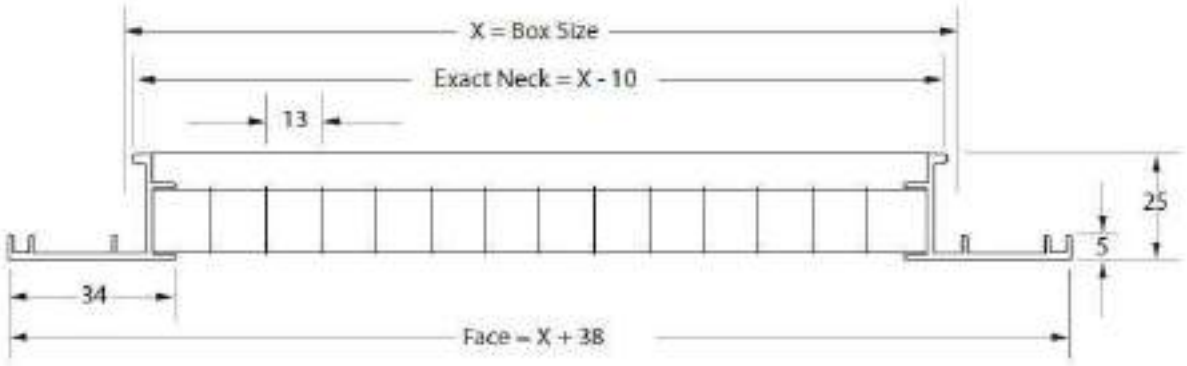
Hinged EggCrate Grille with Filter				
	Product Code	Nominal Neck Metric	Nominal Neck Imperial	Pieces/Carton
	VECGF2016	500 x 400	20 x 16	2
	VECGF2020	500 x 500	20 x 20	2
	VECGF2412	600 x 300	24 x 12	2
	VECGF2416	600 x 400	24 x 16	2
	VECGF2418	600 x 450	24 x 18	2
	VECGF2420	600 x 500	24 x 20	2
	VECGF2422	600 x 550	24 x 22	2
	VECGF595595	595 x 595	24 x 24	2
	VECGF2424	600 x 600	24 x 24	2
	VECGF2622	650 x 550	26 x 22	2
	VECGF2816	700 x 400	28 x 16	2
	VECGF2820	700 x 500	28 x 20	2
	VECGF2822	700 x 550	28 x 22	2
	VECGF3016	750 x 400	30 x 16	2
	VECGF3018	750 x 450	30 x 18	2
	VECGF3020	750 x 500	30 x 20	2
	VECGF3022	750 x 550	30 x 22	2
	VECGF3024	750 x 600	30 x 24	2
	VECGF3220	800 x 500	32 x 20	2
	VECGF3224	800 x 600	32 x 24	2
	VECGF3616	900 x 400	36 x 16	2
	VECGF3618	900 x 450	36 x 18	2
	VECGF3620	900 x 500	36 x 20	2
	VECGF3622	900 x 550	36 x 22	2
	VECGF3624	900 x 600	36 x 24	2
	VECGF4020	1000 x 500	40 x 20	2
	VECGF4816	1200 x 400	48 x 16	2
	VECGF1195595	1195 x 595	48 x 24	2
	VECGF4824	1200 x 600	48 x 24	2

Hinged EggCrate Grille with Electrostatic Filter

Hinged EggCrate Grille with Electrostatic Filter				
	Product Code	Nominal Neck Metric	Nominal Neck Imperial	Pieces/Carton
	VECGF3016E	750 x 400	30 x 16	2
	VECGF3616E	900 x 400	36 x 16	2
	VECGF3620E	900 x 500	36 x 20	2

Fixed Core EggCrate Grille

PRODUCT INFORMATION			
Type	Fixed EggCrate Grille	**Colour**	White Powdercoat
Function	Return or Exhaust Air	**Mount**	Ceiling or Wall
Material	Aluminium	**Design**	Fixed



Fixed Core EggCrate Grille				
	**Product Code**	**Nominal Neck Metric**	**Nominal Neck Imperial**	**Pieces/Carton**
	VEG66	150 x 150	6 x 6	40
	VEG88	200 x 200	8 x 8	20
	VEG99	225 x 225	9 x 9	10
	VEG1010	250 x 250	10 x 10	10
	VEG1212	300 x 300	12 x 12	10
	VEG1414	350 x 350	14 x 14	10
	VEG1616	400 x 400	16 x 16	5
	VEG2412	600 x 300	24 x 12	5
	VEG2424	600 x 600	24 x 24	5
	VEG1195595	1195 x 595	48 x 24	2

Fixed Core Layin EggCrate Grille

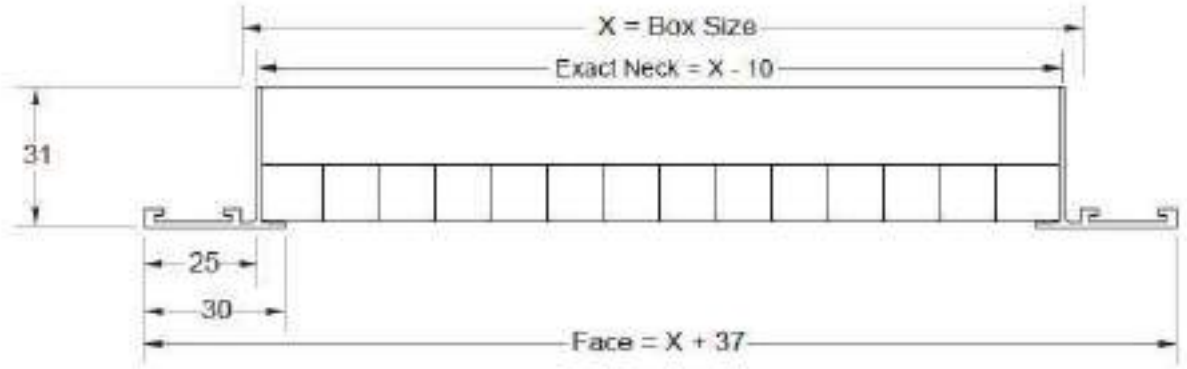
Fixed Core Layin EggCrate Grille				
	**Product Code**	**Face Size Metric**	**Nominal Neck Metric**	**Pieces/Carton**
	VEG595295F	595 x 295	550 x 250	5
	VEG595595F	595 x 595	550 x 250	5

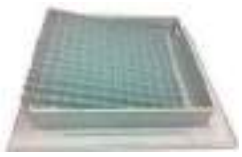
Fixed Core EggCrate Grille with Reducing Neck and Fixing Clip

Fixed Core EggCrate Grille with Reducing Neck and Fixing Clip				
	**Product Code**	**Nominal Neck Metric**	**Nominal Neck Imperial**	**Spigot Size Metric**
	VEGN664	150 x 150	6 x 6	100
	VEGN665	150 x 150	6 x 6	125
	VEGN666	150 x 150	6 x 6	150
	VEGN886	200 x 200	8 x 8	150
	VEGN888	200 x 200	8 x 8	200
	VEGN10108	250 x 250	10 x 10	200
	VEGN101010	250 x 250	10 x 10	250
	VEGN12128	300 x 300	12 x 12	200
	VEGN121210	300 x 300	12 x 12	250
	VEGN121212	300 x 300	12 x 12	300

Loose Core EggCrate Grille

PRODUCT INFORMATION			
Type	Loose Core EggCrate Grille	**Colour**	White Powdercoat
Function	Return or Exhaust Air	**Mount**	Ceiling or Wall
Material	Aluminium	**Design**	Loose Core



Loose Core EggCrate Grille				
	**Product Code**	**Nominal Neck Metric**	**Nominal Neck Imperial**	**Pieces/Carton**
	VEGLC1212	300 x 300	12 x 12	10
	VEGLC1616	400 x 400	16 x 16	5
	VEGLC2424	600 x 600	24 x 24	5

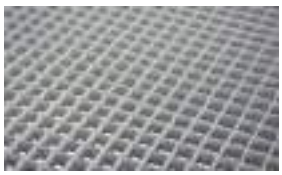
Loose Core Lay-In EggCrate Grille

Loose Core Lay-In EggCrate Grille				
	Product Code	Face Size Metric	Nominal Neck Metric	Pieces/Carton
	VEGLC595F	595 x 595	550 x 550	5

Reducing Necks without clips for Lay-In Fixed and Loose Core EggCrate Grilles

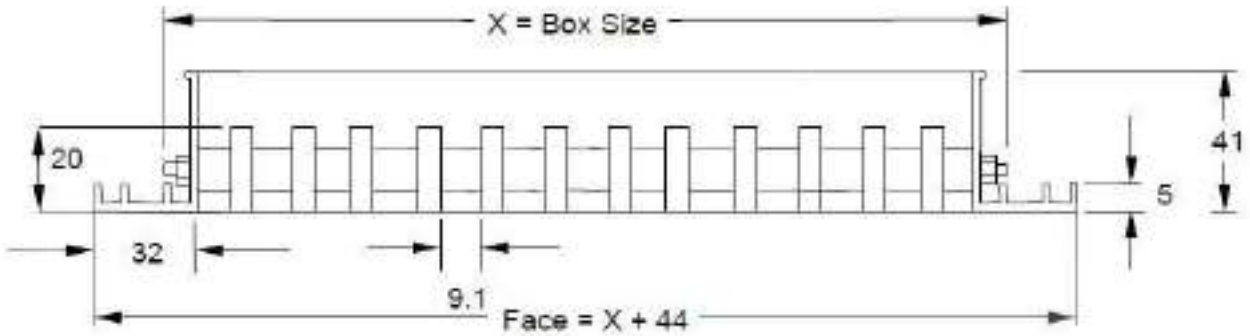
Reducing Neck without Clips for Lay-In Fixed and Loose Core EggCrate Grilles				
	Product Code	Nominal Neck Metric	Nominal Neck Imperial	Spigot Size Imperial
	VFFTBR200	550 x 550	22 x 22	8
	VFFTBR250	550 x 550	22 x 22	10
	VFFTBR300	550 x 550	22 x 22	12

EggCrate Core Only

EggCrate Core Only				
	Product Code	Exact Size Metric	Finish	Pieces/Carton
	VEGCC1195595	1220 x 1220	White	10

Floor Grille

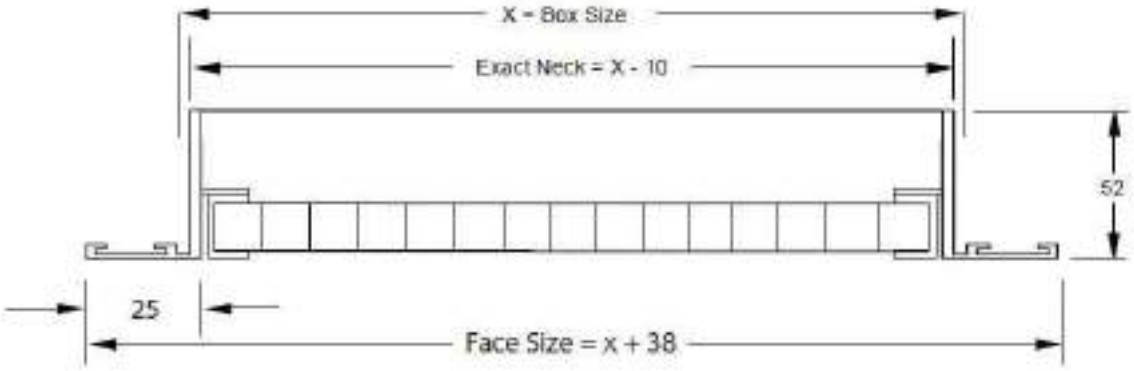
PRODUCT INFORMATION			
Type	Floor Grille	**Colour**	Natural Anodised
Function	Supply or Return Air	**Mount**	Aluminium
Material	Aluminium	**Design**	Fixed Core



Floor Grille				
	Product Code	**Nominal Neck Metric**	**Nominal Neck Imperial**	**Finish**
	VMFG124	300 x 100	12 x 4	Metal
	VMFG124B	300 x 100	12 x 6	Biege
	VMFG126B	300 x 150	14 x 6	Biege
	VMFG126N	300 x 150	16 x 6	Natural
	VMFG146	350 x 150	12 x 4	Metal
	VMFG146B	350 x 150	12 x 6	Biege
	VMFG146N	350 x 150	14 x 6	Natural
	VMFG166B	400 x 150	16 x 6	Biege
	VMFG166N	400 x 150	14 x 6	Natural

Removable Core Bar Grille

PRODUCT INFORMATION			
Type	Removable Core Bar Grille	**Colour**	White Powdercoat
Function	Supply Air	**Mount**	Wall
Material	Aluminium	**Design**	Fixed Blades



Removable Core Bar Grilles				
	Product Code	**Nominal Neck Metric**	**Nominal Neck Metric**	**Pieces/Carton**
	VRCBG124	300 x 100	12 x 4	1
	VRCBG144	350 x 100	14 x 4	1
	VRCBG146	350 x 150	14 x 6	1
	VRCBG164	400 x 100	16 x 4	1
	VRCBG166	400 x 150	16 x 6	1
	VRCBG204	500 x 100	20 x 4	1
	VRCBG244	600 x 100	24 x 4	1
	VRCBG246	600 x 150	24 x 6	1
	VRCBG324	800 x 100	32 x 4	1
	VRCBG364	900 x 100	36 x 4	1
	VRCBG366	900 x 150	36 x 6	1
	VRCBG404	1000 x 100	40 x 4	1
	VRCBG406	1000 x 150	40 x 6	1
	VRCBG484	1200 x 100	48 x 4	1
	VRCBG486	1200 x 150	48 x 6	1
	VRCBG604	1500 x 100	60 x 4	1
	VRCBG606	1500 x 150	60 x 6	1

Fixed Core Bar Grille

PRODUCT INFORMATION			
Type	Fixed Core Bar Grille	**Colour**	White Powdercoat
Function	Supply Air	**Mount**	Wall
Material	Aluminium	**Design**	Fixed Blades

Fixed Core Bar Grilles				
	**Product Code**	**Nominal Neck Metric**	**Nominal Neck Metric**	**Pieces/Carton**
	VBG126	300 x 150	12 x 6	1
	VBG144	350 x 100	14 x 4	1
	VBG146	350 x 150	14 x 6	1
	VBG164	400 x 100	16 x 4	1
	VBG168	400 x 200	16 x 8	1
	VBG1612	400 x 300	16 x 12	1
	VBG186	450 x 150	18 x 6	1
	VBG204	500 x 100	20 x 4	1
	VBG244	600 x 100	24 x 4	1
	VBG246	600 x 150	24 x 6	1
	VBG324	800 x 100	32 x 4	1
	VBG326	800 x 150	32 x 6	1
	VBG364	900 x 100	36 x 4	1
	VBG366	900 x 150	36 x 6	1
	VBG404	1000 x 100	40 x 4	1
	VBG406	1000 x 150	40 x 6	1
	VBG484	1200 x 100	48 x 4	1
	VBG486	1200 x 150	48 x 6	1
	VBG604	1500 x 100	60 x 4	1
	VBG606	1500 x 150	60 x 6	1

Schots Elite Vents

No. 7 Vent				
	**Product Code**	**Description**	**Internal Size Metric**	**External Size Metric**
	VFGH7BN	Brush Nickel	355 x 145	380 x 185

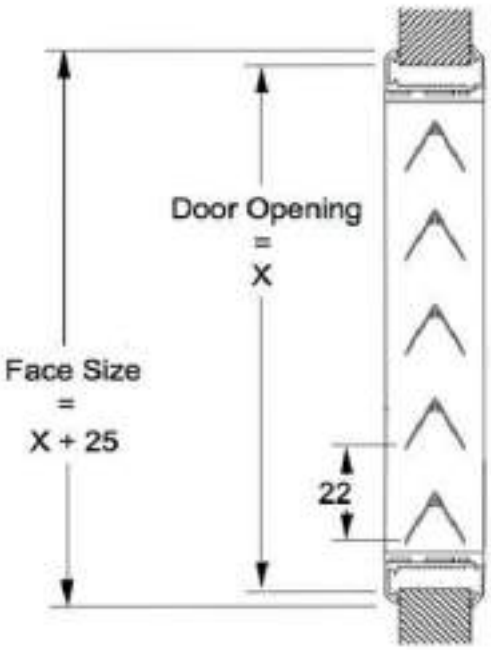
No. 8 Vent				
	**Product Code**	**Description**	**Internal Size Metric**	**External Size Metric**
	VFGH8OB	Oiled Bronze	350 x 150	400 x 200

No. 11 Vent				
	**Product Code**	**Description**	**Internal Size Metric**	**External Size Metric**
	VFGH11BP	Brass Plated	300 x 100	345 x 145

No. 18 Vent				
	**Product Code**	**Description**	**Int. Size**	**Ext. Size**
	VFGH18FB	Florintine Bronze	295 x 95	340 x 130

Door Grille

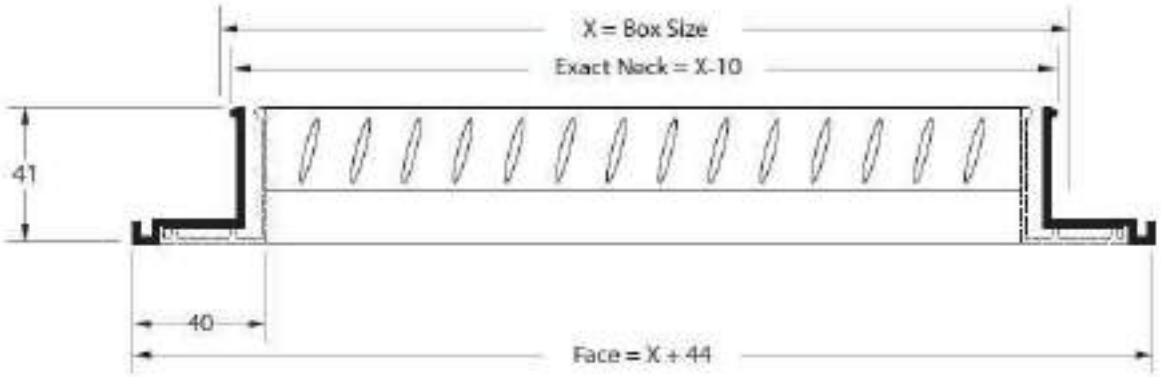
PRODUCT INFORMATION			
Type	Door Grille	**Colour**	Anodised
Function	Air Relief	**Mount**	Door
Material	Aluminium	**Design**	Fixed Single Blades



Door Grilles				
	Product Code	Nominal Neck Metric	Nominal Neck Imperial	Pieces/Carton
	VDG126	300 x 150	12 x 6	10
	VDG186	450 x 150	18 x 6	10
	VDG244	600 x 100	24 x 4	10
	VDG246	600 x 150	24 x 6	10
	VDG248	600 x 200	24 x 8	10
	VDG1212	300 x 300	12 x 12	10
	VDG1818	450 x 450	18 x 18	10
	VDG2012	500 x 300	20 x 12	10
	VDG2410	600 x 250	24 x 10	10
	VDG2412	600 x 300	24 x 12	10
	VDG2416	600 x 400	24 x 16	10
	VDG2418	600 x 450	24 x 18	10
	VDG2424	600 x 600	24 x 24	10

Removable Core Double Deflection Register

PRODUCT INFORMATION			
Type	Removable Double Deflection	**Colour**	White Powdercoat
Function	Supply Air	**Mount**	Wall or Duct
Material	Aluminium	**Design**	Adjustable Blades

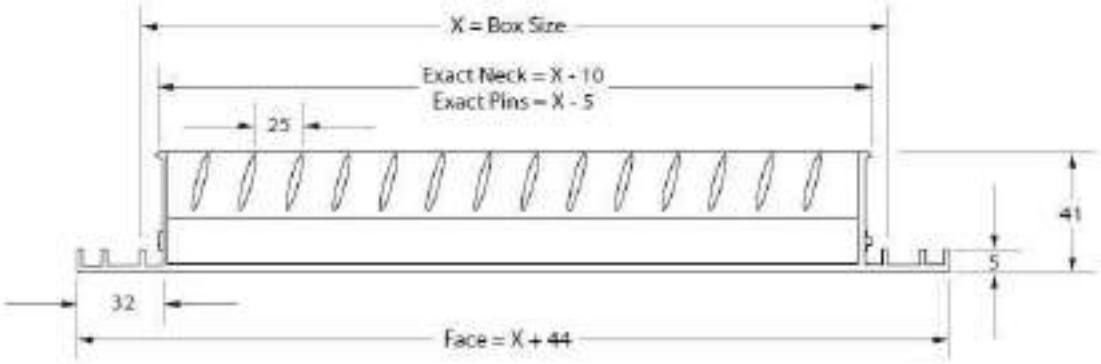


Removable Core Double Deflection Register				
	Product Code	Nominal Neck Metric	Nominal Neck Imperial	Pieces/Carton
	VSWR124RC	300 x 100	12 x 4	5
	VSWR126RC	300 x 150	12 x 6	5
	VSWR128RC	300 x 200	12 x 8	5
	VSWR1210RC	300 x 250	12 x 10	5
	VSWR144RC	350 x 100	14 x 4	5
	VSWR146RC	400 x 150	14 x 6	5
	VSWR148RC	400 x 200	14 x 8	5

Removable Core Double Deflection Register				
	**Product Code**	**Nominal Neck Metric**	**Nominal Neck Imperial**	**Pieces/Carton**
	VSWR164RC	400 x 100	16 x 4	5
	VSWR166RC	400 x 150	16 x 6	5
	VSWR168RC	400 x 200	16 x 8	5
	VSWR184RC	450 x 100	18 x 4	5
	VSWR186RC	450 x 150	18 x 6	5
	VSWR188RC	450 x 200	18 x 8	5
	VSWR204RC	500 x 100	20 x 4	5
	VSWR206RC	500 x 150	20 x 6	5
	VSWR208RC	500 x 200	20 x 8	5
	VSWR2010RC	500 x 250	20 x 10	5
	VSWR244RC	600 x 100	24 x 4	5
	VSWR246RC	600 x 150	24 x 6	5
	VSWR248RC	600 x 200	24 x 8	5
	VSWR2410RC	600 x 250	24 x 10	5
	VSWR2412RC	600 x 300	24 x 12	5
	VSWR324RC	800 x 100	32 x 4	5

Fixed Core Double Deflection Register

PRODUCT INFORMATION			
Type	Fixed Double Deflection	**Colour**	White Powdercoat
Function	Supply Air	**Mount**	Wall or Duct
Material	Aluminium	**Design**	Adjustable Blades



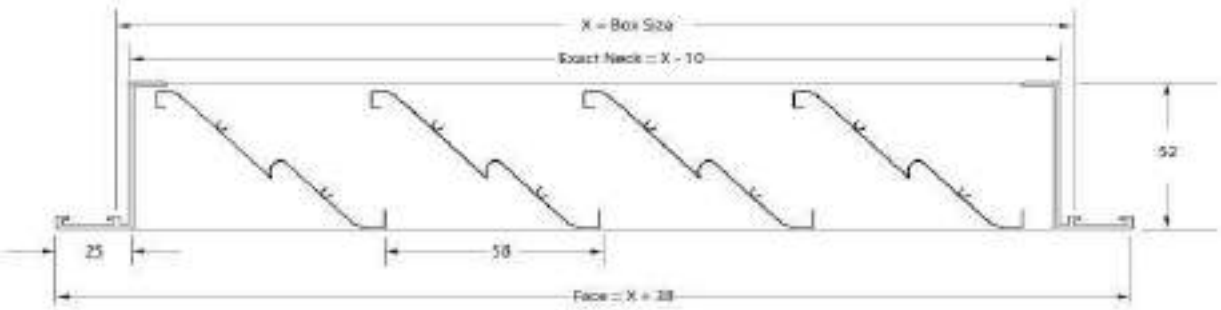
Fixed Core Double Deflection Register				
	**Product Code**	**Nominal Neck (mm)**	**Nominal Neck Imperial**	**Pieces/Carton**
	VSWR66	150 x 150	6 x 6	5
	VSWR84	200 x 100	8 x 4	5
	VSWR88	200 x 200	8 x 8	5
	VSWR104	250 x 100	10 x 4	5
	VSWR106	250 x 150	10 x 6	5
	VSWR108	250 x 200	10 x 8	5
	VSWR1010	250 x 250	10 x 10	5

Fixed Core Double Deflection Register

Fixed Core Double Deflection Register				
	Product Code	Nominal Neck Metric	Nominal Neck Imperial	Pieces/Carton
	VSWR124	300 x 100	12 x 4	5
	VSWR126	300 x 150	12 x 6	5
	VSWR128	300 x 200	12 x 8	5
	VSWR1210	300 x 250	12 x 10	5
	VSWR1212	300 x 300	12 x 12	5
	VSWR144	350 x 100	14 x 4	5
	VSWR146	350 x 150	14 x 6	5
	VSWR148	350 x 200	14 x 8	5
	VSWR1410	350 x 250	14 x 10	5
	VSWR164	400 x 100	16 x 4	5
	VSWR166	400 x 150	16 x 6	5
	VSWR168	400 x 200	16 x 8	5
	VSWR1610	400 x 250	16 x 10	5
	VSWR1612	400 x 300	16 x 12	5
	VSWR184	450 x 100	18 x 4	5
	VSWR186	450 x 150	18 x 6	5
	VSWR188	450 x 200	18 x 8	5
	VSWR1810	450 x 250	18 x 10	5
	VSWR204	500 x 100	20 x 4	5
	VSWR206	500 x 150	20 x 6	5
	VSWR208	500 x 200	20 x 8	5
	VSWR2010	500 x 250	20 x 10	5
	VSWR2012	500 x 300	20 x 12	5
	VSWR244	600 x 100	24 x 4	5
	VSWR246	600 x 150	24 x 6	5
	VSWR248	600 x 200	24 x 8	5
	VSWR2410	600 x 250	24 x 10	5
	VSWR2412	600 x 300	24 x 12	5
	VSWR306	750 x 150	30 x 6	5
	VSWR308	750 x 200	30 x 8	5
	VSWR366	900 x 150	36 x 6	5
	VSWR3612	900 x 300	36 x 12	5
	VSWR486	1200 x 150	48 x 6	5

Weatherproof Louvre

PRODUCT INFO			
Type	Weatherproof Louvre	**Colour**	Anodised
Function	Exhaust or air intake	**Mount**	Wall
Material	Aluminium	**Design**	48mm blade spacing



Weatherproof Louvre				
	Product Code	**Nominal Neck Metric**	**Nominal Neck Imperial**	**Pieces/Carton**
	VOAL66	150 x 150	6 x 6	10
	VOAL88	200 x 200	8 x 8	10
	VOAL95	225 x 125	9 x 5	10
	VOAL97	225 x 175	9 x 7	10
	VOAL1010	250 x 250	10 x 10	10
	VOAL1212	300 x 300	12 x 12	10
	VOAL1414	350 x 350	14 x 14	10
	VOAL168	400 x 200	16 x 8	10
	VOAL1616	400 x 400	16 x 16	10
	VOAL1818	450 x 450	18 x 18	5
	VOAL2020	500 x 500	20 x 20	5
	VOAL2412	600 x 300	24 x 12	5
	VOAL2424	600 x 600	24 x 24	5

Round Weatherproof Louvre

Round Weatherproof Louvre				
	Product Code	**Face Diameter Metric**	**Nominal Neck Imperial**	**Pieces/Carton**
	VOARWPL6	150	6	1
	VOARWPL8	200	8	1
	VOARWPL10	250	10	1
	VOARWPL12	300	12	1
	VOARWPL14	350	14	1
	VOARWPL16	400	16	1

Snap Box For Weatherproof Louvre

Snap Box For Weatherproof Louvre			
	**Product Code**	**Description**	**Nominal Neck Metric**
	VOAL95B	Weatherproof Louvre Snap Box Only	225 x 125
	VOAL95SB	Weatherproof Louvre With Snap Box	225 x 125
	VOAL97B	Weatherproof Louvre Snap Box Only	225 x 175
	VOAL97SB	Weatherproof Louvre With Snap Box	225 x 175

Floor Poly Boots

Floor Poly Boots				
	**Product Code**	**Nominal Neck Metric**	**Spigot Size**	**Design**
	VMFG1248	300 x 100	200	Straight
	VMFG124AB	300 x 100	150	Angled
	VMFG124SB	300 x 100	150	Straight
	VMFG146AB	350 x 150	200	Angled
	VMFG146SB	350 x 150	200	Straight

Opposide Blade Dampers

OBD				
	**Product Code**	**Nominal Neck Metric**	**Nominal Neck Imperial**	**Pieces/Carton**
	VOBD2410	600 x 250	24 x 10	1
	VOBD2412	600 x 300	24 x 12	1
	VOBD2416	600 x 400	24 x 16	1
	VOBD2424	600 x 600	24 x 24	1
	VOBD306	750 x 150	30 x 6	1
	VOBD308	750 x 200	30 x 8	1
	VOBD324	800 x 100	32 x 4	1
	VOBD366	900 x 150	36 x 6	1
	VOBD4622	1150 x 550	46 x 22	1
	VOBD4824	1200 x 600	48 x 24	1

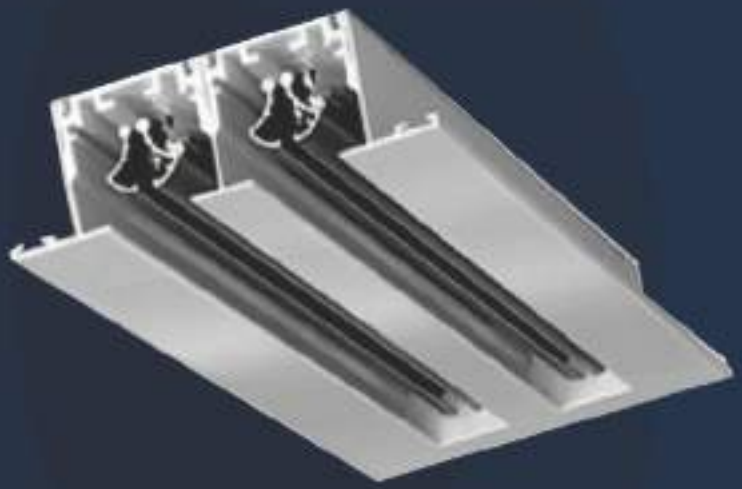
Ceiling Panel Frame

Plaster Board Frame				
	**Product Code**	**Nominal Neck Metric**	**Nominal Neck Imperial**	**Pieces/Carton**
	VAPGP450	450 x 450	18 x 18	1
	VAPGP595	595 x 595	24 x 24	1

TRADE STORE
ARROW SALES PTY LTD

AIR GRILLES Supplies

Linear Slot Diffusers
Fixed Core

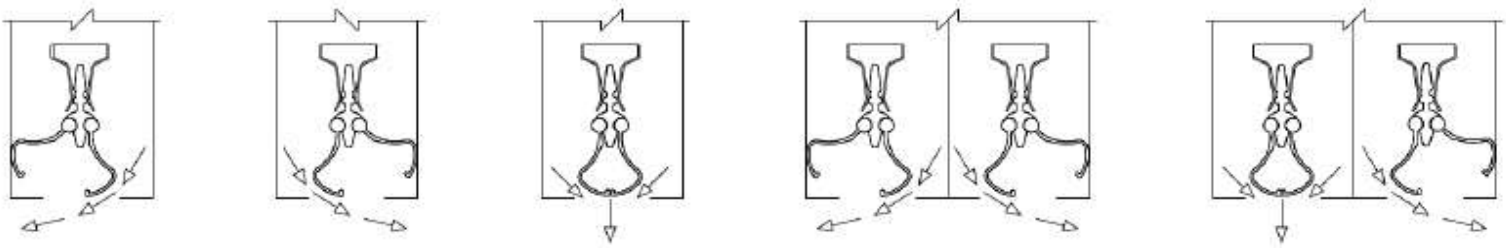


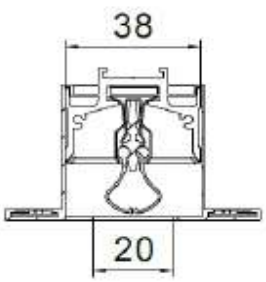


The Linear Slot Diffuser is made with unique air pattern control design, suitable for supply or return air, with fully adjustable blades. The air pattern can be adjusted in site or factory to suit design requirements. Suitable for ceiling or wall mounting applications.

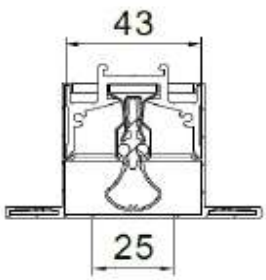
Features:

- Material: aluminium profile 6063 T5
- Blades are anodized black
- Dimension tolerance: ±1mm
- Number of slots can be customized
- White colour is standard
- Plenum box with insulation (optional)

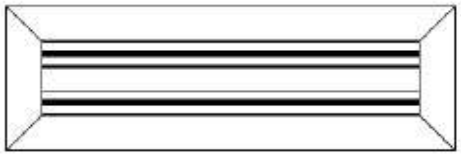


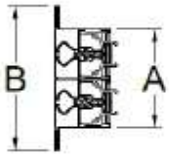


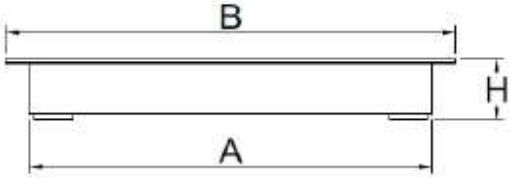
LSD-20



LSD-25







20mm Fixed Core Linear Slots



Code	VSLD-20		Slot	H
	A-A	B-B		
VSLD1000/1	995x40	1032x77	1	49
VSLD1000/2	995x79	1032x116	2	49
VSLD1000/3	995x118	1032x155	3	49
VSLD1000/4	995x157	1032x194	4	49
VSLD1000/5	995x196	1032x233	5	49

Performance Data 20mm Linear Slots

No Slots	Total Pres	Hor	1.5		4		8		14		23		31		44		58	
	Pasc	Vert	1		3		6		11		17		24		31		42	
1	Lit/Sec/Metre		9		19		28		37		47		55		65		75	
	NR		-		-		-		21		27		33		38		42	
	Throw	Hor	0.4	1	0.4	2.8	1	3.4	1.6	4	2.4	4.6	2.8	5	3.2	5.2	3.4	8
	In Meter	Vert	0.6		1.8		3.2		3.8		4.4		4.6		5		5.2	
2	Lit/Sec/Metre		19		37		55		75		95		115		130		150	
	NR		-		-		16		26		32		38		43		47	
	Throw	Hor	0.4	1.6	0.6	4	1.6	5	2.8	8	3.4	6.4	4	7	4.4	6	4.6	8.2
	in Meter	Vert	1.2		2.8		4.4		5.2		5.8		6.4		7		7.4	
3	Lit/Sec/Metre		28		55		85		115		140		170		195		225	
	NR		-		-		19		29		35		41		46		50	
	Throw	Hor	0.4	2.4	1.2	5	2.2	6.2	3.4	7	4.4	8	5	8.6	5.6	9.2	5.8	9.8
	In Meter	Vert	1.8		3.4		5.2		6.4		7		8		8.6		9.2	
4	Lit/Sec/Metre		37		75		115		150		185		225		260		300	
	NR		-		-		21		31		37		43		48		52	
	Throw	Hor	0.4	3.2	1.6	5.8	3.2	7	4	8.2	5	9.2	5.8	9.8	6.4	10.8	6.8	11.4
	In Metre	Vert	1.8		4		5.8		7.4		8.2		9.2		9.8		10.4	
5	Lit/Sec/Metre		47		95		140		185		235		280		325		375	
	NR		-		-		22		32		38		44		49		53	
	Throw	Hor	0.6	3.4	1.8	6.4	3.4	8	4.6	9.2	5.6	10.2	6.4	11	7	12	7.6	12.8
	In Meter	Vert	2.2		4.4		6.4		8.2		9.2		10.2		11		11.6	
6	Lit/Sec/Metre		55		115		170		225		280		335		390		445	
	NR		-		-		23		33		39		45		50		54	
	Throw	Hor	0.6	3.8	2.4	7	3.8	8.6	5	9.8	6.2	11	7	12.2	7.6	12.2	8	13.8
	In Meter	Vert	2.4		4.6		7.4		9.2		10.2		11		12		12.8	
7	Lit/Seec/Metre		65		130		195		260		325		390		455		520	
	NR		-		13		24		34		40		46		51		55	
	Throw	Hor	1	3.8	2.8	7.6	4	9.2	5.6	10.8	6.8	12	7.6	13.2	8.2	14	8.8	15
	In Metre	Vert	2.4		5		7.4		9.8		11		12		12.8		13.8	
8	Lit/Sec/Metre		75		150		225		300		375		445		520		595	
	NR		-		14		25		35		41		47		52		56	
	Throw	Hor	1.2	4.4	2.8	8.2	4.4	9.8	5.8	11.4	7.4	12.8	8	13.8	8.8	15	9.2	16
	In Metre	Vert	2.4		5		7.4		10.2		11.6		12.8		13.8		14.6	

LEGEND

Qs - Primary Air Flow Rate (L/s) Ps - Supply Static Pressure (Pa) NC - Noise Criterion based upon room absorption of 10db

> - Length of throw greater than that able to be measured Th - Horizontal Throw in metres at terminal velocity of 0.25m/s

< - Insufficient margin above background noise to allow accurate determination

25mm Fixed Core Linear Slots



Code	VSLD-25		Slot	H
	A-A	B-B		
VSLD1000/1	995x45	1032x82	1	49
VSLD1000/2	995x89	1032x126	2	49
VSLD1000/3	995x133	1032x170	3	49
VSLD1000/4	995x177	1032x214	4	49
VSLD1000/5	995x221	1032x258	5	49

Performance Data 25mm Linear Slots

No Slots	Total Pres	Hor	1		4		9			16		24		35		49		62	
	Pasc	Vert	1		2		6			10		15		21		29		37	
1	Dir/Sec/hr		12		25		37			50		65		75		90		100	
	NR		-		-		16			25		32		37		42		46	
	Throw	Hor	0.1	1	0.4	3.4	1		4	1.8	4.6	2.8	5.2	3.4	5.8	4.8	6.2	3.8	6.8
	In Meter	Vert	0.6		2.4		3.8			4.4		4.6		5.2		5.6		5.8	
2	Dir/Sec/hr		25		50		75			100		125		150		175		200	
	NR		-		-		21			30		37		42		47		51	
	Throw	Hor	0.4	1.8	1	4.6	1.8		5.8	3.4	6.8	4.4	7.4	4.6	8.2	5	8.2	5.6	9.6
	in Meter	Vert	1.6		3.4		5			5.8		6.8		7.6		8		8.6	
3	Dir/Sec/hr		37		75		115			150		185		225		260		300	
	NR		-		16		24			33		40		45		50		54	
	Throw	Hor	0.4	3.2	1.2	5.8	3.2	7		4	8.2	5	9.2	5.8	9.8	6.2	10.8	6.8	11.4
	In Meter	Vert	2.2		4		6.2			7.4		8.2		8.8		9.8		10.4	
4	Dir/Sec/hr		50		100		150			200		250		300		350		400	
	NR		-		13		26			35		42		47		52		56	
	Throw	Hor	0.6	3.4	1.8	6.8	3.8	8.2		4.6	9.6	6.2	10.4	6.8	11.4	7.4	12.2	7.6	13.2
	In Metre	Vert	-		13		26			35		42		47		52		56	
5	Dir/Sec/hr		65		125		185			250		310		375		435		495	
	NR		-		14		27			36		43		48		53		57	
	Throw	Hor	0.6	4	2.4	7.4	4	9.2		5.6	10.4	6.8	11.6	7.4	12.8	8	13.8	8.6	14.6
	In Meter	Vert	2.8		5.2		7.6			9.6		10.4		11.6		12.6		13.2	
6	Dir/Sec/hr		75		150		225			300		375		445		520		595	
	NR		-		15		28			37		44		49		54		58	
	Throw	Hor	1	4.4	2.8	8.2	4.6	9.8		5.8	11.4	7.4	12.8	8.2	13.8	8.8	15	9.2	16
	In Meter	Vert	2.8		5.8		8.6			10.4		11.6		12.6		13.8		14.6	
7	Dir/Sec/M		90		185		260			350		435		520		610		695	
	NR		-		16		29			38		45		50		55		59	
	Throw	Hor	1	4.6	3.2	8.6	4.6	10.8		6.4	12.2	8	13.8	8.8	15	9.6	16.2	10.2	17.2
	In Metre	Vert	3.2		6.2		9.2			11		12.6		13.8		14.6		16	
8	Dir/Sec/hr		100		200		300			400		495		595		695		795	
	NR		-		17		30			39		45		51		56		60	
	Throw	Hor	1.2	5	3.4	9.6	5	11.4		5.8	13.2	8.6	14.6	9.2	16	10.2	17.2	10.8	18.4
	In Metre	Vert	3.4		6.8		9.8			12		13.2		14.6		16		16.8	

LEGEND

Qs - Primary Air Flow Rate (L/s) Ps - Supply Static Pressure (Pa) NC - Noise Criterion based upon room absorption of 10db

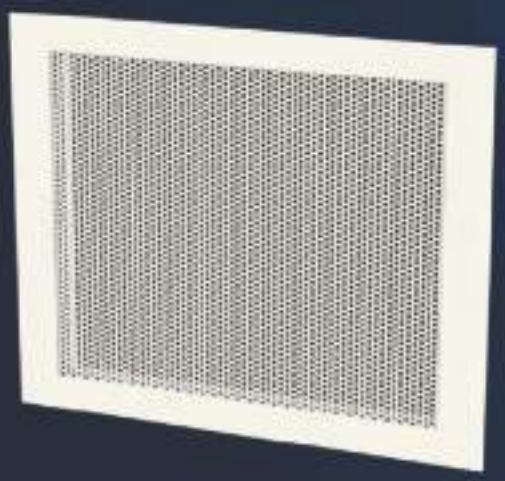
> - Length of throw greater than that able to be measured Th - Horizontal Throw in metres at terminal velocity of 0.25m/s

< - Insufficient margin above background noise to allow accurate determination

TRADE STORE
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AIR GRILLES Supplies

Perforated Grilles Fixed & Removable



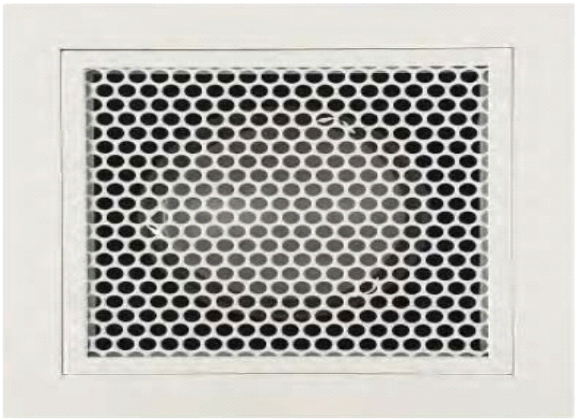
Perforated plate diffusers are ideal in areas where resistance to tampering is desirable.

APPLICATIONS:

- Secure type grille for supply or return air applications, designed to fit any ceiling suspension.
- Perforated plate diffusers are ideal in areas where resistance to tampering is desirable, such as schools (the holes are too small to push fingers through guarding against injury and damage).

Able to be used for both supply and extract, Series VPG Grilles have a free area of around 50% for good air handling characteristics.

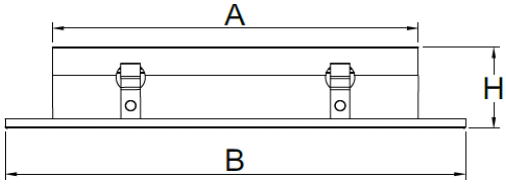
When used for supply, perforated grilles create a stable throw. This can be used to make an area completely filled by the moving supply air, excluding resident air. For extract, the good free area makes a grille able to handle medium size air volumes without the creation of too much noise or pressure drop.



Perforated plate diffuser

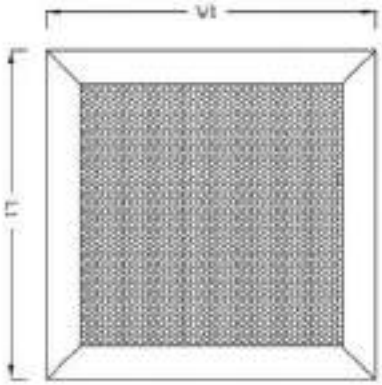
Features:

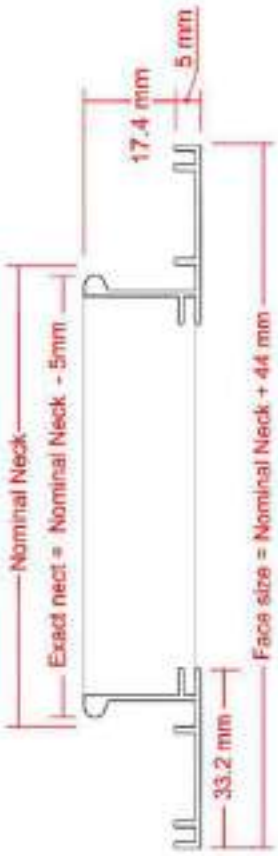
- Perforated plate is made of steel
- Outer frame material: Aluminium 6061 T5
- Contruction: Frames have punched in corners in addition to welded joints
- Core: Fixed or Removable
- Colour: Standard RAL9010 and RAL9016



Fixed Core Perforated Grille



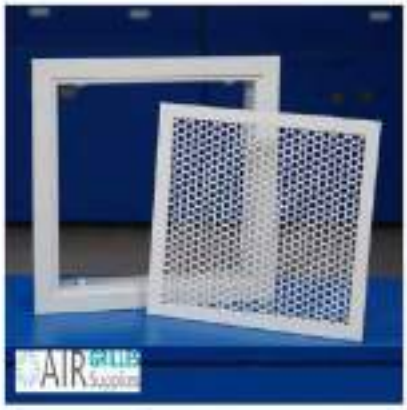


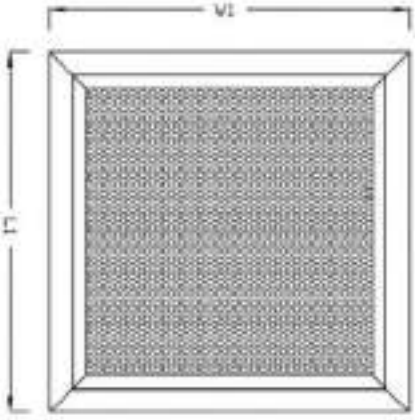


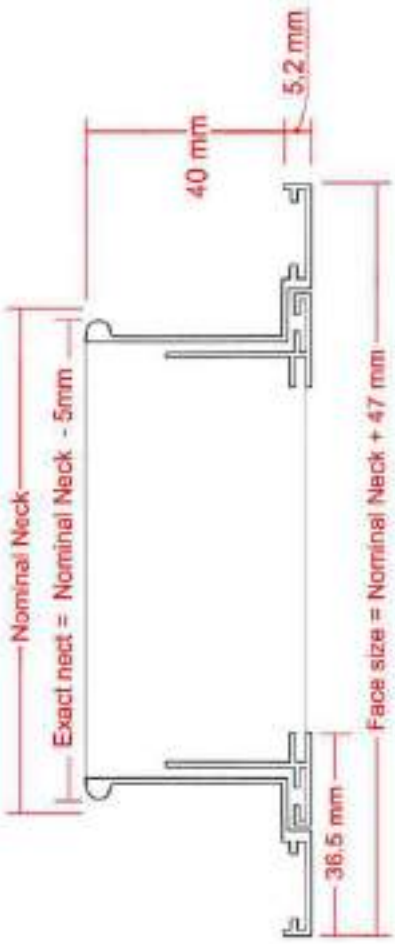
Peformance Data VPG Fixed Core Peforated Grille

H	Vk m/s	L					
		300	400	500	600	800	1000
		air flow l/s					
200	2	48.6	65.6	82.5	99.4	133.6	167.8
	3	72.8	98.3	123.9	149.4	200.3	251.4
	4	96.9	131.1	165.0	199.2	267.2	335.3
300	2	74.7	100.8	127.2	153.3	205.6	258.3
	3	112.2	151.4	190.8	230.0	308.3	387.5
	4	149.4	201.9	254.4	306.7	411.7	516.7
400	2	100.8	136.4	171.7	207.2	277.8	348.9
	3	151.4	204.4	257.8	310.8	416.7	523.3
	4	201.9	272.8	343.6	414.4	555.6	697.8
500	2	127.2	171.7	216.4	261.1	350.0	439.4
	3	190.8	257.8	324.7	391.7	525.0	659.2
	4	254.4	343.6	432.8	521.9	700.6	878.9
600	2	153.3	207.2	261.1	314.7	422.2	530.0
	3	230.0	310.8	391.7	472.2	633.3	795.3
	4	306.7	414.4	521.9	629.7	845.0	1060.3

Removable Core Perforated Grille







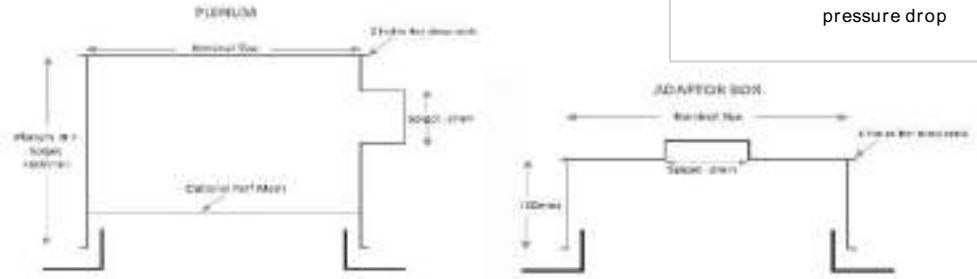
Peformance Data VPGRC Fixed Core Peforated Grille

H	Vk m/s	L					
		300	400	500	600	800	1000
		air flow l/s					
200	2	38.9	52.4	66.0	79.6	106.9	134.2
	3	58.2	78.7	99.1	119.6	160.2	201.1
	4	77.6	104.9	132.0	159.3	213.8	268.2
300	2	59.8	80.7	101.8	122.7	164.4	206.7
	3	89.8	121.1	152.7	184.0	246.7	310.0
	4	119.6	161.6	203.6	245.3	329.3	413.3
400	2	80.7	109.1	137.3	165.8	222.2	279.1
	3	121.1	163.6	206.2	248.7	333.3	418.7
	4	161.6	218.2	274.9	331.6	444.4	558.2
500	2	101.8	137.3	173.1	208.9	280.0	351.6
	3	152.7	206.2	259.8	313.3	420.0	527.3
	4	203.6	274.9	346.2	417.6	560.4	703.1
600	2	122.7	165.8	208.9	251.8	337.8	424.0
	3	184.0	248.7	313.3	377.8	506.7	636.2
	4	245.3	331.6	417.6	503.8	676.0	848.2

Noise level dB(A)		
	V m/s	dB(A)
sound power level	2	20/25
	3	25/30
	4	35/40

Pressure drop (Pa)		
	V m/s	Pa
pressure drop	2	15
	3	40
	4	70

PLENUM BOX DIMENSIONS



Side entry as drawn. Top entry 250 high.

VPG Extract Grilles c/w Side Entry Plenum

AIR VOL (l/s)	HEIGHT	SPIGOT	WIDTH																							
			150		200		300		400		500		600		700		800		900		1000		1100		1200	
			Pa	NR	Pa	NR	Pa	NR	Pa	NR	Pa	NR	Pa	NR	Pa	NR	Pa	NR	Pa	NR	Pa	NR	Pa	NR	Pa	NR
25	150	125dia	24	22	27	20	15	/	10	/	8	/	5	/	5	/	5	/	5	/	5	/	5	/	5	/
50	150	150dia			51	40	30	25	24	20	15	/	12	/	10	/	10	/	9	/	5	/	5	/	5	/
	200				33	28	24	22	15	/	12	/	10	/	9	/	8	/	7	/	5	/	5	/	5	/
75	150						42	26	27	22	21	20	18	/	15	/	12	/	10	/	8	/	5	/	5	/
	200	200dia			48	34	27	22	18	/	15	/	12	/	10	/	8	/	7	/	5	/	5	/	5	/
	300						18	/	15	/	12	/	10	/	8	/	7	/	5	/	5	/	5	/	5	/
100	150	200dia							48	34	39	30	33	25	30	22	27	20	15	/	12	/	10	/	8	/
	200	200dia					48	34	33	25	30	22	27	20	24	/	15	/	12	/	10	/	8	/	5	/
	300	250dia					18	/	15	/	12	/	10	/	8	/	5	/	5	/	5	/	5	/	5	/
125	150										42	34	33	25	27	22	24	20	20	/	18	/	15	/	10	/
	200	250dia							36	25	27	20	24	20	21	/	15	/	12	/	10	/	5	/	5	/
	300						30	25	24	22	21	/	15	/	12	/	10	/	9	/	5	/	5	/	5	/
150	150	250dia									57	37	45	34	36	30	33	25	30	20	27	20	24	/	15	/
	200								51	34	36	30	30	20	27	20	24	/	15	/	12	/	10	/	5	/
	300						42	32	30	22	24	20	24	20	15	/	10	/	9	/	5	/	5	/	5	/
	400								24	20	21	/	15	/	12	/	9	/	5	/	5	/	5	/	5	/
200	200	300dia									54	37	42	34	36	30	30	25	25	20	24	20	15	/	12	/
	300						60	41	42	34	30	25	27	22	24	20	20	/	15	/	12	/	10	/	8	/
	400								30	25	24	20	24	20	15	/	12	/	9	/	8	/	5	/	5	/
	500										24	20	15	/	12	/	10	/	9	/	5	/	5	/	5	/
250	300	350dia									36	34	30	25	24	20	21	/	15	/	12	/	10	/	8	/
	400								33	28	27	22	21	/	21	/	18	/	15	/	8	/	5	/	5	/
	500										21	/	18	/	15	/	12	/	10	/	5	/	5	/	5	/
	600												18	/	15	/	10	/	9	/	5	/	5	/	5	/
300	300	350dia									54	37	42	32	36	30	33	25	28	20	27	20	21	/	15	/
	400								48	36	39	32	33	28	27	20	21	/	15	/	12	/	10	/	8	/
	500										30	25	27	22	24	20	15	/	12	/	10	/	8	/	5	/
	600												27	20	21	/	12	/	10	/	8	/	5	/	5	/
350	300	400dia											45	37	36	34	30	25	25	20	24	20	21	/	18	/
	400								54	43	39	34	30	25	27	22	24	20	15	/	10	/	8	/	5	/
	500										30	25	24	20	21	/	18	/	10	/	8	/	5	/	5	/
	600												27	22	21	/	12	/	8	/	5	/	5	/	5	/
400	300	400dia													48	37	42	30	33	25	30	20	30	20	24	20
	400								72	48	51	39	42	34	36	34	33	30	27	25	27	25	24	20	21	/
	500										39	35	33	30	30	28	27	22	25	/	21	/	18	/	15	/
	600												30	28	27	22	24	20	12	/	18	/	15	/	15	/
500	300	450dia															54	43	48	37	42	34	39	30	36	25
	400												54	43	45	36	39	30	33	28	30	25	27	22	24	20
	500										51	41	42	34	36	32	30	28	25	20	24	20	21	/	18	/
	600												33	30	30	28	27	25	24	20	21	/	18	/	15	/
600	300	500dia																	57	45	48	43	42	69	39	36
	400														51	44	45	39	39	34	33	30	30	28	27	25
	500										63	49	48	41	39	36	33	30	30	28	27	25	24	20	21	/
	600												36	34	33	30	27	25	24	20	21	/	18	/	15	/

TRADE STORE
ARROW SALES PTY LTD

AIR GRILLES Supplies

Ceiling Swirl Diffuser
Fixed Air Pattern



Swirl is a fixed pattern swirl air diff user suitable for mixed flow ventilation and variable and constant volume systems. The rotary swirl motion of the supply air rapidly induces room air to quickly decrease the velocity and temperature difference of the incoming supply air and helps create uniform air velocities and temperatures within the occupied zone. Due to the design of the diff user and resulting air pattern, high air change rates can be achieved whilst still maintaining comfort levels. The diff user can be used on ceiling heights ranging from 2.6-4.0m, in cooling applications. Our purpose designed and individually selected plenum boxes will ensure optimum performance from the Swirl diffuser.

Neck of Swirl	No of Blades	Blade Angle
D254	18	18°
D356	24	18°
D457	30	18°
D535	36	18°



The following face sizes are also available:

395×395
445×445
495×495
595x595
605×605



Standard colour: RAL9010 and RAL9016. Special colour is available upon request.

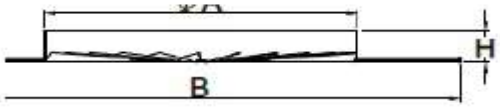
RADIAL SWIRL DIFFUSER



Swirl diffusers have the ability to handle lower to mid-range air quantities and being able to maintain the desired supply air swirl pattern.

Swirl diffusers are highly versatile, making them ideal for use in a variety of applications, such as office blocks, hospitals, shopping centres, or any building where the even distribution of air is of greatest importance.

Cross Sectional Diagram



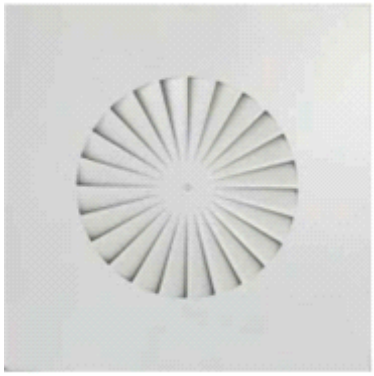
Arrow Sales swirl diffusers are made of galvanized sheet steel. The front panels retain a resistant sintered polyester surface at high temperature, which is extremely colour-fast and anti-static. With powdered coating in colour RAL 9010 (white) smooth glossy with 80 to 90% gloss level or in another RAL colour.

Available Sizes:

Product Code	Description	Face Size	No of Blades	Blade Angle (°	Air Volume	Bolt Size
VS18D254595	D254/595/18	595x595	18	18	Low	M6x100
VS18D254295	D254/295/18	295x295				
VS18D254395	D254/395/18	395x395				
VS18D254495	D254/495/18	495x495				
VS24D356595	D356/595/24	595x595	24	18	Low	M6x100
VS24D356395	D356/395/24	395x395				
VS24D356495	D356/495/24	495x495				
VS30D457595	D457/595/30	595x595	30	18	Low	M6x100
VS30D457495	D457/495/30	495x495				
VS30D535595	D535/595/36	595x595	36	18	Low	M6x100
VS24D356595	D356/595/24	595x595	24	38	High	M6x100
VS24D356497	D356/497/24	497x497				
VS22D356595	D356/595/22	595x595	22	38	High	M8x75
VS22D356395	D356/395/22	395x395				
VS22D356445	D356/445/22	445x445				
VS24D500595	D500/595/24	595x595	24	38	High	M8x75
VS22D504595	D504/595/22	595x595	22	38	High	M8x75
VS34D538595	D538/595/24	595x595	24	38	High	M6x100
VS34D535595	D535/595/34	595x595	34	18	High	M6x100
VSDR22356426	D356/D426/22	D426	22	38	High	M8x75
VSDR22356426	D356/D426/24	D426	24	38	High	M8x75
VSDR22500620	D500/D620/22	D620	22	38	High	M8x75
VSDR24500620	D500/D620/24	D620	24	38	High	M8x75

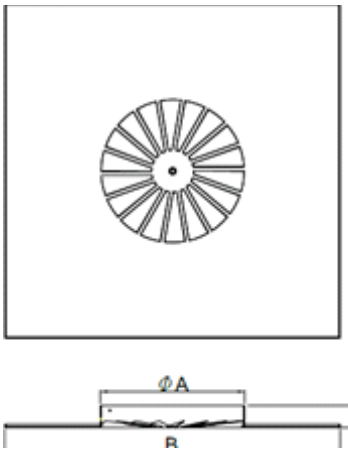
RADIAL SWIRL DIFFUSER

Swirl Diffuser Fixed Blade (VSD)



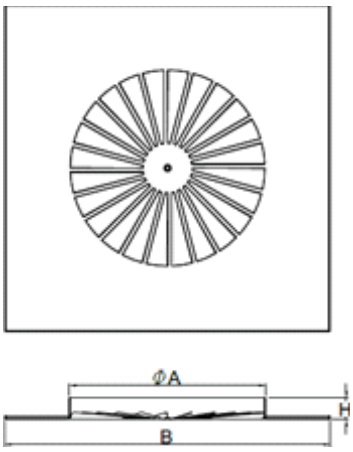
Features:
- Material: Steel with thickness of 0.8mm or 1.0mm
- Blade angle: 18 Degrees
- Mounting: M6x100 Countersunk head central fixing screw
- Silicon plug or plastic cap for screw (optional)
- Colour: Standard RAL9010 and RAL9016

VS18D

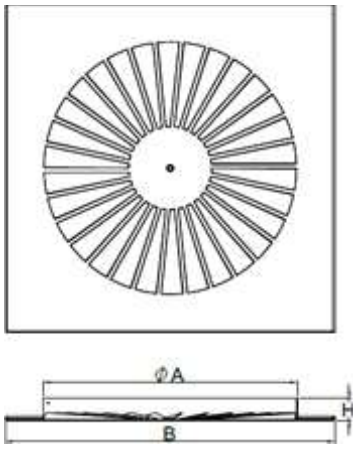


Item	Neck Size ΦA	Face Size B-B	Height H	Blades
VS18D254595	254	295x295	40	18
VS18D254295	254	395x395	40	18
VS18D254395	254	495x495	40	18
VS18D254495	254	595x595	40	18

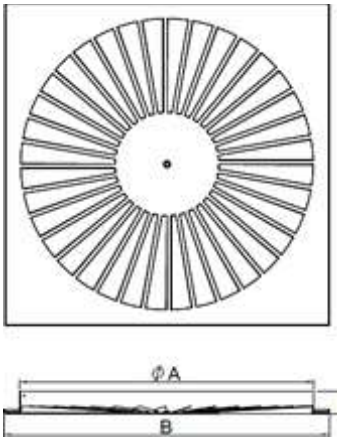
VS24D



Item	Neck Size ΦA	Face Size B-B	Height H	Blades
VS24D356595	356	356x356	40	18
VS24D356395	356	495x495	40	18
VS24D356495	356	595x595	40	18



VS30D

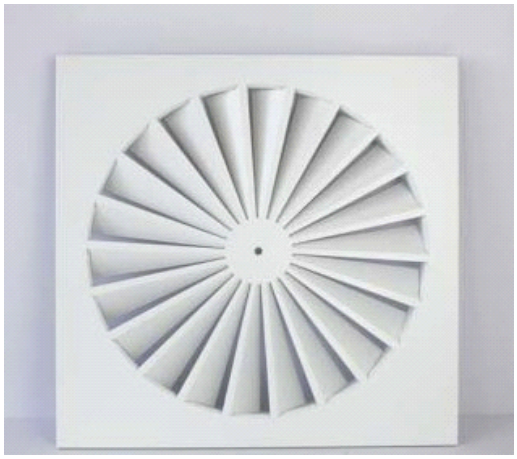


Item	Neck Size ΦA	Face Size B-B	Height H	Blades
VS30D457595	457	495x495	40	18
VS30D457495	457	595x595	40	18

Item	Neck Size ΦA	Face Size B-B	Height H	Blades
VS30D535595	535	595x595	40	18

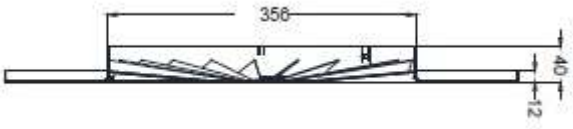
RADIAL SWIRL DIFFUSER

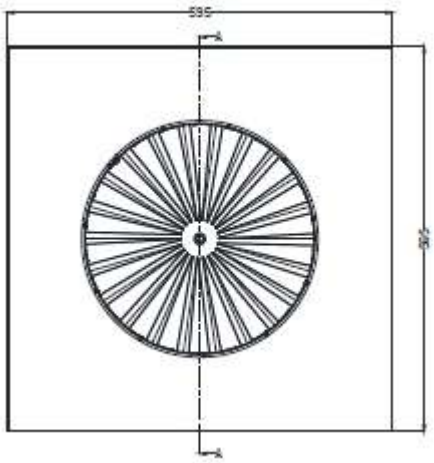
Swirl Diffuser Fixed Blades (VSD)



Swirl diffuser (VSD) has 22 fixed vanes. It has the ability to handle lower to midrange air quantities and being able to maintain the desired supply a swirl pattern.

The VSD is a highly versatile swirl, making it ideal for use in a variety of applications,such as office blocks, hospitals, shopping centres, or any building where the even distribution of air is of greatest importance.





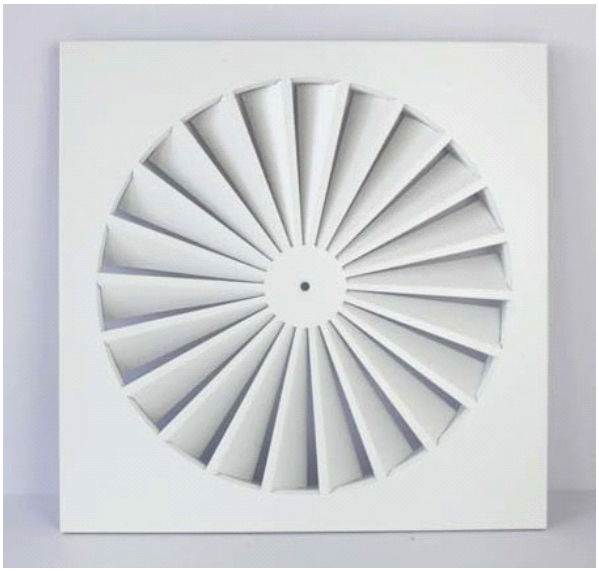
Performance Data

TEST CONDITIONS				SOUND POWER LEVEL, db re 1E-12W OCTAVE BAND CENTRE FREQUENCY (Hz)						
Qs(l/s)	Ps(Pa)	Th(m)	NC	125	250	500	1000	2000	4000	8000
50	2	2	<11	<38.3	<30.8	<26.2	<22.8	<15.9	<14.5	<14.7
100	6	3.6	<12	40.2	32.1	<26.8	<23.3	<16.2	<14.8	<14.8
150	14	5.6	15	41.6	37.6	31.2	<25.3	<17.6	<14.5	<14.9
180	20	6.7	21	44.2	42.4	36.9	30.3	25.6	<16.6	<15.0
200	25	>7	24	47.7	44.3	39.6	34	27.2	19.9	<15.2

LEGEND
QS - Primary Air Flow Rate (L/s) Ps - Supply Static Pressure (Pa) NC - Noise Criterion based upon room absorption of 10db
> - Length of throw greater than that able to be measured Th - Horizontal Throw in metres at terminal velocity of 0.25m/s
< - Insufficient margin above background noise to allow accurate determination

Product Specification Codes:	
VSD395395	Swirl Diffuser D350 with 395mm x 395mm FACE
VSD445445	Swirl Diffuser D350 with 445mm x 445mm FACE
VSD595595350	Swirl Diffuser D350 with 595mm x 595mm FACE

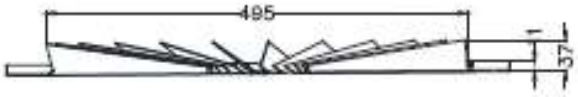
RADIAL SWIRL DIFFUSER

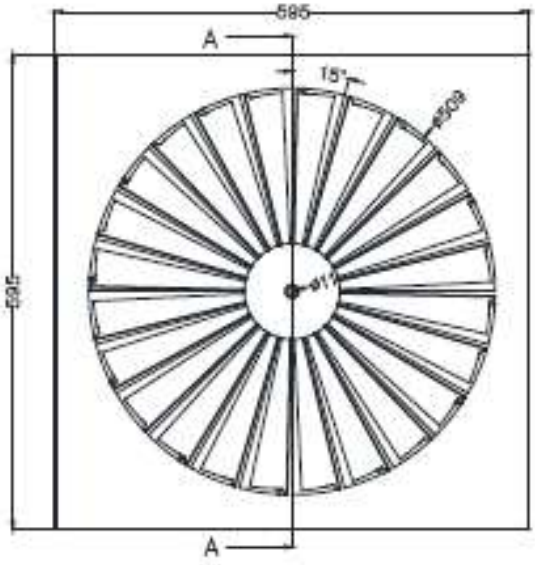


Swirl diffuser (VSD595595500) has 24 fixed vanes. It has the ability to handle lower to midrange air quantities and being able to maintain the desired supply air swirl pat- tern.

The VSD595595500 is highly versatile, making it ideal for use in a variety of applications, such as office blocks, hospi- tals, shopping centres, or any building where the even distribution of air is of greatest importance.

Cross Sectional Diagram





TEST CONDITIONS				SOUND POWER LEVEL, db re 1E-12W OCTAVE BAND CENTRE FREQUENCY (Hz)						
Qs(l/s)	Ps(Pa)	Th(m)	NC	125	250	500	1000	2000	4000	8000
165	7	4	17	42.5	37.5	31.4	29.7	25.4	16.6	<13.7
245	10	5	22	45.9	41.9	35.8	33.6	30.6	20.3	<13.7
288	13	6	27	49.9	46.4	40.5	38.4	36	26.5	16.4
351	19	7	32	53.5	50.6	45.6	42.8	39.8	31.8	22.1
432	29	>7	37	58.4	55.8	51.2	47.5	44.9	37.6	28.9

LEGEND
QS - Primary Air Flow Rate (L/s) Ps - Supply Static Pressure (Pa) NC - Noise Criterion based upon room absorption of 10db
> - Length of throw greater than that able to be measured Th - Horizontal Throw in metres at terminal velocity of 0.25m/s
< - Insufficient margin above background noise to allow accurate determination

Product Specification Codes	
VSD595595500	Swirl Diffuser D500 with 595mm x 595mm FACE

RADIAL SWIRL DIFFUSER

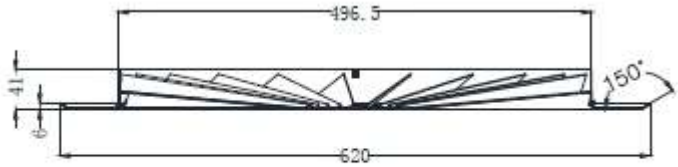
Round Swirl Diffuser

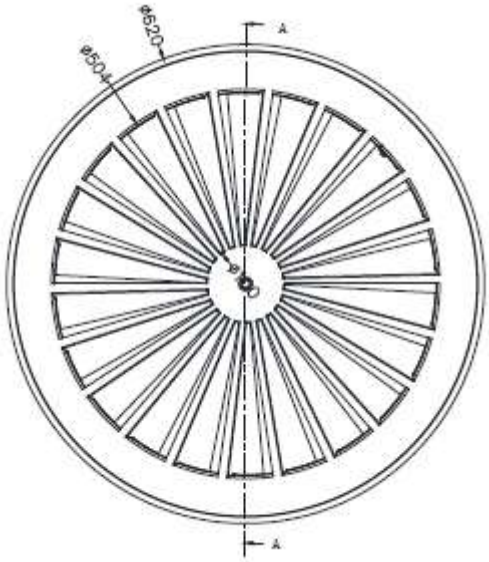


Round swirl diffuser (VSDR620) has 24 fixed vanes. It hasthe ability to handle lower to midrangeair quantities and being able to maintain the desired supply air swirl pattern.

The VSDR620is highly versatile, making it ideal for use in a variety of applications, such as office blocks, hospitals, shopping centres, or any building where the even distribution c air is of greatest importance.

Cross Sectional Diagram





TEST CONDITIONS				SOUND POWER LEVEL, db re 1E-12W OCTAVE BAND CENTRE FREQUENCY (Hz)						
Qs(l/s)	Ps(Pa)	Th(m)	NC	125	250	500	1000	2000	4000	8000
165	7	4	17	42.5	37.5	31.4	29.7	25.4	16.6	<13.7
245	10	5	22	45.9	41.9	35.8	33.6	30.6	20.3	<13.7
288	13	6	27	49.9	46.4	40.5	38.4	36	26.5	16.4
351	19	7	32	53.5	50.6	45.6	42.8	39.8	31.8	22.1
432	29	>7	37	58.4	55.8	51.2	47.5	44.9	37.6	28.9

Product Specification Codes	
VSRR620	Round Swirl Diffuser D500 with 620 Face

TRADE STORE
ARROW SALES PTY LTD

AIR GRILLES Supplies

Round Poly Diffuser
Stocked Range
Adjustable Throw



Description

Suitable for supply air applications for cooling, heating and isothermal conditions. Offers a variety of airflow patterns. Suitable for modular ceiling systems.

Construction

From A.B.S polymers providing long term strength and rigidity. The airflow passages are smooth ensuring quiet and efficient airflow. The centre cone can be wound up or down to adjust the airflow and throw pattern.

PRODUCT CODE	DESCRIPTION
VRPD04	Round Poly Diffuser 100mm
VRPD06	Round Poly Diffuser 150mm
VRPD8	Round Poly Diffuser 200mm
VRPD10	Round Poly Diffuser 250mm
VRPD12	Round Poly Diffuser 300mm
VRPDI08	Round Poly Insulated Diffuser 200mm
VRPDI10	Round Poly Insulated Diffuser 250mm
VRPDI12	Round Poly Insulated Diffuser 300mm

Note:

- Non-glare mottled white finish
- Grilles are complete with snap down fixing clip and dual spring arrangement

AIR GRILLES Supplies

PERFORMANCE DATA

Round Diffusers: VRPD/VRPDI

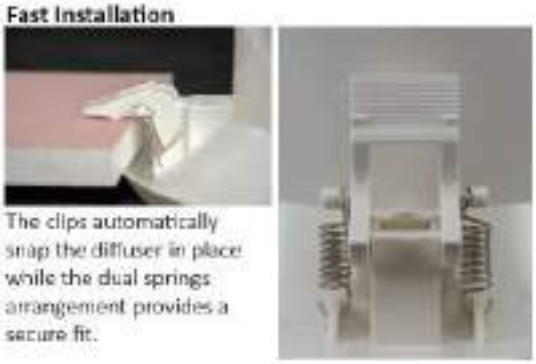
Round Poly Diffusers - A.B.S.					
PRODUCT CODE	**EXACT NECK (mm)**	**CEILING OPENING (mm)**	**FACE SIZE (mm)**	**HEIGHT (mm)**	**PIECES/ CARTON**
VRPD06	150 Dia	235 Dia	255 Dia	110	10
VRPD8	200 Dia	285 Dia	320 Dia	115	10
VRPD10	250 Dia	355 Dia	390 Dia	120	10
VRPD12	300 Dia	410 Dia	435 Dia	120	5

Round Poly Diffusers - A.B.S.					
PRODUCT CODE	**EXACT NECK (mm)**	**CEILING OPENING (mm)**	**FACE SIZE (mm)**	**HEIGHT (mm)**	**PIECES/ CARTON**
VRPDI08	200 Dia	285 Dia	320 Dia	115	10
VRPDI10	250 Dia	355 Dia	390 Dia	120	10
VRPDI12	300 Dia	410 Dia	435 Dia	120	5

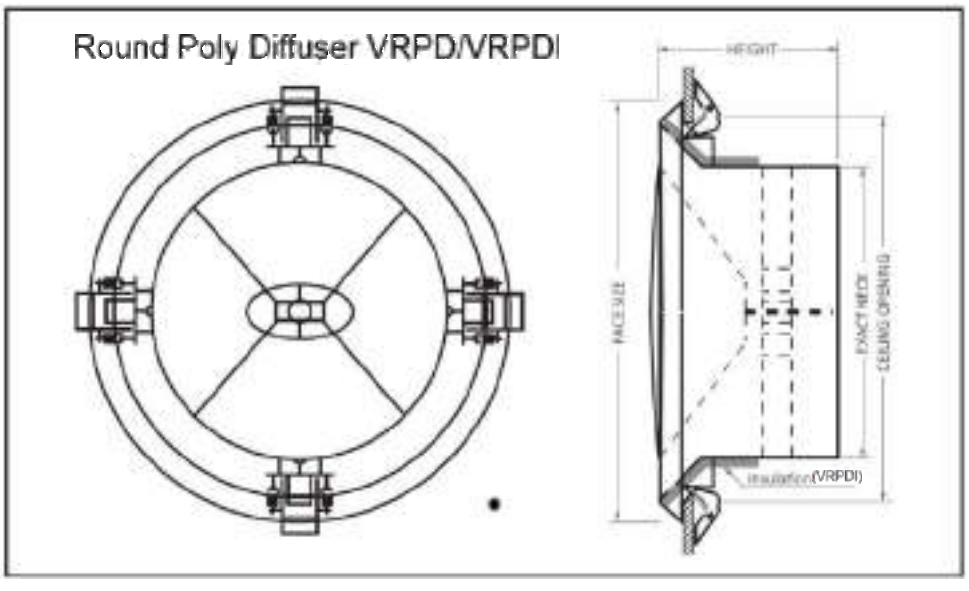
Easy Airflow Adjustment



Fast Installation



The clips automatically snap the diffuser in place while the dual springs arrangement provides a secure fit.



PERFORMANCE DATA

Round Diffusers: VRPD/VRPDI

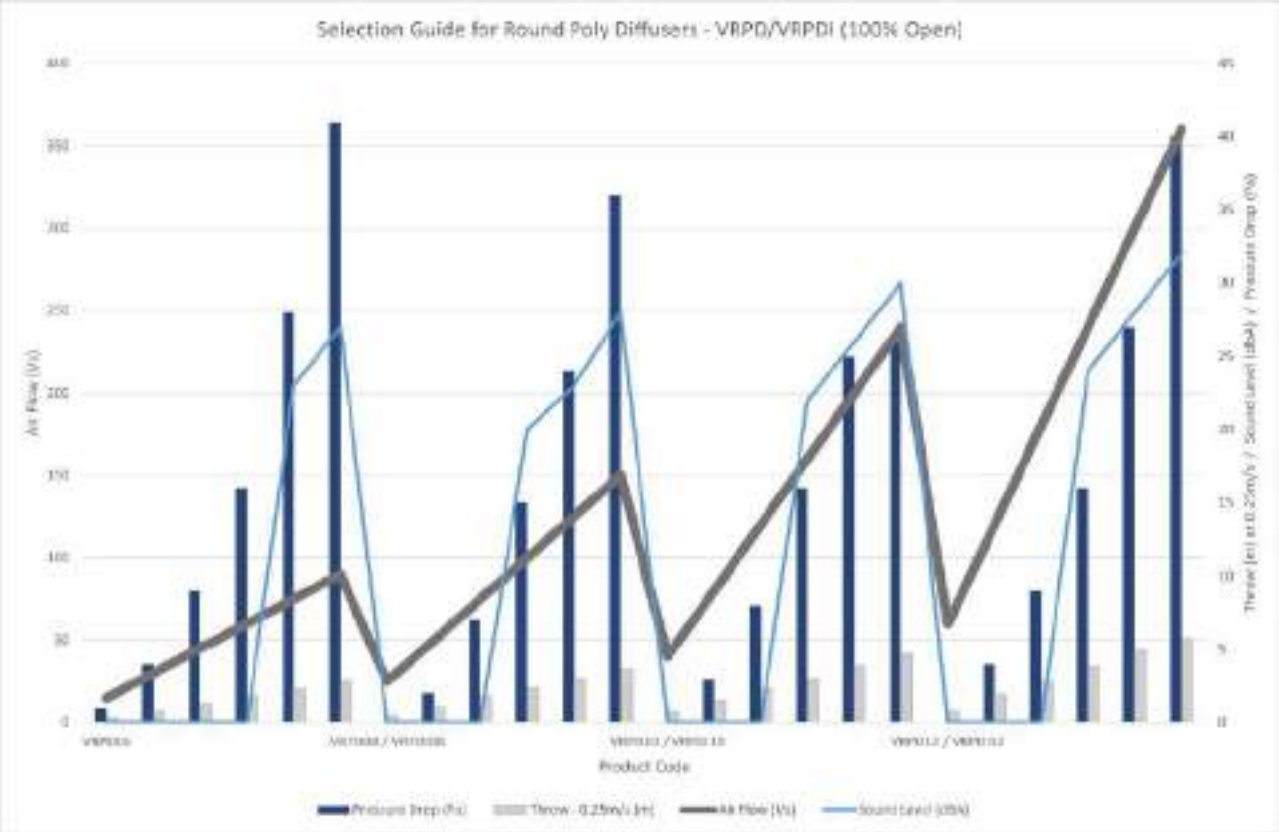
Performance Data

Data is based on Isothermal conditions with a ceiling height of 2.7m with the diffuser mounted flush in an unobstructed ceiling. Throws are given at a terminal velocity of 0.25m/s. Data is tabulated with the centre cone in two test positions 20% and 100% open respectively. Noise Ratings are based on a room absortion level of 10db.

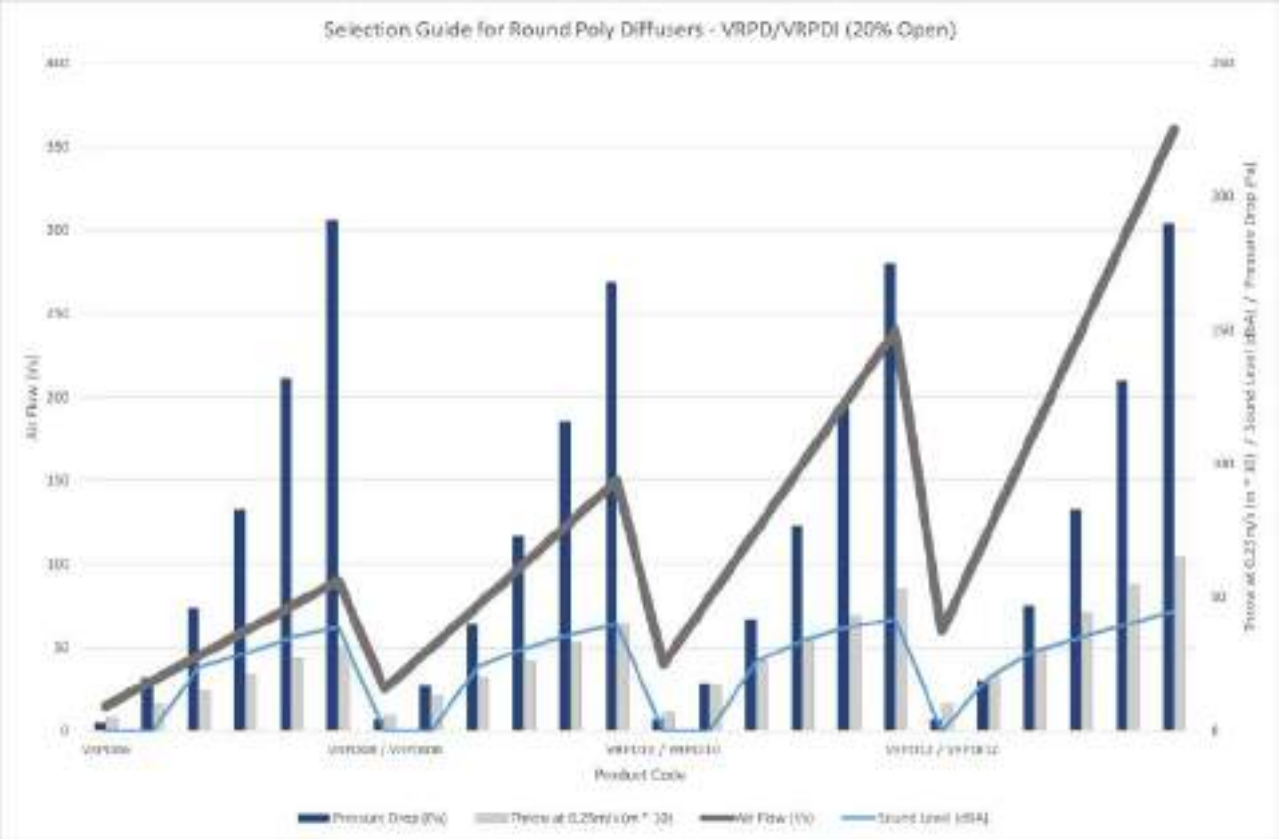
PRODUCT CODE	Performance Data	Units						
VRPD06 20% Open	Air Flow	l/s	14	28	44	59	74	89
	Sound Level	dB(A)	<20	<20	24	30	35	38
	Pressure Drop	Pa	4	22	47	84	132	190
	Throw - 0.25m/s	m	0.55	1.05	1.65	2.15	2.75	3.25
VRPD06 100% Open	Air Flow	l/s	14	28	44	59	74	89
	Sound Level	dB(A)	<20	<20	<20	<20	24	27
	Pressure Drop	Pa	1	4	9	17	28	41
	Throw - 0.25m/s	m	0.48	0.95	1.45	1.95	2.4	2.8
VRPD8 / VRPDI08 20% Open	Air Flow	l/s	24	48	74	98	124	148
	Sound Level	dB(A)	<20	<20	25	31	36	40
	Pressure Drop	Pa	4	18	41	74	116	168
	Throw - 0.25m/s	m	0.6	1.3	2	2.7	3.4	4.1
VRPD8 / VRPDI08 100% Open	Air Flow	l/s	24	48	74	98	124	148
	Sound Level	dB(A)	<20	<20	<20	20	24	28
	Pressure Drop	Pa	1	3	8	15	24	36
	Throw - 0.25m/s	m	0.5	1.2	1.8	2.4	3	3.7
VRPD10 / VRPDI10 20% Open	Air Flow	l/s	38	78	118	159	198	238
	Sound Level	dB(A)	<20	<20	27	34	39	42
	Pressure Drop	Pa	4	19	43	78	122	176
	Throw - 0.25m/s	m	0.8	1.7	2.6	3.5	4.4	5.3
VRPD10 / VRPDI10 100% Open	Air Flow	l/s	38	78	118	159	198	238
	Sound Level	dB(A)	<20	<20	<20	22	27	31
	Pressure Drop	Pa	1	3	9	16	26	27
	Throw - 0.25m/s	m	0.7	1.5	2.3	3.1	3.8	4.6
VRPD12 / VRPDI12 20% Open	Air Flow	l/s	58	118	178	238	298	358
	Sound Level	dB(A)	<20	21	30	36	41	45
	Pressure Drop	Pa	4	20	47	84	132	191
	Throw - 0.25m/s	m	1	2.1	3.2	4.4	5.5	6.6
VRPD12 / VRPDI12 100% Open	Air Flow	l/s	58	118	178	238	298	358
	Sound Level	dB(A)	<20	<20	<20	24	29	33
	Pressure Drop	Pa	1	4	9	17	28	41
	Throw - 0.25m/s	m	0.9	1.9	2.8	3.9	4.9	5.8

PERFORMANCE DATA

Round Diffusers: VRPD/VRPDI



These graphs are for selection only and should not be used for commissioning.

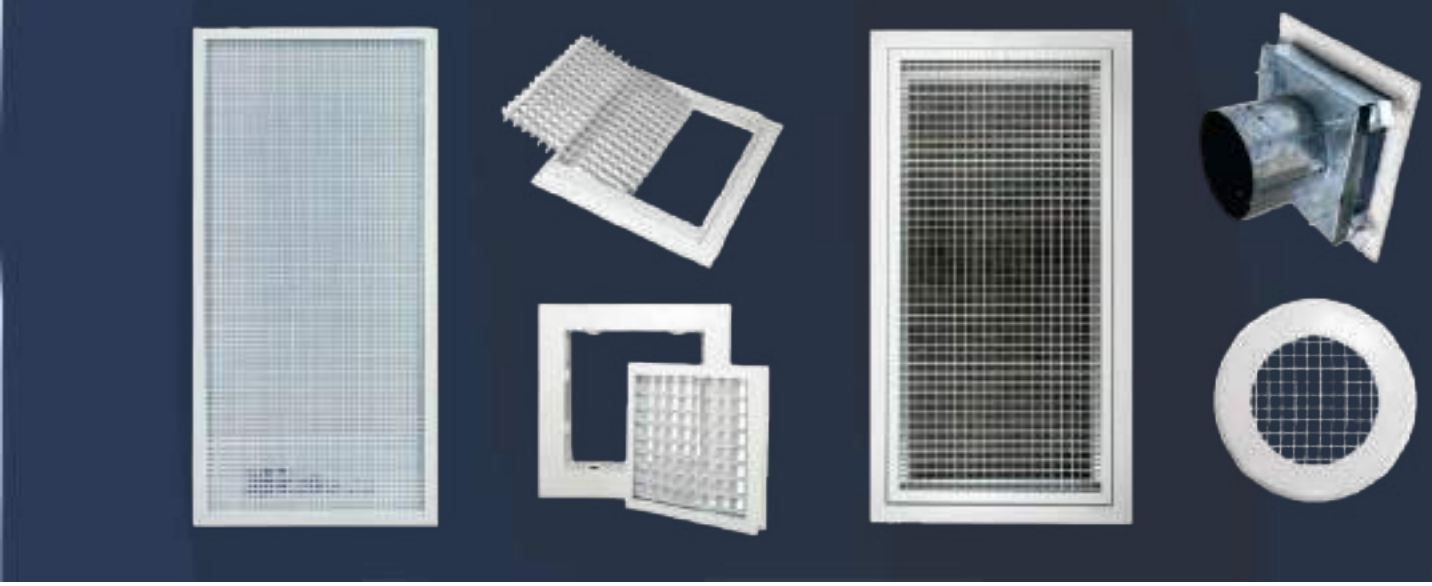


These graphs are for selection only and should not be used for commissioning.

TRADE STORE
ARROW SALES PTY LTD

AIR GRILLES Supplies

Eggcrate Grilles
Stocked Range



Description
Suitable for handling large air volumes, eggcrate grilles are ideal as intakes to air handling units, and for areas where high changeover rates are required. A 90% free area makes eggcrate grilles the most efficient grilles available for return air applications.

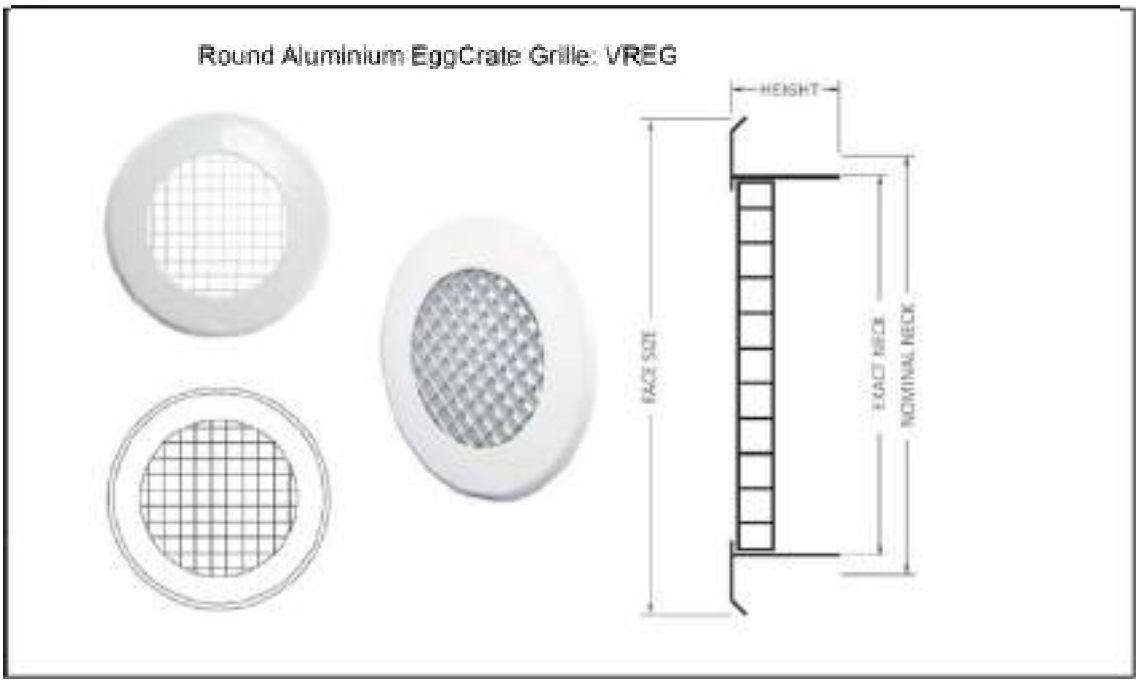
Construction
The frame is manufactured from extruded aluminium with hairline mitred joints mechanically held, while the core is held in by the unique frame design. The core is aluminium and can be offered as either fixed, loose, removable or hinged. Matching Opposed Blade Dampers are also available constructed from extruded aluminium.

PRODUCT CODE	DESCRIPTION
VREG	Round eggcrate grille
VEG	Fixed core eggcrate grille
VEGLC	Loose core eggcrate grille
VECGF	Hinged eggcrate grille with filter
VEGN	Fixed core eggcrate grille with fixing clip reducing neck
VEGCC	Eggcrate core

Note:
- Powder coated white as standard
- Custom sizes and colours are available upon request

STOCKED RANGE GRILLES

Round Aluminium Eggcrate Grille					
PRODUCT CODE	NOMINAL NECK (mm)	EXACT NECK (mm)	FACE SIZE (mm)	HEIGHT (mm)	PIECES/ CARTON
VREG6	150 Dia	140 Dia	200 Dia	40	20
VREG8	200 Dia	190 Dia	250 Dia	40	20
VREG10	250 Dia	240 Dia	305 Dia	45	20
VREG12	300 Dia	290 Dia	355 Dia	45	20



PERFORMANCE DATA
Round Eggcrate Grilles: VREG

PRODUCT CODE	Core Area	Core Velocity (m/s)	1.4	1.9	2.4	2.9	3.4	3.9	4.4	4.9	5.9
	(m^2)	Pressure Drop (Pa)	0.75	1.34	2.05	3	4.1	5.35	6.79	8.39	12
VREG6	0.014	Flow Rate (l/s)	19	26	33	40	46	53	60	67	80
		NC Level	<15	<15	<15	17	21	24	27	30	35
VREG8	0.025	Flow Rate (l/s)	37	49	62	75	87	100	112	125	150
		NC Level	<15	<15	<15	18	22	25	28	31	36
VREG10	0.041	Flow Rate (l/s)	60	80	100	121	141	161	181	202	242
		NC Level	<15	<15	15	18	23	25	29	32	37
VREG12	0.059	Flow Rate (l/s)	88	118	148	177	207	237	266	296	355
		NC Level	<15	<15	15	19	24	26	29	33	38

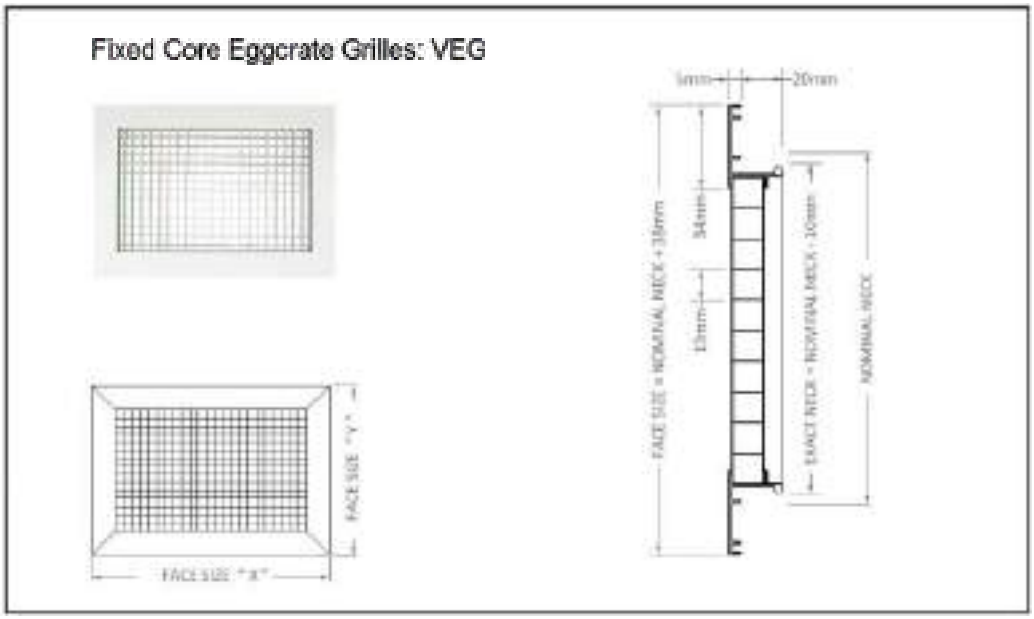
STOCKED RANGE GRILLES

Eggcrate Grilles

NOMINAL NECK (mm)	FIXED CORE			LOOSE CORE			REMOVABLE CORE		
	PRODUCT CODE	EXACT NECK (mm)	FACE SIZE X & Y (mm)	PRODUCT CODE	EXACT NECK (mm)	FACE SIZE X & Y (mm)	PRODUCT CODE	EXACT NECK (mm)	FACE SIZE X & Y (mm)
150 x 150	VEG66	140 x 140	188 x 188	VEGLC66	140 x 140	188 x 188	VRCEG66	140 x 140	180 x 180
200 x 200	VEG88	190 x 190	238 x 238	VEGLC88	190 x 190	238 x 238	VRCEG88	190 x 190	230 x 230
225 x 225	VEG99	215 x 215	263 x 263	VEGLC99	215 x 215	263 x 263			
250 x 250	VEG1010	240 x 240	288 x 288	VEGLC1010	240 x 240	288 x 288	VRCEG1010	240 x 240	280 x 280
300 x 300	VEG1212	290 x 290	338 x 338	VEGLC1212	290 x 290	338 x 338	VRCEG1212	290 x 290	330 x 330
600 x 300	VEG2412	590 x 290	638 x 338	VEGLC2412	590 x 290	638 x 338			
350 x 350	VEG1414	340 x 340	388 x 388	VEGLC1414	340 x 340	388 x 388	VRCEG1414	340 x 340	380 x 380
400 x 400	VEG1616	390 x 390	438 x 438	VEGLC1616	390 x 390	438 x 438	VRCEG1616	390 x 390	430 x 430
600 x 600	VEG2424	590 x 590	638 x 638	VEGLC2424	590 x 590	638 x 638			
							VRCEG1818	440 x 440	480 x 480
							VRCEG2020	490 x 490	530 x 530

Lay-in Eggcrate Grilles

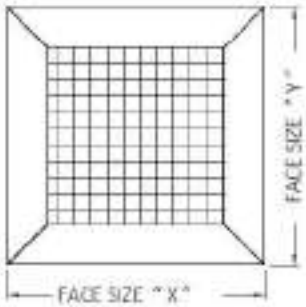
FACE SIZE X & Y (mm)	FIXED CORE			LOOSE CORE			REMOVABLE CORE		
	PRODUCT CODE	EXACT NECK (mm)	NOMINAL NECK (mm)	PRODUCT CODE	EXACT NECK (mm)	NOMINAL NECK (mm)	PRODUCT CODE	EXACT NECK (mm)	NOMINAL NECK (mm)
295 x 295	VEG295295F	247 x 247	257 x 257						
395 x 395	VEG395395F	347 x 347	357 x 357	VLCEG395F	347 x 347	357 x 357			
595 x 295	VEG595295F	547 x 247	557 x 257	VLCEG595295F	547 x 247	557 x 257	VRCEG595295F	555 x 255	565 x 265
595 x 395	VEG595395F	547 x 347	557 x 357	VLCEG595395F	547 x 347	557 x 357			
595 x 595	VEG595595F	547 x 547	557 x 557	VEGLC595F	547 x 547	557 x 557	VRCEG595F	555 x 555	565 x 565
605 x 605	VEG605605F	557 x 557	567 x 567	VLCEG605F	557 x 557	567 x 567			
1195 x 595	VEG1195595F	1147 x 547	1157 x 557	VLCEG1195595F	1147 x 547	1157 x 557	VRCEG1195595F	1155 x 555	1165 x 565
1210 x 605	VEG1210605F	1162 x 557	1172 x 567	VLCEG1210605F	1162 x 557	1172 x 567			



STOCKED RANGE GRILLES

Loose Core Eggcrate Grilles: VEGLC



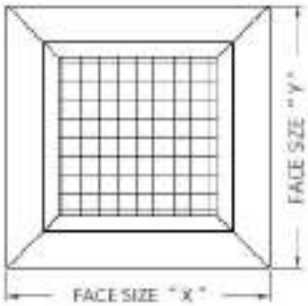




Removable Core Eggcrate Grilles: VRCEG





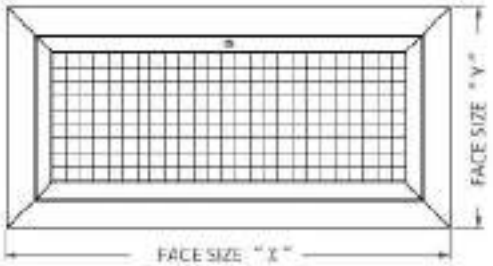


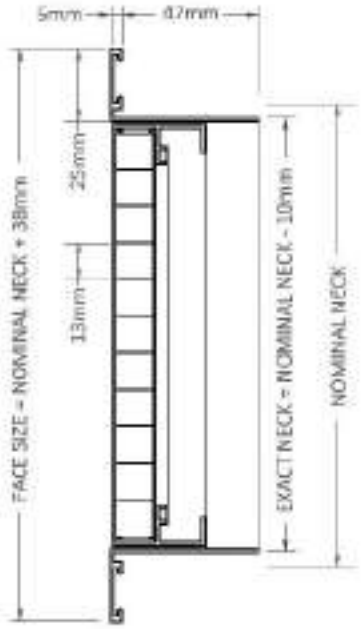


STOCKED RANGE GRILLES

Hinged EggCrate Grille with Filter: VECGF









Hinged Eggcrate with Electrostatic Filter

STOCKED RANGE GRILLES

Hinged Eggcrate with Filter			
PRODUCT CODE	NOMINAL NECK (mm)	EXACT NECK (mm)	FACE SIZE X & Y (mm)
VECGF88	200 x 200	190 x 190	238 x 238
VECGF1010	250 x 250	240 x 240	288 x 288
VECGF1212	300 x 300	290 x 290	338 x 338
VECGF1612	400 x 300	390 x 290	438 x 338
VECGF2412	600 x 300	590 x 290	638 x 338
VECGF1414	350 x 350	340 x 340	388 x 388
VECGF1614	400 x 350	390 x 340	438 x 388
VECGF1616	400 x 400	390 x 390	438 x 438
VECGF2016	500 x 400	490 x 390	538 x 438
VECGF2416	600 x 400	590 x 390	638 x 438
VECGF2816	700 x 400	690 x 390	738 x 438
VECGF3016	750 x 400	740 x 390	788 x 438
VECGF3616	900 x 400	890 x 390	938 x 438
VECGF4016	1000 x 400	990 x 390	1038 x 438
VECGF4816	1200 x 400	1190 x 390	1238 x 438
VECGF1818	450 x 450	440 x 440	488 x 488
VECGF2418	600 x 450	590 x 440	638 x 488
VECGF3018	750 x 450	740 x 440	788 x 488
VECGF3618	900 x 450	890 x 440	938 x 488

Hinged Eggcrate with Filter			
PRODUCT CODE	NOMINAL NECK (mm)	EXACT NECK (mm)	FACE SIZE X & Y (mm)
VECGF2020	500 x 500	490 x 490	538 x 538
VECGF2420	600 x 500	590 x 490	638 x 538
VECGF2820	700 x 500	690 x 490	738 x 538
VECGF3020	750 x 500	740 x 490	788 x 538
VECGF3220	800 x 500	790 x 490	838 x 538
VECGF3620	900 x 500	890 x 490	938 x 538
VECGF4020	1000 x 500	990 x 490	1038 x 538
VECGF2422	600 x 550	590 x 540	638 x 588
VECGF2622	650 x 550	640 x 540	688 x 588
VECGF2822	700 x 550	690 x 540	738 x 588
VECGF3022	750 x 550	740 x 540	788 x 588
VECGF3622	900 x 550	890 x 540	938 x 588
VECGF2424	600 x 600	590 x 590	638 x 638
VECGF3024	750 x 600	740 x 590	788 x 638
VECGF3224	800 x 600	790 x 590	838 x 638
VECGF3424	850 x 600	840 x 590	888 x 638
VECGF3624	900 x 600	890 x 590	938 x 638
VECGF4824	1200 x 600	1190 x 590	1238 x 638
VECGF3226	800 x 650	790 x 640	838 x 688

Lay-in Hinged Eggcrate with Filter			
PRODUCT CODE	NOMINAL NECK (mm)	EXACT NECK (mm)	FACE SIZE X & Y (mm)
VECGF595295F	557 x 257	547 x 247	595 x 295
VECGF595F	557 x 557	547 x 547	595 x 595
VECGF605F	567 x 567	557 x 557	605 x 605

Lay-in Hinged Eggcrate with Filter			
PRODUCT CODE	NOMINAL NECK (mm)	EXACT NECK (mm)	FACE SIZE X & Y (mm)
VECGF1195595F	1157 x 557	1147 x 547	1195 x 595
VECGF1210605F	1172 x 567	1162 x 557	1210 x 605

Hinged Eggcrate with Electrostatic Filter			
PRODUCT CODE	NOMINAL NECK (mm)	EXACT NECK (mm)	FACE SIZE X & Y (mm)
VECGF2016E	500 x 400	490 x 390	538 x 438
VECGF2416E	600 x 400	590 x 390	638 x 438
VECGF3016E	750 x 400	740 x 390	788 x 438

Hinged Eggcrate with Electrostatic Filter			
PRODUCT CODE	NOMINAL NECK (mm)	EXACT NECK (mm)	FACE SIZE X & Y (mm)
VECGF3616E	900 x 400	890 x 390	938 x 438
VECGF3620E	900 x 500	890 x 490	938 x 538
VECGF4016E	1000 x 400	990 x 390	1038 x 438
VECGF4816E	1200 x 400	1190 x 390	1238 x 438







STOCKED RANGE GRILLES

Eggcrate Grille with Reducing Neck and Fixing Clip						
NOMINAL NECK/ CEILING OPENING (mm)	FIXED CORE			REMOVABLE CORE		
	PRODUCT CODE	FACE SIZE (mm)	SPIGOT (mm)	PRODUCT CODE	FACE SIZE (mm)	SPIGOT (mm)
150 x 150	VEGN664	188 x 188	100 Dia			
150 x 150	VEGN665	188 x 188	125 Dia			
150 x 150	VEGN666	188 x 188	150 Dia	VRCEGN666	180 x 180	150 Dia
150 x 150	VEGN666D	188 x 188	150 Dia			
200 x 200	VEGN886	238 x 238	150 Dia	VRCEGN886	230 x 230	150 Dia
200 x 200	VEGN886D	238 x 238	150 Dia			
200 x 200	VEGN888	238 x 238	200 Dia	VRCEGN888	230 x 230	200 Dia
200 x 200	VEGN888D	238 x 238	200 Dia			
250 x 250	VEGN10108	288 x 288	200 Dia			
250 x 250	VEGN101010	288 x 288	250 Dia			
300 x 300	VEGN12128	338 x 338	200 Dia			
300 x 300	VEGN121210	338 x 338	250 Dia			
300 x 300	VEGN121212	338 x 338	300 Dia			


VEGN


VEGN


VRCEGN

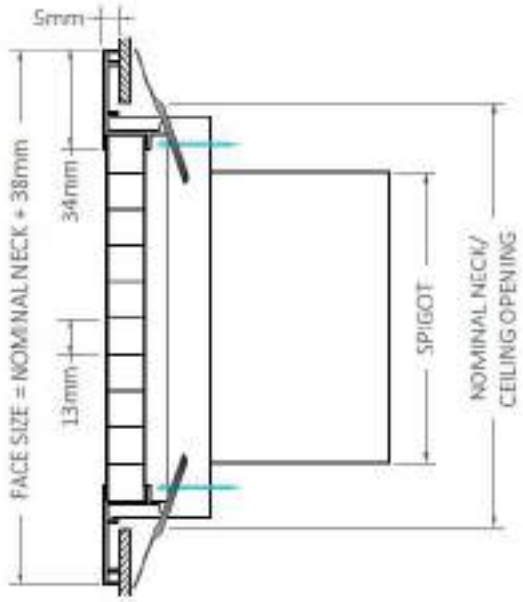

VRCEGN

STOCKED RANGE GRILLES

Fixed Core Eggcrate Grille with
Neck Adapter and Fixing Clip: VEGN

Note:

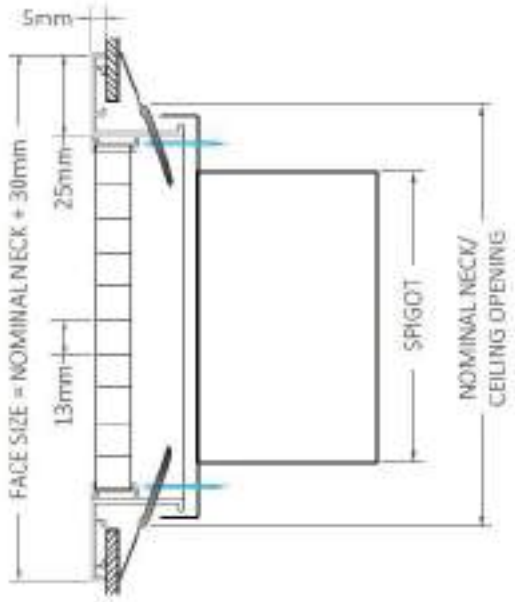
- Custom sizes are available upon request
- Powder coated white as standard
- Reducing necks sprayed black as standard



Fixed Core Eggcrate Grille with
Neck Adapter and Fixing Clip: VCREGN

Note:

- Custom sizes are available upon request
- Powder coated white as standard
- Reducing necks sprayed black as standard

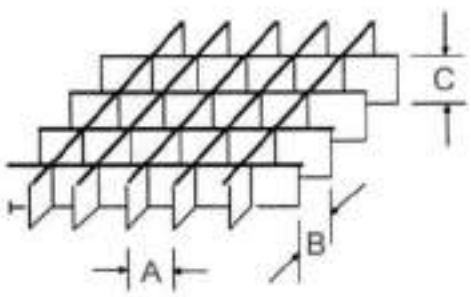


Eggcrate Core VEGCC		
PRODUCT CODE	**EXACT SIZE (mm)**	**FINISH**
VEGCC1195595	1195 x 595	WHITE

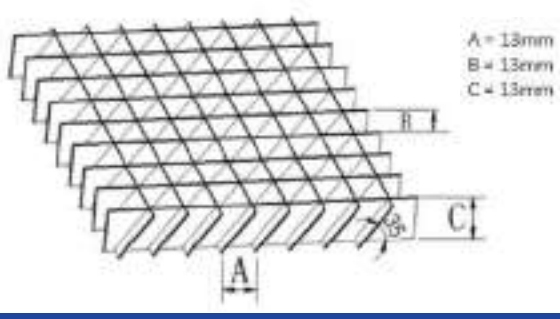
Non - Vision Eggcrate Core Only 35 Deg.		
PRODUCT CODE	**EXACT SIZE (mm)**	**FINISH**
VNVEGCC351220M (35 Deg)	1220 x 1220	MILL
VNVEGCC351220W (35 Deg)	1220 x 1220	WHITE







A = 13mm
B = 13mm
C = 13mm



Eggcrate Grilles: VEG/VEGN/VEGLC/VECGF

Nominal Neck (mm)		Equivalent Sizes	Core Area	Face Velocity (m/s)	1.5	2	2.5	3	3.5	4	5	6
Width	Height	(mm)	(m2)	Static Pressure (Pa)	2	4	6	9	12	15	24	35
150	150	225x100	0.020	Flow Rate (L/s)	28	39	50	59	70	79	100	120
				Sound Level dB(A)	<20	<20	23	26	29	32	37	42
200	150	"250x125 300x100 "	0.027	Flow Rate (L/s)	40	53	66	79	93	106	134	160
				Sound Level dB(A)	<20	20	24	27	31	33	39	43
250	150	"300x125 400x100 "	0.034	Flow Rate (L/s)	50	66	82	100	116	133	168	201
				Sound Level dB(A)	<20	19	24	29	31	34	39	44
200	200	350x125	0.036	Flow Rate (L/s)	53	71	88	106	124	142	179	214
				Sound Level dB(A)	<20	21	25	28	32	35	41	44
300	150	450x100	0.041	Flow Rate (L/s)	60	79	99	120	141	161	202	241
				Sound Level dB(A)	<20	20	25	29	33	36	41	44
300	200	"400x150 600x100 "	0.054	Flow Rate (L/s)	80	106	133	161	188	215	269	322
				Sound Level dB(A)	<20	21	27	31	35	37	42	45
250	250	"350x175 650x100 "	0.056	Flow Rate (L/s)	83	111	139	167	196	224	279	336
				Sound Level dB(A)	<20	23	27	30	35	38	42	46
450	150	"350x200 750x100 700x100 "	0.061	Flow Rate (L/s)	89	121	150	181	211	242	302	364
				Sound Level dB(A)	<20	22	27	31	34	37	43	46
300	250	"400x200 500x200 600x125 "	0.068	Flow Rate (L/s)	100	134	167	202	234	269	336	403
				Sound Level dB(A)	<20	23	27	32	35	37	43	47
300	300	"350x250 600x150 450x200 950x100 "	0.081	Flow Rate (L/s)	121	160	201	242	283	322	403	484
				Sound Level dB(A)	<20	23	29	33	36	38	43	48
350	350	"400x300 600x200 500x250 850x150 "	0.110	Flow Rate (L/s)	164	220	275	330	385	439	549	661
				Sound Level dB(A)	19	25	29	34	37	41	44	49
450	300	"400x350 700x200 550x250 950x150 "	0.122	Flow Rate (L/s)	180	241	303	363	424	485	607	728
				Sound Level dB(A)	20	26	31	35	38	40	45	49
600	250	"500x300 750x200 "	0.135	Flow Rate (L/s)	202	269	336	404	471	538	673	808
				Sound Level dB(A)	20	26	31	35	39	41	45	49
400	400	"400x350 750x200 550x300 "	0.144	Flow Rate (L/s)	214	286	359	431	503	574	718	862
				Sound Level dB(A)	20	26	30	35	39	41	46	49
600	300	"450x400 750x250 500x350 900x200 "	0.162	Flow Rate (L/s)	241	322	404	484	565	646	808	970
				Sound Level dB(A)	20	27	32	36	38	41	47	50
450	450	"500x400 700x300 600x350 800x250 "	0.182	Flow Rate (L/s)	272	363	455	546	636	728	909	1093
				Sound Level dB(A)	20	27	32	36	39	43	47	52
750	300	"500x450 650x350 550x400 900x250 "	0.203	Flow Rate (L/s)	303	403	505	607	707	808	1012	1213
				Sound Level dB(A)	21	27	32	37	39	43	48	52
500	500	"600x450 750x350 650x400 900x300 "	0.225	Flow Rate (L/s)	336	449	562	674	787	899	1124	1348
				Sound Level dB(A)	21	28	32	36	40	44	47	51
550	550	"600x500 750x400 650x450 900x350 "	0.272	Flow Rate (L/s)	407	543	680	815	952	1087	1360	1633
				Sound Level dB(A)	22	28	33	38	41	44	49	53
750	450	"600x550 1000x350 850x400"	0.304	Flow Rate (L/s)	454	607	757	909	1061	1214	1518	1821
				Sound Level dB(A)	23	30	35	39	41	45	49	53
600	600	"650x550 800x450 700x500 900x400 "	0.324	Flow Rate (L/s)	484	646	808	971	1133	1294	1618	1943
				Sound Level dB(A)	24	29	34	39	41	44	50	54
900	450	"800x500 1150x350 1000x400 "	0.365	Flow Rate (L/s)	545	728	910	1092	1275	1457	1821	2185
				Sound Level dB(A)	24	30	35	39	43	46	51	55
650	650	"700x600 1200x350 "	0.380	Flow Rate (L/s)	568	759	950	1139	1330	1520	1900	2280
				Sound Level dB(A)	25	30	36	40	42	45	50	55
750	600	"700x650 900x500 800x550 1000x450"	0.405	Flow Rate (L/s)	607	809	1011	1214	1416	1618	2024	2428
				Sound Level dB(A)	25	30	36	40	43	45	50	55
700	700	"750x650 1000x500 850x550 "	0.441	Flow Rate (L/s)	661	880	1101	1321	1542	1763	2204	2644
				Sound Level dB(A)	25	31	36	40	43	47	50	54
900	600	"750x700 1100x500 1000x550 "	0.486	Flow Rate (L/s)	727	971	1213	1456	1699	1942	2428	2914
				Sound Level dB(A)	25	31	36	40	44	47	51	55
750	750	"850x650 1200x500 950x600 "	0.506	Flow Rate (L/s)	757	1012	1264	1517	1771	2023	2530	3036
				Sound Level dB(A)	26	32	37	40	44	46	51	55
800	800	"900x700 1200x600 1000x650 "	0.576	Flow Rate (L/s)	863	1151	1438	1727	2014	2302	2878	3454
				Sound Level dB(A)	25	32	37	40	45	47	52	57
900	900	"950x850 1200x650 1000x750 "	0.729	Flow Rate (L/s)	1093	1457	1822	2185	2550	2914	3644	4372
				Sound Level dB(A)	27	34	39	41	46	49	54	58

TRADE STORE
ARROW SALES PTY LTD

AIR GRILLES Supplies

Removable Core Bar Grilles
Stocked Range



Description
For supply air applications, having a single set of fixed blades. Quick release removable core provides easy access to rear and concealed fixing facility.

Construction
From high quality aluminium extrusion. Blades are standard 2.5mm thick with 12.5mm pitch.

PRODUCT CODE	DESCRIPTION
VRCBG	Removable core bar grille with zero degree deflection

Note:
- Powder coated white as standard
- Suitable for wall mounting

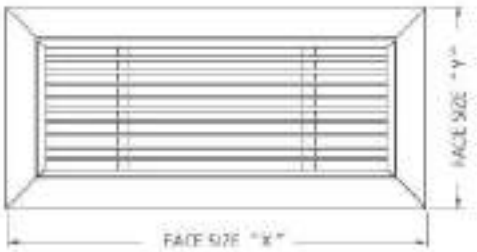
AIR GRILLES Supplies

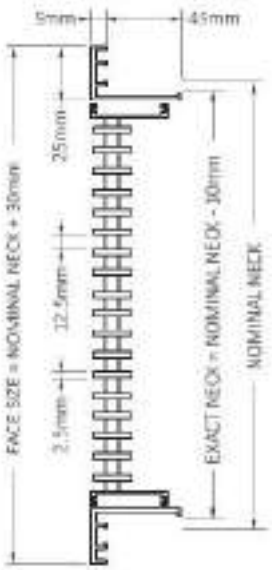
STOCKED RANGE GRILLES

Removable Core Bar Grilles				
PRODUCT CODE	**NOMINAL NECK (mm)**	**EXACT NECK (mm)**	**FACE SIZE X & Y (mm)**	**PIECES/ CARTON**
VRCBG124	300 x 100	290 x 90	330 x 130	10
VRCBG144	350 x 100	340 x 90	380 x 130	10
VRCBG146	350 x 150	340 x 140	380 x 180	10
VRCBG164	400 x 100	390 x 90	430 x 130	5
VRCBG166	400 x 150	390 x 140	430 x 180	5
VRCBG204	500 x 100	490 x 90	530 x 130	10
VRCBG244	600 x 100	590 x 90	630 x 130	10
VRCBG246	600 x 150	590 x 140	630 x 180	10
VRCBG324	800 x 100	790 x 90	830 x 130	10
VRCBG364	900 x 100	890 x 90	930 x 130	5
VRCBG366	900 x 150	890 x 140	930 x 180	5
VRCBG404	1000 x 100	990 x 90	1030 x 130	5
VRCBG406	1000 x 150	990 x 140	1030 x 180	5
VRCBG484	1200 x 100	1190 x 90	1230 x 130	5
VRCBG486	1200 x 150	1190 x 140	1230 x 180	5
VRCBG604	1500 x 100	1490 x 90	1530 x 130	5
VRCBG606	1500 x 150	1490 x 140	1530 x 180	5

Removable Core Bar Grilles: VRCBG







PERFORMANCE DATA

Removable Core Bar Grilles: VRCBG (STOCKED)

Test Conditions

Throws are based at Isothermal conditions to a terminal velocity of 0.5m/s and 0.25m/s respectively for a 1 metre active length with ceiling height of 2.7m. The diffuser is mounted flush in a side wall no further than 400mm down from the ceiling. Throw values are for throws in one direction only.
Noise ratings are based on a room absorption level of 10db.

PRODUCT CODE	Face Velocity m/s								
		1	2	3	4	5	6	7	8
VRCBG60090 VRCBG60090NTF (No Top Flange)	Airflow l/s	35	73	109	145	183	220	257	294
	Throw	1.5	2.7	3.7	5	6	7	7.6	8.4
	Pa	1	4	8	18	28	40	55	73
	NC	<15	<15	<15	17	22	30	34	38
VRCBG164	Airflow l/s	27	55	83	110	138	166	196	223
	Throw	1.2	2.1	3.1	4.1	5.3	6.4	7	7.7
	Pa	1	3	8	15	25	37	50	65
	NC	<15	<15	<15	18	24	32	36	40
VRCBG244	Airflow l/s	41	83	126	168	211	253	295	338
	Throw	1.2	2.3	3.5	4.7	6	6.6	8	8.6
	Pa	1	2	9	17	26	38	52	69
	NC	<15	<15	<15	17	23	30	36	39
VRCBG324	Airflow l/s	56	113	169	226	283	340	397	453
	Throw	1.3	2.5	3.6	4.9	6.3	7.5	8.3	9.2
	Pa	1	3	9	16	26	37	51	68
	NC	<15	<15	<15	15	20	26	32	33
VRCBG50012015D 500x120 15deg Deflection	Airflow l/s	42	85	128	170	214	257	301	344
	Throw	1.8	2.9	4	5	6	7.1	8	8.6
	Pa	1	2	8	16	25	37	53	69
	NC	<15	<15	<15	17	23	30	35	39
VRCBG246	Airflow l/s	68	139	210	279	350	420	489	561
	Throw	1.9	3.1	4.2	5.5	6.7	8	8.7	9.5
	Pa	1	2	8	15	26	38	51	67
	NC	<15	<15	<15	15	20	26	31	35
VRCBG146	Airflow l/s	39	80	120	161	201	242	281	322
	Throw	1.6	2.7	3.7	5	6	7	7.8	8.5
	Pa	1	3	8	16	26	38	52	67
	NC	<15	<15	<15	17	22	30	35	38
VRCBG166	Airflow l/s	44	91	138	184	231	277	324	370
	Throw	1.8	2.9	3.9	5	6	7.2	8	8.5
	Pa	1	2	5	8	13	21	29	37
	NC	<15	<15	<15	15	22	28	34	38

TRADE STORE
ARROW SALES PTY LTD

AIR GRILLES Supplies

Weatherproof Louvres
Stocked Range



Description
Suitable for both intake and return air applications. The Louvre blades offer a double weather stop design making it a unique and efficient solution in providing weather protection. Wide blade spacings enable improved airflow with reduced pressure drops and noise levels. The WPL stocked range offers a blade spacing of 48mm while the RWPL stocked range offers a blade spacing of 46mm. Free area ranges between 40% and 76%.

Construction
From high quality extruded aluminium sections. Hairline mitres are mechanically held for maximum strength and durability. WPL's are finished in natural anodised aluminium as standard while RWPL's are powder coated white as standard. Optional powder coated colours and finishes available on request.

PRODUCT CODE	DESCRIPTION
VOAL	Stocked Weatherproof Louvre complete with 48mm blade spacing and 32mm flange
VOARWPL	Stocked Round Weatherproof Louvre complete with 46mm blade spacing and 36mm flange
VOAL95B / VOAL97B	Stocked Snap on Box to suit Weatherproof Louvres and Half Chevron

Note VOAL:
- Natural anodised as standard
- Custom sizes and colours are available upon request
- Product code suffix SB indicates Snap Box included

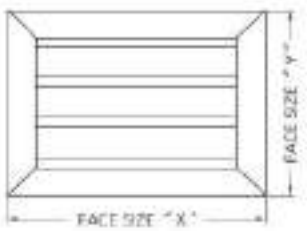
Note VOARWPL:
- Powder coated white as standard
- Custom sizes and colours are available upon request
- VOARWPL comes complete with wire mesh

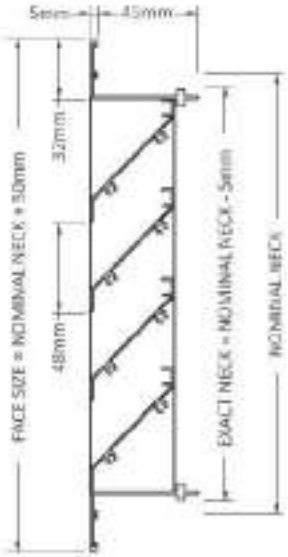
STOCKED RANGE LOUVRES

Weatherproof Louvre				
PRODUCT CODE	NOMINAL NECK (mm)	EXACT NECK (mm)	FACE SIZE X & Y (mm)	PIECES/ CARTON
VOAL66	150 x 150	145 x 145	200 x 200	10
VOAL88	200 x 200	195 x 195	250 x 250	10
VOAL95	230 x 115	225 x 110	280 x 165	10
VOAL95B	225 x 125			10
VOAL95SB	230 x 115	225 x 110	280 x 165	10
VOAL97	230 x 165	225 x 157	280 x 215	10
VOAL97B	225 x 175			10
VOAL97SB	230 x 165	225 x 157	280 x 215	5
VOAL168	400 x 200	395 x 195	450 x 250	10
VOAL1010	250 x 250	245 x 245	300 x 300	10
VOAL1010SB	250 x 250	245 x 245	300 x 300	5
VOAL1212	300 x 300	295 x 295	350 x 350	5
VOAL1414	350 x 350	345 x 345	400 x 400	5
VOAL1614	400 x 350	395 x 345	450 x 400	5
VOAL1616	400 x 400	395 x 395	450 x 450	5
VOAL1810	450 x 250	445 x 245	500 x 300	5
VOAL1818	450 x 450	445 x 445	500 x 500	5
VOAL2020	500 x 500	495 x 495	550 x 550	5
VOAL2412	600 x 300	595 x 295	650 x 350	5
VOAL2424	600 x 600	595 x 595	650 x 650	5

Weatherproof Louvre: VOAL





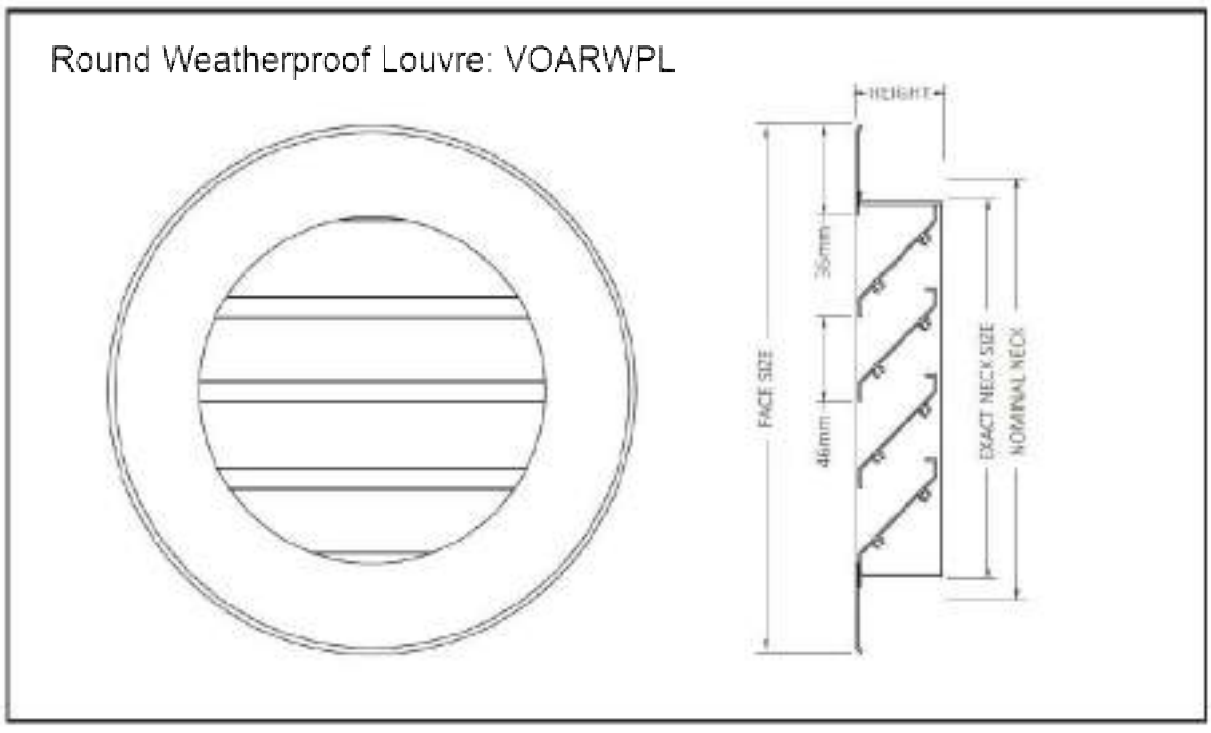


STOCKED RANGE LOUVRES

Round Weatherproof Louvres					
PRODUCT CODE	NOMINAL NECK (mm)	EXACT NECK (mm)	FACE SIZE X & Y (mm)	HEIGHT (mm)	PIECES/ CARTON
VOARWPL4	100 Dia	90 Dia	150 Dia	40	20
VOARWPL5	125 Dia	115 Dia	175 Dia	40	20
VOARWPL6	150 Dia	140 Dia	200 Dia	40	20
VOARWPL8	200 Dia	190 Dia	250 Dia	40	20
VOARWPL10	250 Dia	240 Dia	305 Dia	45	20
VOARWPL12	300 Dia	290 Dia	355 Dia	45	20
VOARWPL14	350 Dia	340 Dia	405 Dia	45	10
VOARWPL16	400 Dia	390 Dia	455 Dia	45	10







STOCKED RANGE LOUVRES

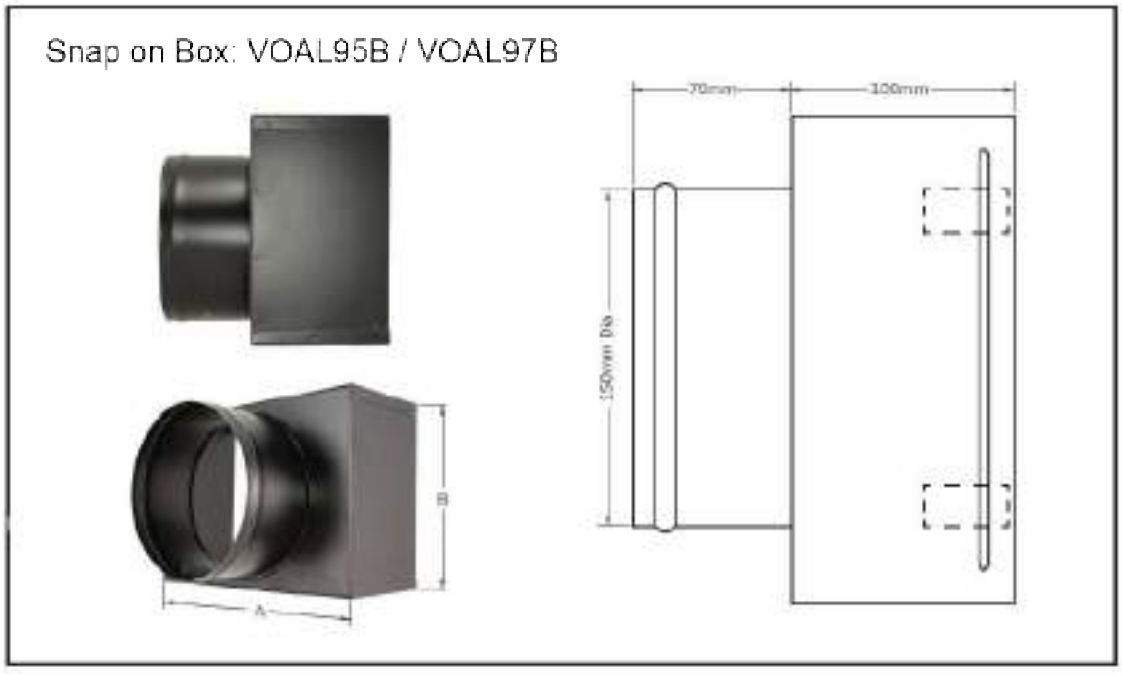
Snap on Box to suit Weatherproof Louvres and Half Chevron						
PRODUCT CODE	SIZE (mm)		SIZE (“)		SPIGOT (mm)	SUIT THESE GRILLES
	A	B	A	B		
VOAL95B	225	125	9	5	150 Dia	VOAL95
VOAL97B	225	175	9	7	150 Dia	VOAL97

Note: The VOAL95B and VOAL97B simply snap into box with no drilling required



Quick, Easy and Convenient

A compatible weatherproof louvre or half chevron grille easily locks in place with a push. Installation is made easier by eliminating the need for screws. This makes it ideal for challenging installation environments.



PERFORMANCE DATA

Weatherproof Louvres: VOAL (STOCKED)

Test Conditions

NC levels and pressure drops are given for louvres mounted in a wall at least 1200 mm up from the floor level. Results were obtained at Isothermal conditions. For other performance or selection details please contact the supplier. Free arear range between 40% and 76%.

Product Code	Nom. Neck (mm)	Free Area (m^2)	Face Velocity (m/s)	1.00	1.40	1.90	2.40	2.90	3.40	3.90	4.40
			Pressure Drop (Pa)	1	3	7	11	17	23	31	38
VOAL66	150x150	0.009	Flow Rate (l/s)	8	11	17	20	25	30	33	39
			NC Level	<15	<15	<15	15	17	19	25	28
VOAL95	225x125	0.010	Flow Rate (l/s)	9	14	18	24	28	33	38	43
			NC Level	<15	<15	15	15	17	20	25	28
VOAL97	225x175	0.017	Flow Rate (l/s)	15	23	32	40	50	57	65	74
			NC Level	<15	<15	<15	15	17	20	25	29
VOAL88	200x200	0.018	Flow Rate (l/s)	17	25	34	44	53	61	71	80
			NC Level	<15	<15	<15	15	19	21	26	30
VOAL1010	250x250	0.031	Flow Rate (l/s)	30	46	61	76	92	108	122	139
			NC Level	<15	<15	<15	15	19	23	26	29
VOAL168	400x200	0.037	Flow Rate (l/s)	35	55	72	92	109	128	146	166
			NC Level	<15	<15	15	17	20	23	27	31
VOAL1212	300x300	0.046	Flow Rate (l/s)	44	67	91	115	137	160	183	206
			NC Level	<15	<15	15	17	22	26	30	32
VOAL1414	350x350	0.065	Flow Rate (l/s)	64	95	127	161	192	225	257	290
			NC Level	<15	<15	15	20	25	29	33	36
VOAL1616	400x400	0.087	Flow Rate (l/s)	85	128	172	215	259	301	345	388
			NC Level	<15	<15	17	24	29	31	36	39
VOAL2412	600x300	0.094	Flow Rate (l/s)	92	140	186	234	281	327	375	421
			NC Level	<15	15	18	24	30	31	36	39
VOAL1818	450x450	0.112	Flow Rate (l/s)	110	166	223	279	336	391	447	503
			NC Level	<15	15	19	25	29	33	38	39
VOAL2020	500x500	0.142	Flow Rate (l/s)	140	211	281	352	424	494	566	636
			NC Level	<15	15	21	24	29	33	39	40
VOAL2424	600x600	0.219	Flow Rate (l/s)	217	327	437	546	656	766	876	986
			NC Level	<15	17	23	26	31	34	39	42

PERFORMANCE DATA

Round Weatherproof Louvres: VOARWPL (STOCKED)

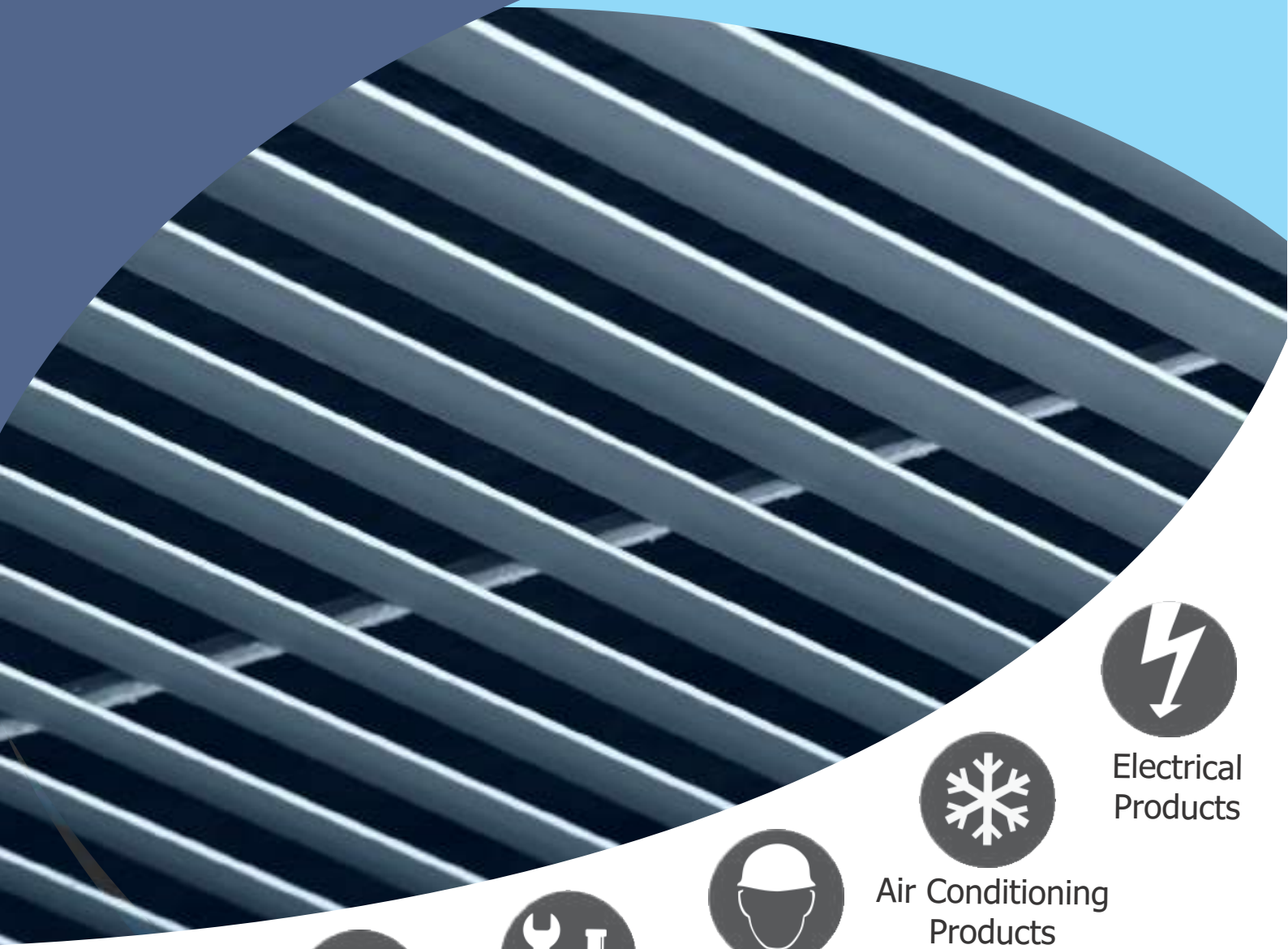
Product Code	Nom. Neck (mm)	Free Area (m^2)	Face Velocity (m/s)	1.00	1.40	1.90	2.40	2.90	3.40	3.90	4.40
			Pressure Drop (Pa)	1	3	6	11	17	22	30	39
VOARWPL6	150	0.007	Flow Rate (l/s)	5	9	12	15	19	23	27	29
			NC Level	<15	<15	<15	15	16	18	19	24
VOARWPL8	200	0.013	Flow Rate (l/s)	11	18	25	31	38	45	51	59
			NC Level	<15	<15	15	16	18	21	26	30
VOARWPL10	250	0.022	Flow Rate (l/s)	20	31	42	54	66	76	87	99
			NC Level	<15	<15	15	15	19	22	27	29
VOARWPL12	300	0.034	Flow Rate (l/s)	32	50	66	80	100	117	134	150
			NC Level	<15	<15	15	16	20	23	26	30
VOARWPL14	350	0.049	Flow Rate (l/s)	48	73	97	121	145	170	195	220
			NC Level	<15	<15	15	18	21	23	27	30
VOARWPL16	400	0.067	Flow Rate (l/s)	65	99	133	166	199	232	266	299
			NC Level	<15	<15	15	20	22	25	30	34

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