

VENTILATION CATALOG

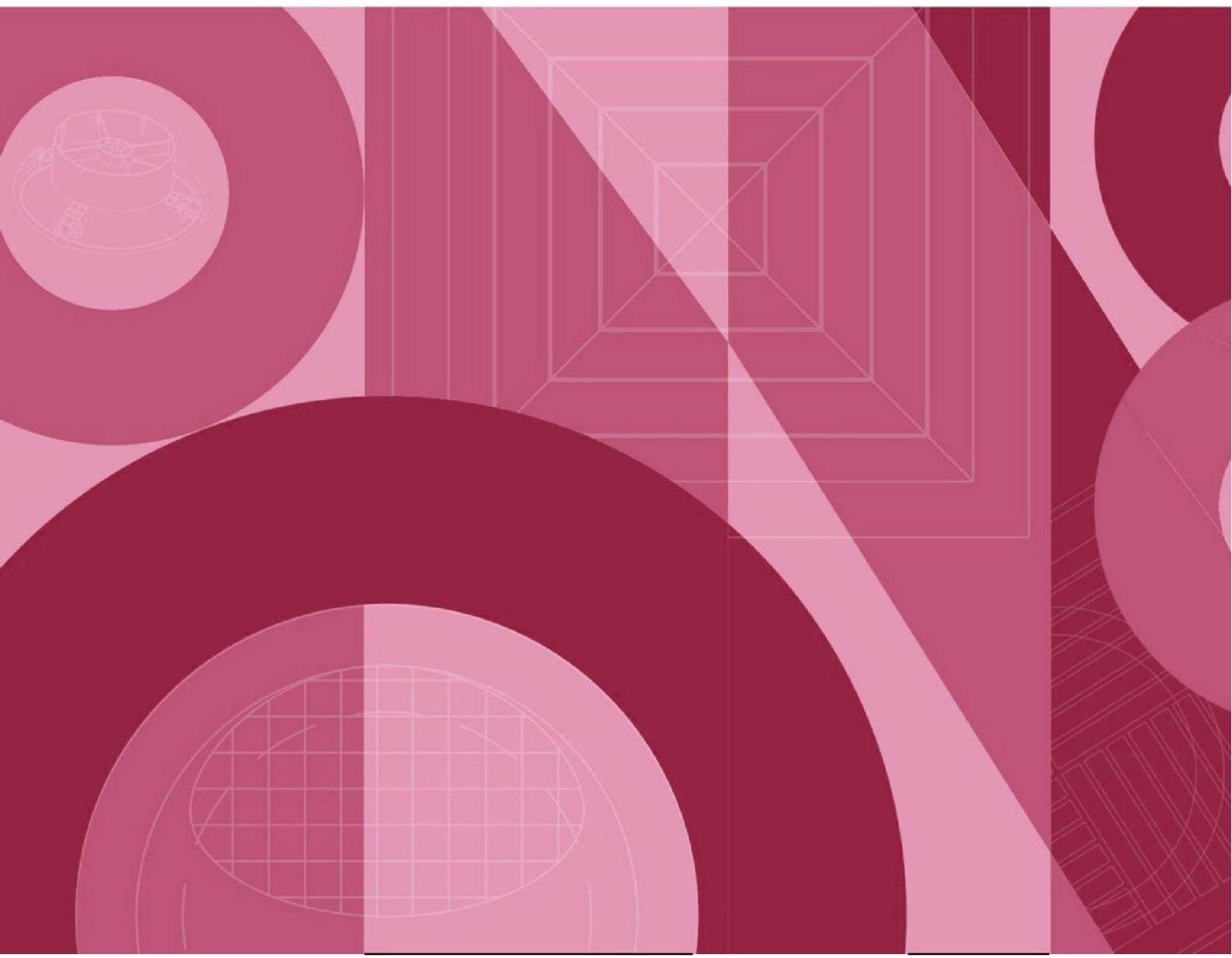


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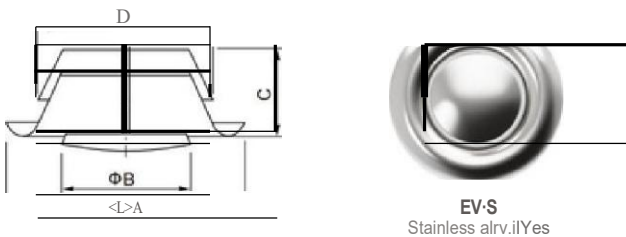
96

10 DAMPERS

| VALVES

1

Metal Air Valves
Plastic Air Valves



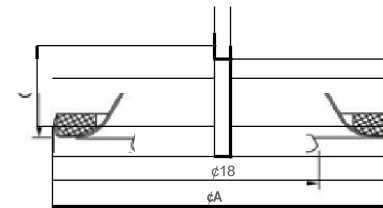
Features

- Suitable for offices, houses, etc, easy installation on the wall or in the ceiling.
- Manufactured from sheet steel painted white
- Available also in Stainless steel version EV-S.
- The valve body is equipped with a cellular plastic gasket for an air-tight seal.
- The air flow is adjusted by rotating the control disc.
- Supplied with mounting ring.
- Semi gloss finish 70°.
- specular finish 90°
- Packing: handboxed in white or brown colour.

EV	A	B	C	D	\$
80	116	59.5	39.8	77.0	7
100	139	75	38	96.6	7
125	165	98	44.5	1122.3	7
150	200	118.5	51	1148.5	7
160	201.5	121	51.5	1157.5	7
210	248	157	55.5	1117.5	7
250	298	208	63	2.48	7

NEV

Metal Air valves



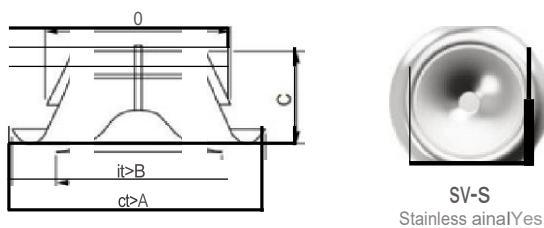
Features

- Suitable for offices, houses, etc, easy installation on the wall or in the ceiling.
- Manufactured from sheet steel painted white.
- The valve body is equipped with a cellular plastic gasket.
- The air flow is adjusted by rotating the control disc.
- Supplied with mounting ring.

NEV	A	B	C	\$
80	114	62	37	7
100	134	71	40	7
125	165	101	46	7
160	198	121	54	7
200	247	151	64	7

SV supply Airvalves

Metal Air Valves



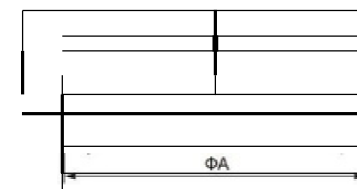
Features

- Suitable for offices, houses, etc, easy installation on the wall or in the ceiling.
- Manufactured from sheet steel painted white @RAL9010 or RAL9016.
- Available also in Stainless steel version SV-S.
- The valve body is equipped with a cellular plastic gasket.
- The air flow is adjusted by rotating the control disc.
- Supplied with mounting ring.

SV	A	B	C	D	\$
80	116	59.5	39.11	77.g	7
100	139	75	38	96.6	7
125	165	98	44.5	1122.3	7
150	200	118.5	51	1148.5	7
160	201.5	121	51.5	1157.5	7
210	248	157	55.5	1117.5	7
250	298	208	63	2.48	7

NSV

Metal Air Valves



Features

- Suitable for offices, houses, etc, easy installation on the ceiling.
- Manufactured from sheet steel painted white.
- The valve body is equipped with a cellular plastic gasket.
- The air flow is adjusted by rotating the control disc.
- Supplied with mounting ring.

NSV	A	B	C	\$
911	114	95	37	7
100	134	172	40	7
125	165	137	46	7
160	195	160	54	7
WO	247	207	64	7

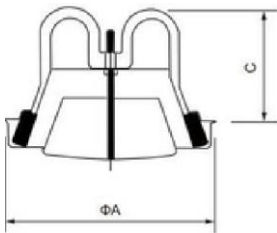
KEV

Metal Air Valves



Features

- Used for ventilation System with a low sound level even at high pressure drops.
- Manufactured from sheet steel painted white RAL9010 or RAL9016.
- The valve body is equipped with a cellular plastic gasket.
- The air flow can easily be adjusted by rotating the inner cone.
- Supplied with mounting ring.



Sanna Valve KEV-S

- Suitable for houses, offices etc.
- Can be opened and closed simply by pushing or pulling the wooden knob.

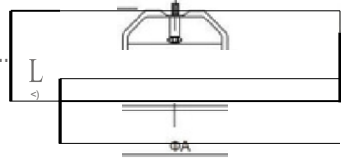
KEV	A mm	C mm
100	136	77
125	152	87
160	191	91
200	243	109

KSV

Metal Air Valves

Features

- Used for Yettilio system with a low sound level even at high pressure drops.
- Manufactured from sheet steel painted white RAL9010 or RAL9016.
- The valve body is equipped with a cellular plastic gasket.
- The air flow can easily be adjusted by rotating the inner cone.
- Supplied with mounting ring.



Sanna Valves KSV-S

- Suitable for houses, offices etc.
- Can be opened and closed simply by pushing or pulling the wooden knob.

KSV	A	B	C
100	145	67	18
125	175	76	19
160	218	80	20

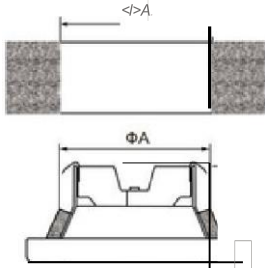
EVF

Metal Air valves



Features

- Used for both exhaust and supply air. easy installation on wall or in the ceiling.
- Manufactured from sheet steel with a white powdercoated finish RAL9010.
- The valve body is equipped with a cellular plastic gasket.
- All sizes can be installed into the mounting frame or directly into the duct using its friction springs.
- The air flow can easily be adjusted by rotating the inner cone.
- Accessories: mounting ring type D and E.



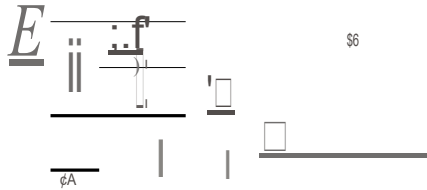
EVF	A	B	C
100	81D	1108	Hi
125	1100	1137	Hi
160	1125	1162	Hi
200	1150	1193	Hi
250	200	240	19

SVF

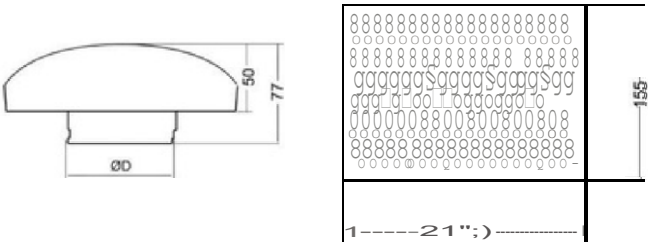
Metal Air Valves

features

- Used for both exhaust and supply air. easy installation on wall or in the ceiling.
- Manufactured from sheet steel with a white powder-coated finish RAL9010.
- The valve body is equipped with a cellular plastic gasket.
- All sizes can be installed into the mounting frame or directly into the duct using its friction springs.
- The air flow can easily be adjusted by rotating the diffuser unit.
- Accessories: mounting ring.



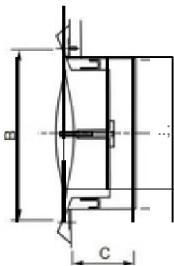
SVF	H	A	B
80	27-57	1108	80
100	27-51	1137	100
125	27-67	1162	125
160	27-51	1113	160
200	27.6	240	200



Features

- A quiet supply air valve suitable for offices, homes, etc. easy installation in the wall, manufactured from sheet steel painted white FIAL9010 or FIAL9016.
- A removable front plate for easy cleaning, measuring and adjustment of air flow.

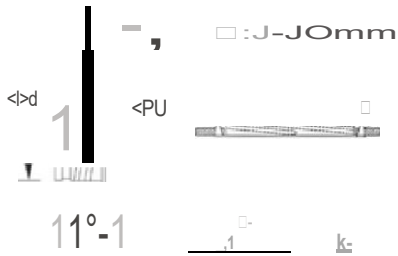
Size	ØD
125	99
125	124



Features

- All Stainless steel 304 construction, excellent feature of antirust.
- Suitable for offices, homes, etc. easy installation on wall or in the ceiling.
- Oil-tight, no leakage, no appearance.
- Applied for both return and supply air.
- The air flow is adjusted by rotating the control disc.
- Supplied with mounting ring.

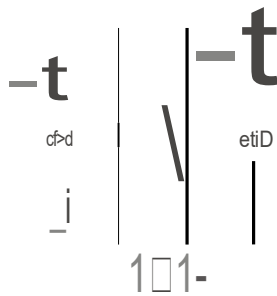
VS	A	B	C	ØB
100	97	111	52	60
125	120	141	52	80
150	145	172	62	94
160	155	182	62	104
200	195	228	74	124



Features

- Designed for use with series metal air valves.
- Made of galvanized steel sheet, formed by the draw press technique.
- Quick and easy mounting with a standard screw and flexible fitting.

Size	ØD	Ød
100	105	79
125	125	99
150	150	124
160	175	149
200	185	179
250	225	199



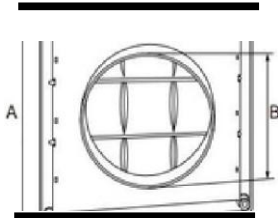
Features

- Designed for use with series metal air valves.
- Made of galvanized steel sheet.
- Quick and easy mounting with a standard screw and flexible fitting.

Size	ØD	Ød
80	105	79
100	125	99
125	150	124
150	175	149
160	185	179
200	225	199
250	275	249

SMS-P

Plastic Gravity Shutter



Features

- All PVC plastic design.
- Ideal for use in clothes dryer, kitchen and bathroom air exhaust.
- Neck size 100/125/150mm
- Preventing the reverse of the airflow.

SMS-P	A	B	C
100	50	102	40
125	200	127	60
150	200	152	60

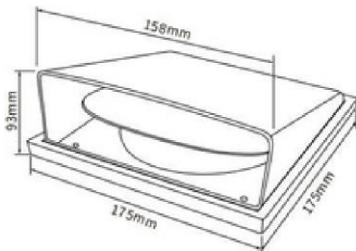
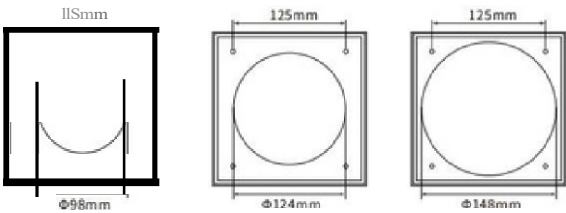
SUA-P

Plastic Gravity Shutter



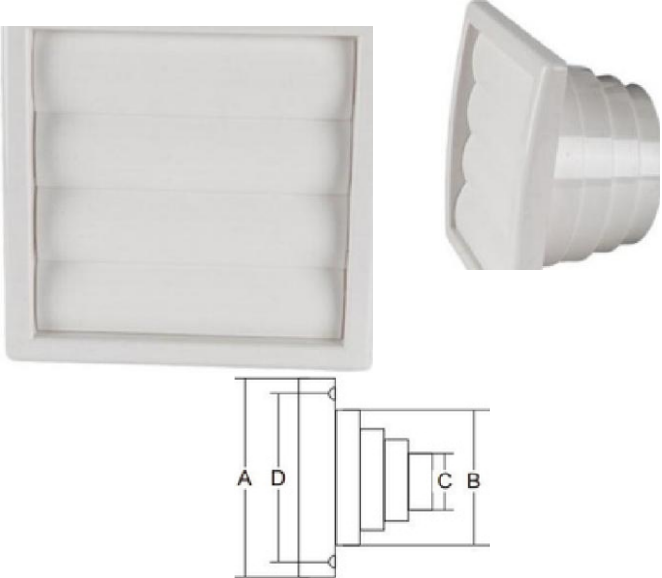
Features

- All PP plastic design
- Neck size 100/125/150mm
- Preventing the reverse of the airflow



PGS

Plastic Gravity shutter



features

- White or brown color
- Made from impact resistant ABS plastic
- Multi-step mounting collar can fit 101mm and 125mm size
- Preventing the reverse of the airflow

PGS	SIZE
A	100
B	102
C	40
D	118

PL plastic gravity shutter

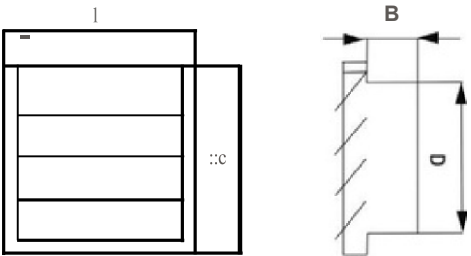
Plastic Gravity Shutter



Features

- Material: model 101HSO made from PP plastic/ model 200 made from ABS plastic
- Neck size: 100/125/150/200mm
- Preventing the reverse of the airflow
- Accessories: insect screen

PL	D	L*H	B
100	100	140*140	50
125	125	175*175	50
150	150	175*175	50
200	200	228*228	75



5

1

PFL

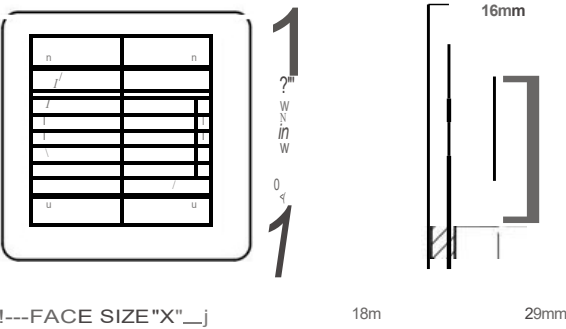
Plastic Air Grille



Features

- Oesiged to withstand harsh outdoor conditions
- Made with impact &UV resistant PP
- Includes flywire mesh to eliminate entry of insects
- Available with 100mm, 125mm, 150mm & 200mm diameter spigots

MODEL	Ø D	FACE SIZE "X"	FACE SIZE "V"
100	100	155	155
125	125	180	180
150	150	205	205
200	200	255	255



PACi

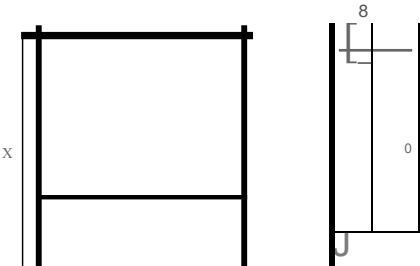
Plastic Air Grille



Features

- Material: model 100-150 made from PP plastic/ model 200 made from ABS plastic
- Neck size: 100/125/150/200
- Accessories: insectscreen

PAG	Ø	L"H	B
100	100	140*140	50
125	125	175*175	50
150	150	175*175	50
200	200	22*228	75



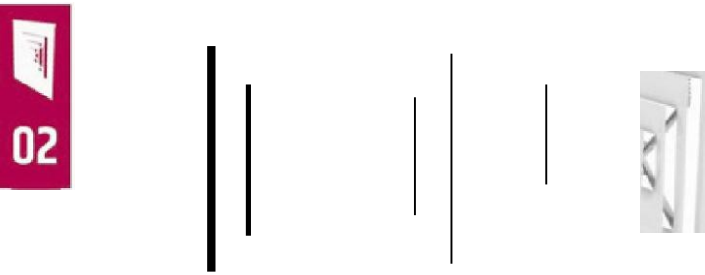
| DIFFUSERS

2

Square Diffusers
Circular Diffusers
Swirl Diffusers
Linear Diffusers
Floor Diffusers

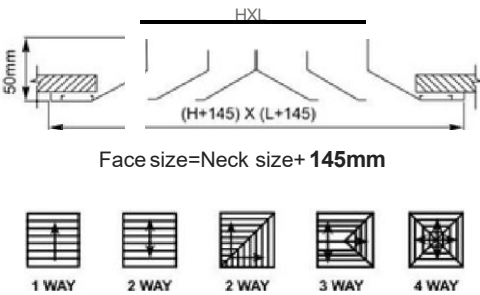
CD-SA

square Diffusers



Features

- The diffuser CO-SA is used for the supply and exhaust of cooled and heated air.
- Completely in extruded aluminium; satin anodized or powder-coated while RAL9010, 9016.
- The central core is removable for easy maintenance.
- Simple and pleasant appearance.
- Accessories:
 - OBD 11pposite blade damper Neck adapter



Available at Neck Size

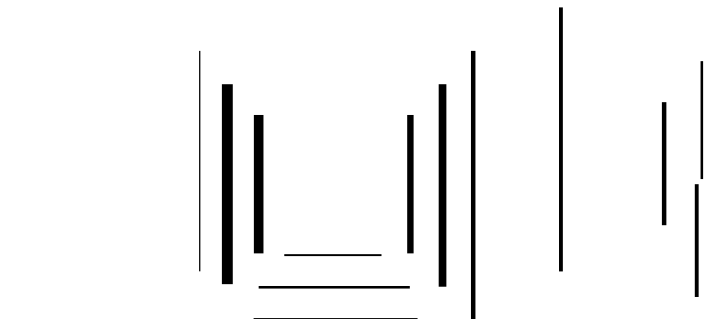
150x150mm
225x225mm
300x300mm
375x375mm
450x450mm

Face Size

295x295mm
370x370mm
445x445mm
520x520mm
595x595mm

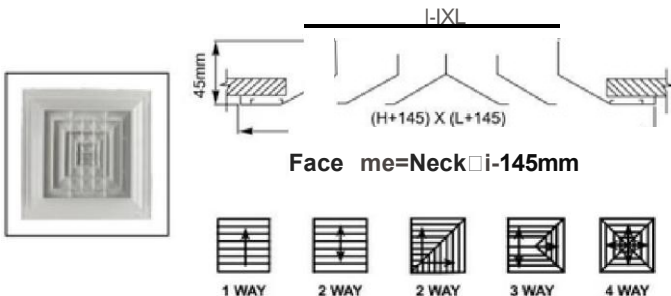
CD-SB

square Diffusers



Features

- The diffuser CO-SB is used for the supply and exhaust of cooled and heated air.
- The Central coils are completely made from aluminium sheet not in extruded aluminium; in the corner Aluminiums support the central cores inside the frame.
- The central coil is removable for easy maintenance.
- Simple and pleasant appearance.
- Accessories:
 - OBD opposite blade damper Neck adapter



Available at Neck Size

150x150mm
225x225mm
300x300mm
375x375mm
450x450mm

Face Size

295x295mm
370x370mm
445x445mm
520x520mm
595x595mm

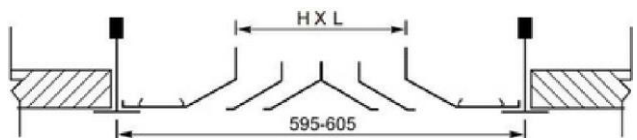
CD-SP

square Diffusers



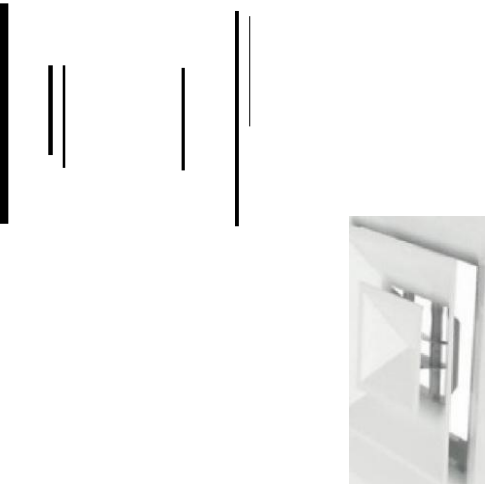
Features

- Designed for bar cooling: 6011x600 or 610X6H.
- Anodized or powder-coated, colour RAL9010, 9016, other colours on request.
- Accessories: OBD opposite blade damper.
- The frame panel for T-bar is made from aluminium, a steel sheet.
- Available at Neck Size HxL: 150mmx150mm
225mmx225mm
300mmx300mm
375mmx375mm



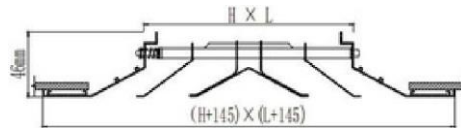
CD-SAP

square Diffusers



Features

- The diffuser CD-SAP is suitable for the supply and discharge of cooling and heating air.
- The product is made entirely of anodized aluminium, anodized with a powder-coated color on request.
- Simple appearance.
- Accessories: Neck configuration with flange blades (swivelable).
- HxL net size: 150mmx150mm
225mmx225mm
300mmx300mm
375mmx375mm
450mmx450mm



BED

Square Diffusers

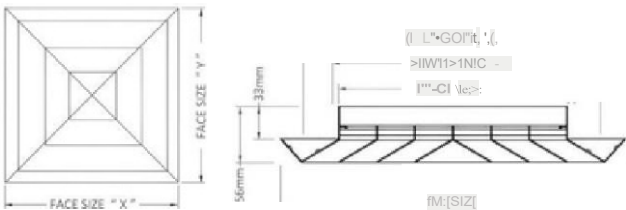


Features

- Filtrated blowing aluminum beveled square diffusers are suitable for the supply and discharge of cooling and heating air.
- The product is entirely made of extruded aluminum, satin coated with a powder layer, on request.
- Simple appearance.
- The 1.2nd, 3rd of the faces are inclined inwards in a "V" shape.

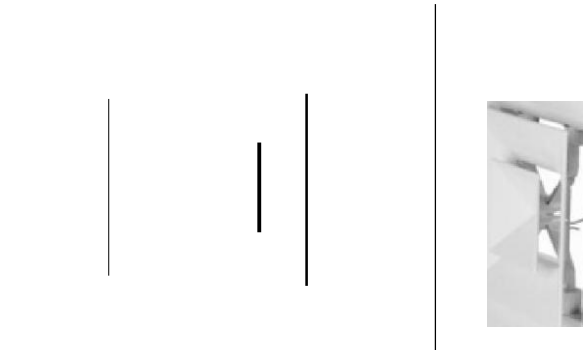
HXL Model size:
745mmx145mm

220mmx220mm
295mmx295mm
370mmx370mm
445mmx445mm



XLD

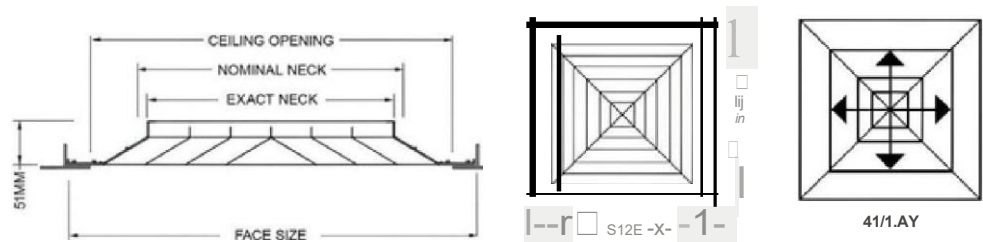
square Diffusers



Features

- Filtrated blowing aluminum beveled square diffusers are suitable for the supply and discharge of cooling and heating air.
- The product is entirely made of extruded aluminum, satin coated with a powder layer, on request.
- Simple appearance.
- The product is flat and level.

HXL Model size:
145mmx145mm
220mmx220mm
295mmx295mm
370mmx370mm
445mmx445mm



SRPD

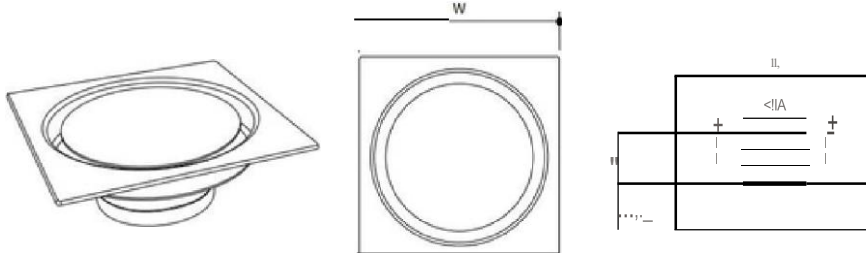
square Round-Pan Diffuser



Features

- Minimally exposed diffuser for low-profile installation.
- Adjustable panel height; up/down to control the vertical air stream throw.
- Suitable for hall ceilings, bathrooms, kitchens, etc.
- Horizontal throw distance is regulated by panel adjustment for versatile airflow management.

Model No.	W	φA	B	C	D
SRPD150	300	147	254	40	60
SRPD200	400	197	254	40	60



square Diffusers-Accessories



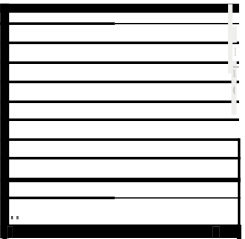
Plenum box



Neck adaptor



Connection corner

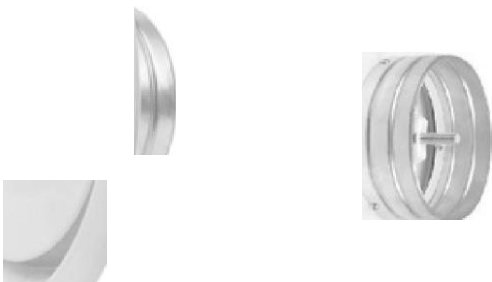


Opposite blade damper
OBD-AJ,C

RPD
ROUND PAN DIFFUSER



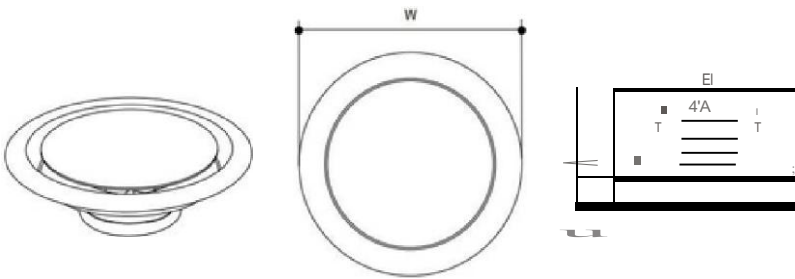
02



Features

- Minimally exposed diffuser for low-profile installation.
- Adjustable petals tilt up/down to control vertical airbeam throw,
- Suitable for hall ceilings, bathrooms, kitchens, etc.
- Horizontal throw design is regulated by petal adjustment for versatile airflow management

Model No	A	W	B	H	C
RP0150	145				50
RPD2.0	195	320	280	60	50
RPD2.S0	250	420		60	63



CD-RA
Circular Diffusers



Features

- Used for supply and exhaust of the hot or cold air.
- All aluminium construction.
- Powder-coated or anodized finish, standard colour RAL9010, RAL9016.
- Assembled with integral butterfly damper, made of plastic.
- The rotatable inner core offers free access to the integral butterfly plastic volume damper.

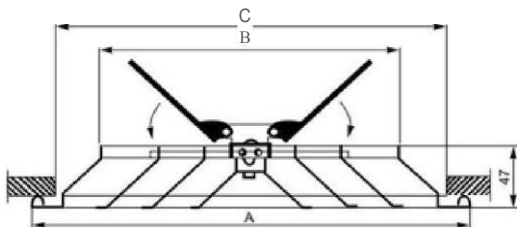
CD-RA	A	B	C
150	257	149	225
200	307	189	275
250	357	249	325
300	407	289	375
350	457	349	425



Butterfly damper in plastic



Vacuum plastic packing



CD-RAH
Circular Diffusers



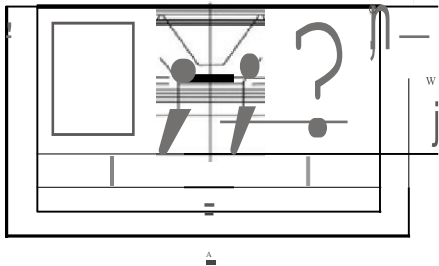
02



Features

- Used for supply and exhaust of the hot or cold air.
- All aluminium construction.
- Powder-coated or anodized finish, standard colour RAL9010, RAL9016.
- Assembled with integral butterfly damper made of plastic.
- The rotatable inner core offers free access to the integral butterfly plastic volume damper.

CD-RAH	A	B	C	D	E	F
150	145	205		25	73	35
200	195	260	110	25	73	35
250	245	300	155	25	73	35
300	295	350	210	25	73	35
350	345	420	270	25	73	35



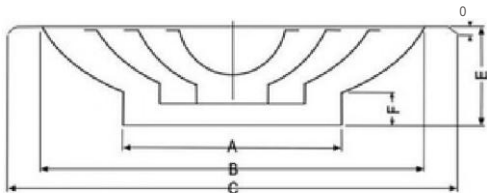
CD-RB
Circular Diffusers



Features

- All aluminium construction.
- Powder-coated or anodized finish, standard colour RAL9010, RAL9016.
- Rotatable inner core.
- Accessories: slide type volume control damper.

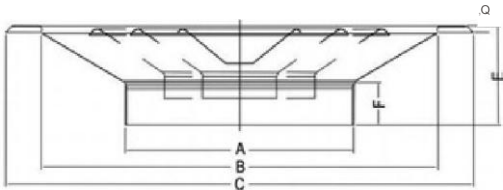
CD-RB	A	B	C	D	E	F
150	148	251	305	30	65	22
200	198	290	350	30	65	22
250	228	316	371	30	65	22
300	248	330	400	30	65	22
350	298	390	450	30	65	22
400	348	440	500	31	65	22
450	398	470	530	30	65	22
500	448	540	600	30	65	22



CD-RC
Circular Diffusers



02

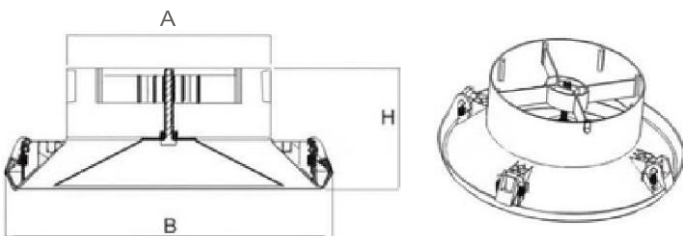


Features

- Used for supply and exhaust of the hot or cold air.
- All aluminium construction.
- Powder-coated or anodized finish. standard colour RAL9002, 9016.
- Removable inner core with safety rope.

CD-RC	A	B	C	D	E	F
150	145	280	350	35	84	40
200	193	340	400	35	84	40
250	243	380	440	35	84	40
300	295	445	500	35	84	41
350	345	480	550	35	84	40
400	395	530	600	35	84	40

CD-R
Circular Diffusers



Features

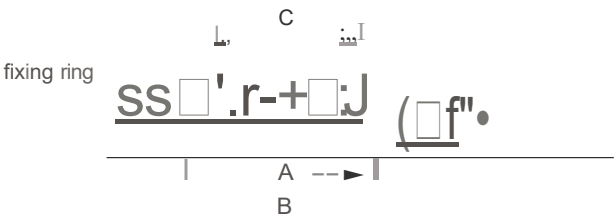
- Made from high impact resistant ABS plastic.
- Quick fastening system.
- Fully adjustable rotation of the core allows better air distribution.
- The surface is highly etched to reduce reflection and fire with most devices.
- Available in 4 sizes

Size	A	B	H
150	115	260	120
200	260	320	121
250	250		120
300	295		121

SD-A
swirl Diffusers



02

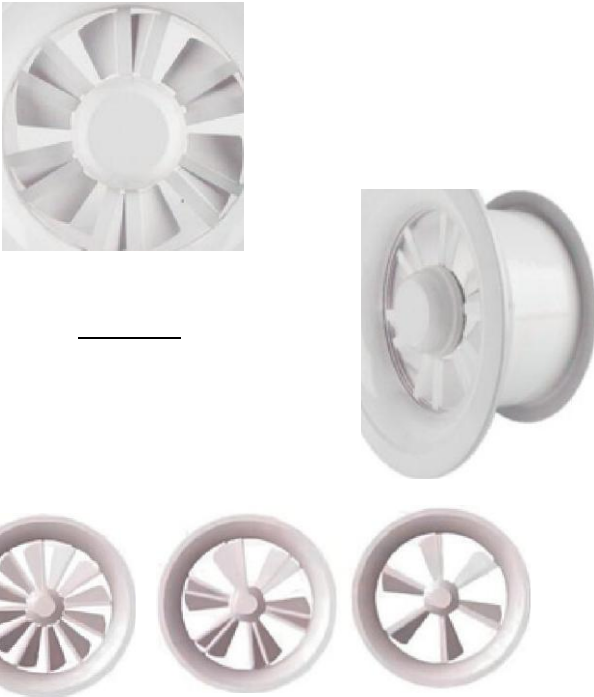


Features

- Applied to premium places and industrial workshop.
- Blow in helix, high intensity, reduce temperature rapidly. will low noise.
- With excellent performance, SD-A could be either installed directly with the pipe or hung on construction objects, or on the air pipe inside of enclosed system.
- 601h the pressure and diffusing ability are similar while (AAL90101 standard,

SPECS	A	B	C	H
125	16S	205	124	70
HiO	210	250	159	95
200	260	310	199	110
250	330	380	249	130
315	395	435	314	166

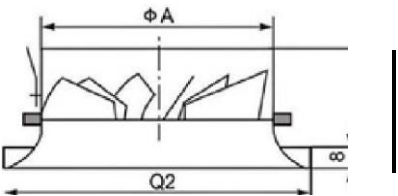
SD-R
Swirl Diffusers



features

- The positive air outlet assembled with the diffuser and turbine blades. The blades could be adjustable by manual or by electric device to reach the goal of blast stability.
- All Aluminum construction painted in RAL9010 or 9016.

SD-R	A	H	Q
250	295	195	370
315	368	212	468
350	398	216	500
401	450	232	
500	SS9	232	



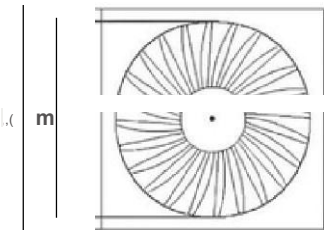
SD-B

swirl Diffusers



Features

- SD-B swirl diffusers consist of fixed, rapidly arranged air outlet blades.
- Tiled diffuser face of SD-B offers a high volumetric rate at low sound power levels.
- Available in 4 sizes to meet architectural requirements, the face plate can be circular or square.
- Square face plate are designed for T-bar ceiling.
- Powder-coated stainless steel finish, standard colour: RAL 9010, 9016.



SD-B	A	B
Model	5,95	254
Circle	5,15	336
SOC	5,95	4140
600	5,05	530

SD-CA

swirl Diffusers



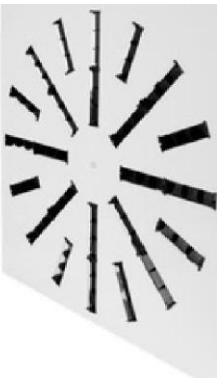
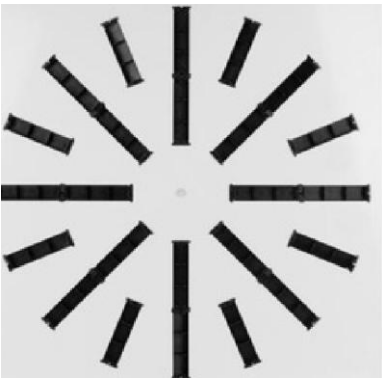
Features

- The swirl diffuser SD-CA can be used for either supply or exhaust air application.
- The diffuser can be supplied with either circular or square face plate depending on architectural requirements.
- The face plate is in galvanized steel, powder coated white (RAL 9010 or RAL 9016).
- Control blades are made from polystyrene, with black as standard or white on request.
- All sizes are suitable for flush mounting into ceiling.
- Available in the sizes above.

300X8	400X16	500X24
298	3,96	0498
600X24	600X48	625X54
D595(623)	05145	D62,3
825X72		
825		

SD-CB

swirl Diffusers



Features

- Tile swirl diffuser SD-CB can be used for either supply or exhaust air application.
- The diffuser is supplied with square face plate.
- The face plate is in galvanized steel, powder coated white (RAL 9010 or RAL 9016).
- Control blades are made from polystyrene, with black as standard or white on request.
- All sizes are suitable for flush mounting into ceiling.
- Available in the sizes listed below.

400X12	500XW	600X12	600X20
MOX36	roox40	OOXM	825X60

SD-CB	Dimensions	Slot numbers
400X12	3% X 3%	12
500XW	495 X 4%	20
600X12	595 X S95	12
600XW	595 X 595	20
600X3	595 X 595	36
600X4	595 X 595	40
600X48	595 X S95	48
825X6	320 X S20	60

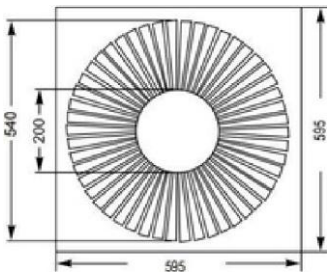
SW

swirl Diffusers



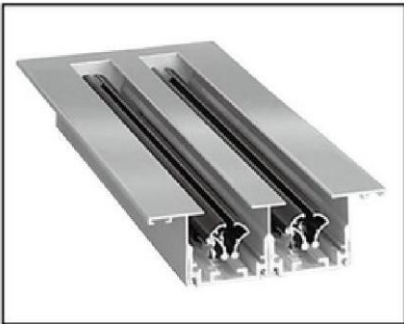
Features

- Swirl diffuser SW generate high-quality, diffuse air flow according to the principle of turbulent mixing air flow.
- The diffuser SW can produce comfort for air conditioning.
- Low sound power level and pressure loss.
- For installation flush with suspended ceiling or be installed in false ceiling.



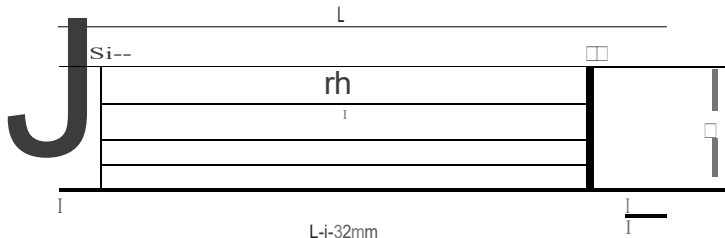
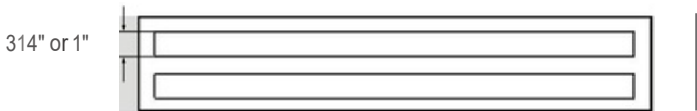
LSD Linear slot diffuser

Linear Diffusers

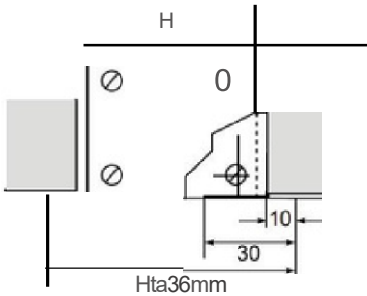


Features

- LSD diffusers are designed for variable air volume systems.
- Both the direction and volume of the discharged air can be adjusted by moving the pattern controller (see diagrams).
- Full 130° pattern controller adjustment means there is no left or right, specifying, ordering, and installing are simplified.
- Available with Hi slots.
- Ideal for continuous length application.
- Maximum panel length is 60m; maximum one piece section is 1.8m. Lengths more than 1.8m are furnished in multiple sections.



Neck Size = L X H
Face Size = (L+32mm) X (H+36mm)



Accessories: Plenum box

Slots No.

1 Slot

2 Slots

3 Slots

4 Slots

Height

44.5mm

81mm

131.5mm

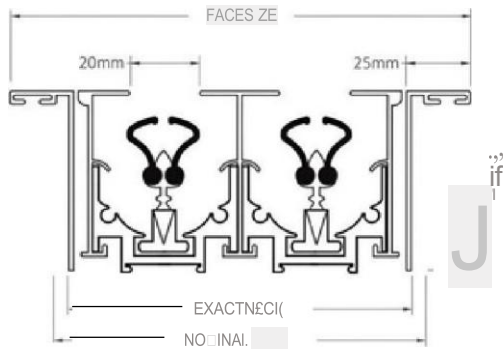
175mm

Length

Standard Length 495mm, 990mm, 1485mm, 1980mm and other dimensions available at request.

RCLS

Linear Diffusers

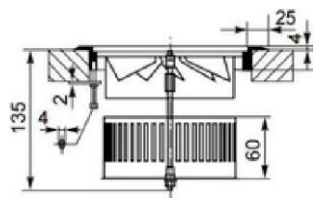


Features

- Aluminum slotted diffusers for variable air volume systems.
- The product is made of extruded aluminum with a powder coated surface, the color of which is based on the customer's requirements.
- The inner core is removable.
- H/L neck size:
 - 595mm x 95mm
 - 695mm x 95mm
 - 795mm x 95mm
 - 895mm x 95mm
 - 1115mm x 95mm
 - 1115mm x 150mm

FDS

Floor Diffusers



Features

- Circular air supply diffuser with swirl function from mounting in floors.
- Diffuser manufactured in cast Aluminium, dip trap and internal swirl constructed of galvanized steel sheet.
- High induction levels.
- A cleanable diffuser.
- Sizes: 151, 200, 250

| GRILLES

3

Eggcrate Grilles

Wall Grilles

Return Grille With Filter

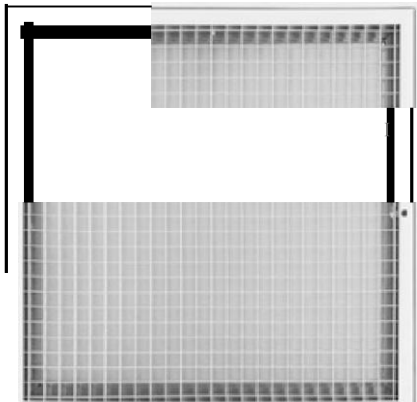
Linear Bar Grille

Accessories for Grilles

Ceiling Access Panel

ECi-A Eggcrate grille with filter

Eggcrate Grilles

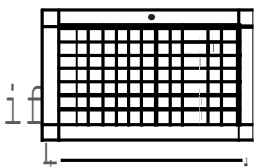


Features

- Designed for return air with filter.
- Removable or hinged cores for easy access to maintenance filter inside.
- All aluminium construction.
- 12.7mmX12.7mm square lattice core
- High flow area: 90%, ideal for return air applications.
- Powder-coated surface finish, standard colour RAL9010, 9016.
- Different sizes can be ordered on request.



12.7X12.7



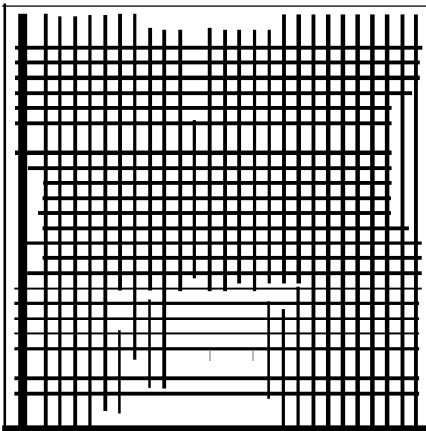
"Neck Size L and H is made at request"



Plastic open button available

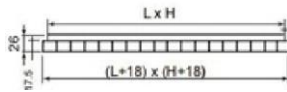
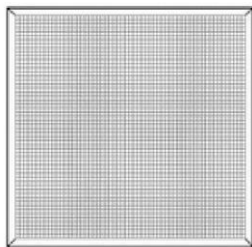
EG-B

Eggcrate Grilles



Features

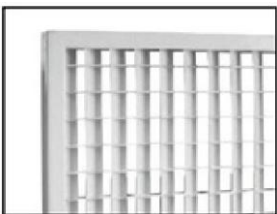
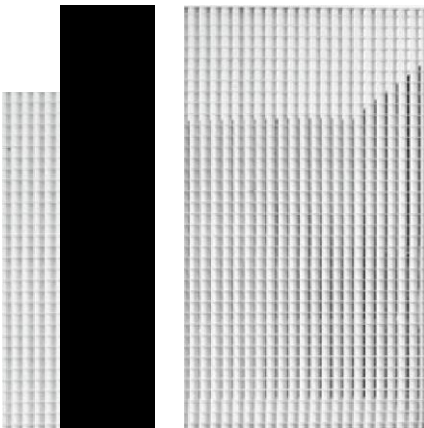
- Ideal for return air application.
- Lightweight all aluminium design.
- 12.7mmX12.7mm square lattice core
- Mill finish, or painted white; standard colour RAL9010, 9016.
- For installation on false ceiling.
- Available in size: 600X600, 600X1200, 1200X600



• Neck Size L and H is made at request

ECi-Bi

Eggcrate Grilles



Features

- Inclined 45° ribbed grid, ideal for return air applications.
- Lightweight all aluminium design.
- 12.7mmX12.7mm square lattice core
- Mill finish, or painted white; standard colour RAL9010, 9016.
- For installation in false ceiling. Other sizes on request.
- Available in size: 600X600...



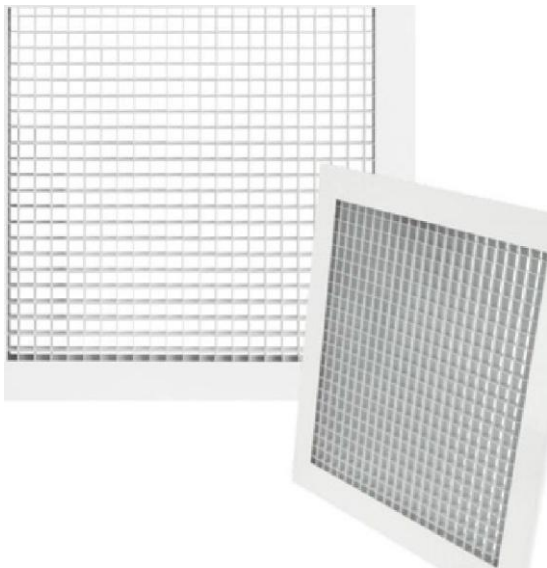
LXH



...

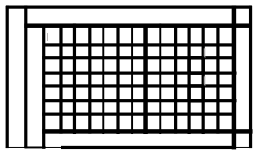
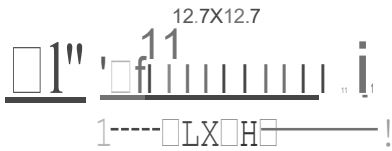
EG-CB

Eggcrate Grilles



Features

- Designed for return air application, high free area: 90%.
- All aluminium construction.
- 12.7mmX12.7mm square lattice core
- Anodized finish, or painted white; standard colour RAL9010, 9016.
- Different sizes can be ordered on request



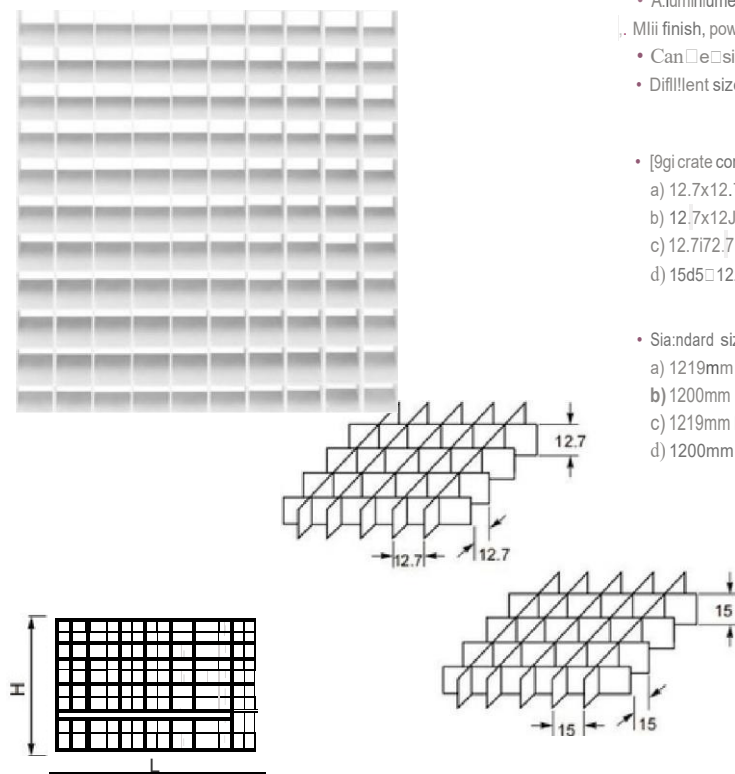
L+54

EG-D Eggcrate Grilles



Features

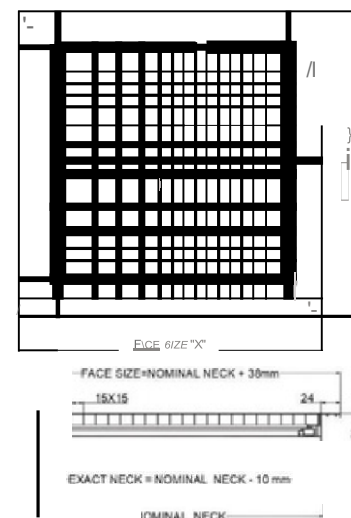
- Aluminium eggcrate core only.
 - Mill finish, powder coated (1 white RAL 9010, 9016).
 - Can be silr curo cliffe, eM sizes.
 - Different size be produced oo request.
- Eggcrate core in the following configurations:
 - a) 12.7x12.7d2.7mm in thickness of 0.47mm aluminum material
 - b) 12.7x12.7x12.7mm in thickness of 0.35mm aluminum material
 - c) 12.7x12.7x12.7mm in thickness of 0.48mm aluminum material
 - d) 15d5x12.7mm 45° inclined in thickness of 0.48mm aluminum material
 - Standard sizes:
 - a) 1219mm x 1219mm
 - b) 1200mm x 1210mm
 - c) 1219mm x 510mm
 - d) 1200mm x 601,11mm



HERAG Egg[rate Grilles

Features

- Aluminium eggcrate VMI with removable core
 - With screen, suitable for installation in the air intake or exhaust area of the air outlet
 - Shape of the product, is made of extruded aluminum, the surface is coated with plastic powder, the color is subject to customer's requirements.
 - Product specifications and dimensions are subject to customer requirements
- HXL necksize:
 - 238mmx138mm
 - 288mmx288mm
 - 388mmx338mm
 - 438mmx338mm
 - 538mmx338mm



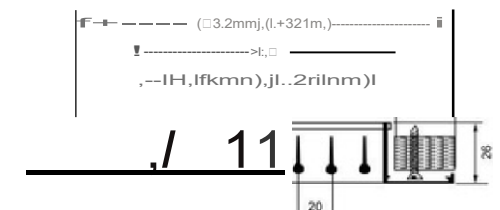
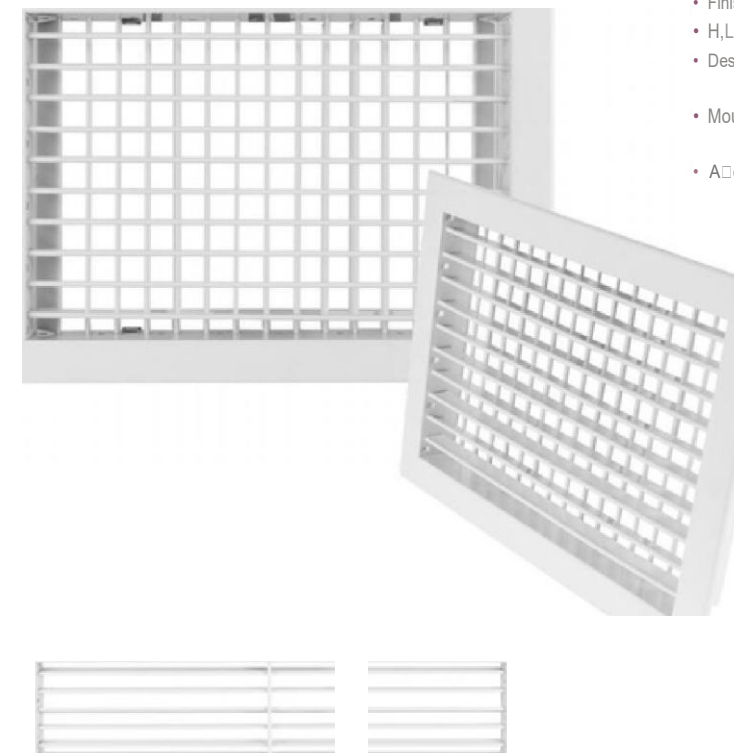
Classic line wall grille Single deflection grille SG-A Double deflection grille DG-A



Wall Grilles

Features

- Aluminium grilles, adjustable blades.
- Classic and popular design.
- Finish: anodized in its natural colour, or painted white RAL9010, 9016.
- H, L: Nominal order in sizes (duct opening size)
- Designation: Vertical front blades SG-A/DG-AV
Horizontal front blades SG-AH/DG-AH
- Mounting methods: Visible screw mounting
Hiding with mounting frame SFR
- Accessories: sub frame SFR
Volume control damper OBO
CLIP Mounting clips for sub frame



Nominal Size= H X L ((duct opening size)

Neck Size= (H-20mm)X(L-20mm)

Face Size= .. (H+32mm)X(L+32mm)

Nominal	100	150	200	250	300	350	400	450	500	550	600	650	700	751	800	850	1100	950	1110
H (mm)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
L (mm)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
150		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
200			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
250				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
300					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
350						•	•	•	•	•	•	•	•	•	•	•	•	•	•
400							•	•	•	•	•	•	•	•	•	•	•	•	•
450								•	•	•	•	•	•	•	•	•	•	•	•
500									•	•	•	•	•	•	•	•	•	•	•
550										•	•	•	•	•	•	•	•	•	•
600											•	•	•	•	•	•	•	•	•
650												•	•	•	•	•	•	•	•
700													•	•	•	•	•	•	•
751														•	•	•	•	•	•
800															•	•	•	•	•
850																•	•	•	•
1100																	•	•	•
950																		•	•
1110																			•

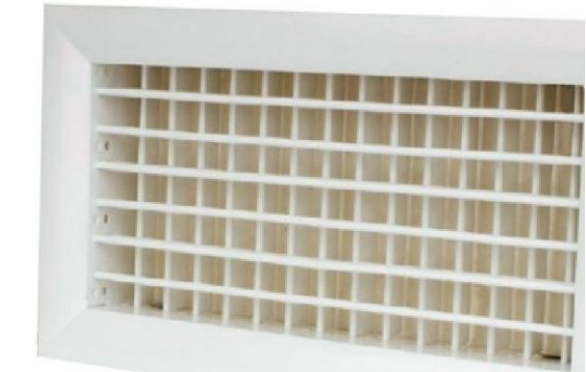
New line wall grille

Single deflection grille SG-B

Double deflection grille DG-B

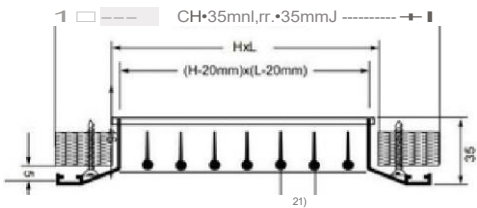


Wall Grilles



Features

- New and unique modern designed curved "Aow-in" frames blend perfectly with wall or ceiling surfaces.
- All aluminium construction from precision extruded profiles.
- Available curved "Aow-in" frame sizes: 15mm, 20mm and 30mm.
- Finish: anodized in its natural colour, or painted white (RAL 9016).
- L: Nominal duct opening size
- Designation:
 - Vertical front blades SG-BV OG-BV
 - Horizontal front blades SG-BH DG-BH
- Mounting method:
 - Fixing with mounting frame SFR.
- Accessories:
 - Subframe SFR
 - Volume control damper ØBD
 - CLIP Mounting clips for subframe

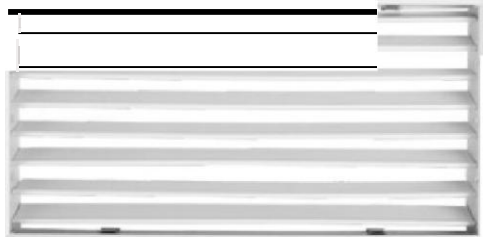


Normal Size = H x L (duct opening size)
Neck Size = (H-20mm) x (L-20mm)
Face Size = (H+35mm) x (L+35mm)

N0111111a																				
H (mm)	L (mm)	100	150	200	250	300	350	410	450	500	550	600	650	700	750	800	850	900	950	1000
100		•																		
150			•																	
200				•																
250					•															
300						•														
350							•													
400								•												
450									•											
500										•										
550											•									
600												•								

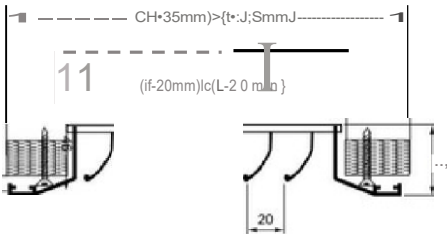
Single deflection return grilles RG-A

Wall Grilles



Features

- Designed for return air.
- New and unique modern designed "low-in" frames blend perfectly with wall or ceiling surfaces.
- All aluminium construction from precision extruded profiles.
- Available curved "low-in" frame sizes: 15mm, 20mm and 30mm.
- H: Nominal duct opening size (duct opening size)
- Mounting method:
 - Fixing with mounting frame SFR.
- Accessories and mounting:
 - Subframe SFR
 - Volume control damper ØBD
 - CLIP Mounting clips for subframe



Normal Size = H x L (duct opening size)
Neck Size = (H-20mm) x (L-20mm)
Face Size = (H+35mm) x (L+35mm)

Nominal																				
H (mm)	L (mm)	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
100		•																		
150			•																	
200				•																
250					•															
300						•														
350							•													
400								•												
450									•											
500										•										
550											•									
600												•								

Single deflection return grilles RCi-B

Wall Grilles

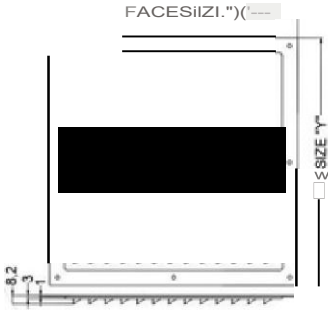


Features

- Designed for return air
- All aluminium construction from precision extruded profiles.
- Available extruded "now-in" frame Sizes: 15mm,20mm and 30mm.
- H, L: Nominal ordering sites (duct opening size)
- Minimum mounting distance:
 - Mounting frame SFR.
- Accessories anti mounting:
 - Sub frame SFR
 - Volume control damper BO
 - CUP Moonling clips. IOI sub frame

MLA

wall Grilles

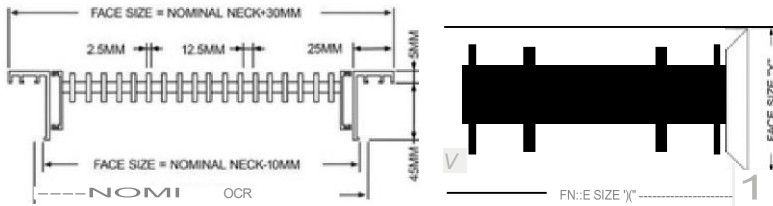


Features

- Iron shutter air outlet.
 - Suitable for installation in the air intake C11 exhaust area of the air outlet
 - The product surface is sprayed with plastic powder and the color is subject to customer requirements.
 - Product specifications and dimensions are subject to customer requirements
- Size:
- 150mm*150mm
 - 200mm*200mm
 - 250mm*250mm
 - 300mm*300mm
 - 360mm*360mm

RCBG

Wall Grilles



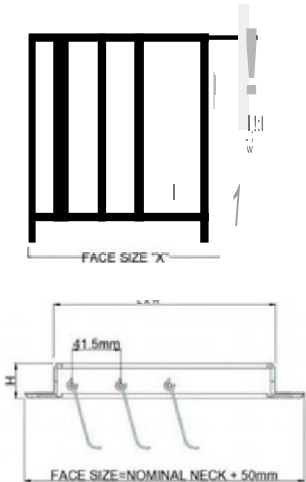
Features

- Aluminum line vent with fixed blades. blade pitch 12.5mm.
 - For air supply and exhaust in ventilation and air conditioning systems.
 - Completely made of extruded aluminum with powder coated surface, color on request.
 - Removable inner core
- HX neck size:
- 395mm*15mm
 - 495mm*95mm
 - 595mm*95mm

Nominal	100	150	200	250	300	350	411	450	500	550	600	650	700	750	800	850	900	950	1000
H (mm)	100	150	200	250	300	350	411	450	500	550	600	650	700	750	800	850	900	950	1000
L (mm)	100	150	200	250	300	350	411	450	500	550	600	650	700	750	800	850	900	950	1000
100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
150		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
200			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
250				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
300					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
350						•	•	•	•	•	•	•	•	•	•	•	•	•	•
400							•	•	•	•	•	•	•	•	•	•	•	•	•
450								•	•	•	•	•	•	•	•	•	•	•	•
500									•	•	•	•	•	•	•	•	•	•	•
550										•	•	•	•	•	•	•	•	•	•
600											•	•	•	•	•	•	•	•	•

GRAVITY GRILL

Wall Grilles



Features

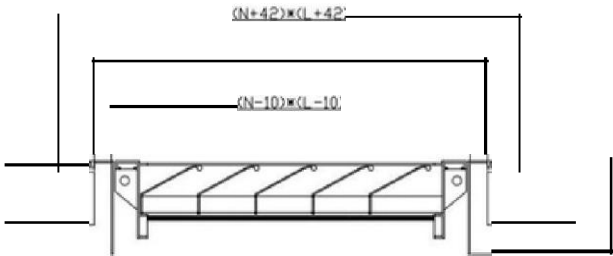
- Aluminum Blade Natural Dror, Air Vents
 - Suitable for installation in roof air intake or exhaust areas
 - The shape of the product is made of extruded aluminum. The surface is coated with plastic powder, and the color is subject to customer's requirements.
 - Product specifications and dimensions are subject to customer requirements
- HX neck size:
- 150mm*150mm
 - 200mm*100mm
 - 250mm*250mm
 - 300mm*300mm
 - 350mm*350mm

RCi-C

Return Grille with Filter



- Features**
- Air Exhaust grille with fixed blades.
 - Made of extruded aluminium.
 - The front grille is hinged mount for easy access to the filter.
 - Standard powder coated color white RAL9010, 9007-6.
 - Offered sizes on request.



RG-S

Return Grille with Filter

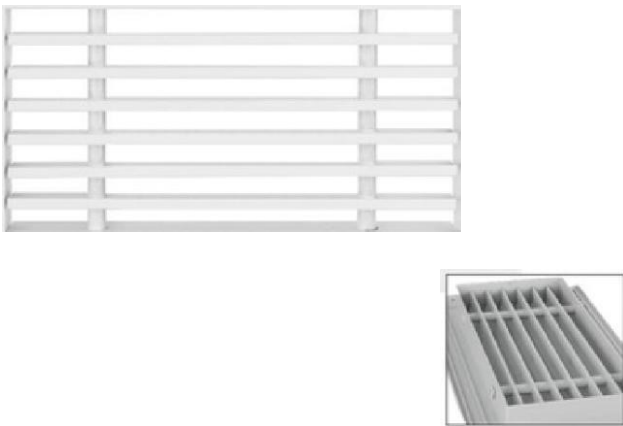


- Features**
- Air Exhaust grille with fixed blades.
 - Made of extruded aluminium powder coated in color white RAL9010, 9007-6.
 - It is screw mounted.
 - Come with insect mesh.
 - Neck size:
 - 15x15cm,
 - 20x20cm,
 - 25x25cm,
 - 30x30cm,
 - 35x35cm

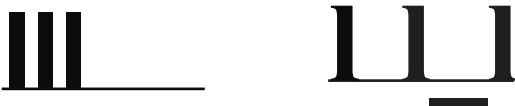


LBCi

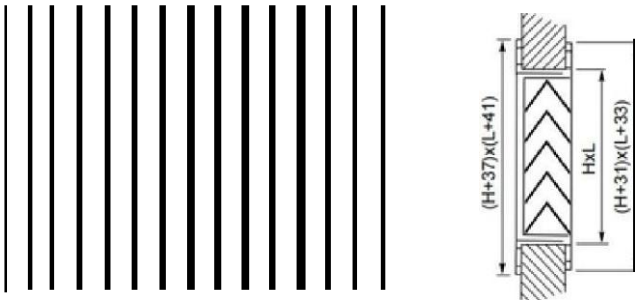
Linear Bar Grille



- Features**
- Aluminium grilles with fixed blades, a blade pitch of 11 mm deflection 110°.
 - Anodized finish or painted in RAL9010 01907-6.
 - Used for air supply and air exhaust in ventilation and air conditioning system.
 - Other deflection available on request.
 - Accessories:
 - Sub frame SFR
 - Isokinetic damper OEID
 - CLIPMOUNTING clip for the frame
 - Plenum box



Air transfer grilles. TCI



- Features**
- Made from extruded aluminium.
 - Anodized surface finish.
 - Wall or floor mounting for air transfer.
 - Sizes manufactured on request.

Louver LV



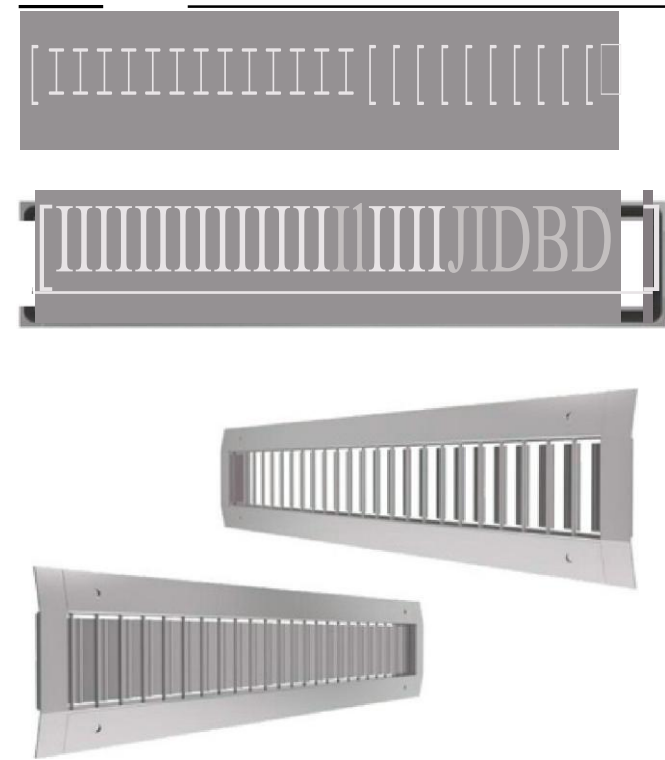
- Features**
- Extruded aluminium construction.
 - The specific design of the horizontal blades prevents the rainwater from outside.
 - Sizes produced on request.



Grilles for spiral ducts, Single deflection SGD

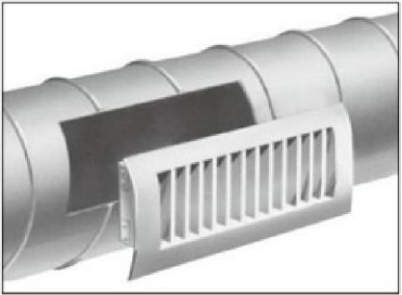
Grilles for spiral ducts, Double deflection DCiD

Grilles For Spiral Ducts



Features

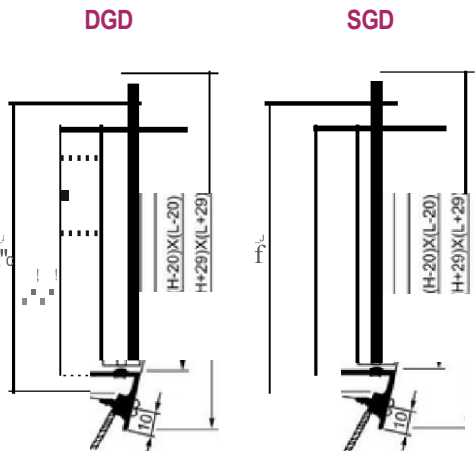
- Installed directly on a circular duct without frames or other fastening devices.
- Used for large locations where the circular duct is visible, e.g. in warehouse, factories, workshops, gymnasiums etc.
- Filtration efficiency: 150-1400mm.
- Made from galvanized steel sheet, alternatively can be supplied powder coated in RAL colour.
- The vanes can be adjusted manually and divided into 11 parts to obtain an optimal air distribution.
- Accessories and mounting:
 - Inclined sliding damper
 - Visible screw mounting



Dimensions

Dimensions (mm)

LXH (mm)	Min.	Max.
425X75	150	400
525X75	150	400
625X75	150	400
425X125	315	900
525X125	315	900
625X125	315	900
825X125	315	900
1125X125	315	900
425X175	450	1200
525X175	450	1200
625X175	450	1200
825X175	450	1200
1125X175	450	1200
425X225	610	1400
525X225	610	1400
625X225	610	1400
825X225	610	1400
1025X225	610	1400



Normal Size= H X L {duct opening size}
Neck Size = (H-20mm)X(L-20mm)
Face Size= (H+29mm)X(L+29mm)

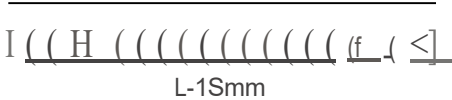
DAMPER OF STEEL DEFLECTION GRILLE FOR SPIRAL DUCT

Damper Of Grilles For Spiral Ducts



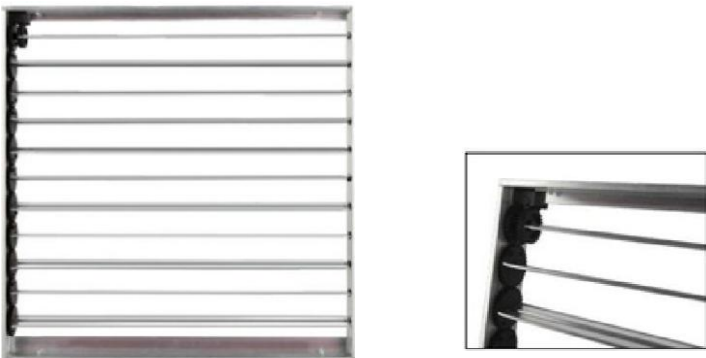
features

- Made of galvanized steel gas is discharge in one direction.



Opposite bladed damper OBD-B

Accessories for Grilles



Sub frame SFR

Accessories for Grilles



Features

- Provide a base for easy, quick snap-in mounting of grilles by means of the mounting springs CLIP.

Mounting spring for sub frame CLIP

Accessories for Grilles



Features

- The CLIP springs are factory mounted to fit sub frame.
- Can be easily released by knocking them with a screwdriver.

MOUNTING CLIPS

Accessories for Grilles



Features

- Clips are factory installed for use with subs.
- It is used by gently tapping it with a small pendant so that one end snaps onto the sub frame and the other side snaps onto the sub frame.

APCA

Ceiling Access Panel



Features

- Made of Aluminum
- Standard powder coated color white RAL9007 or 9016,
- Trapdoor of room with invisible Lock TIK TALK.
- Opening and lock by simple pressure.
- Different dimensions on request.

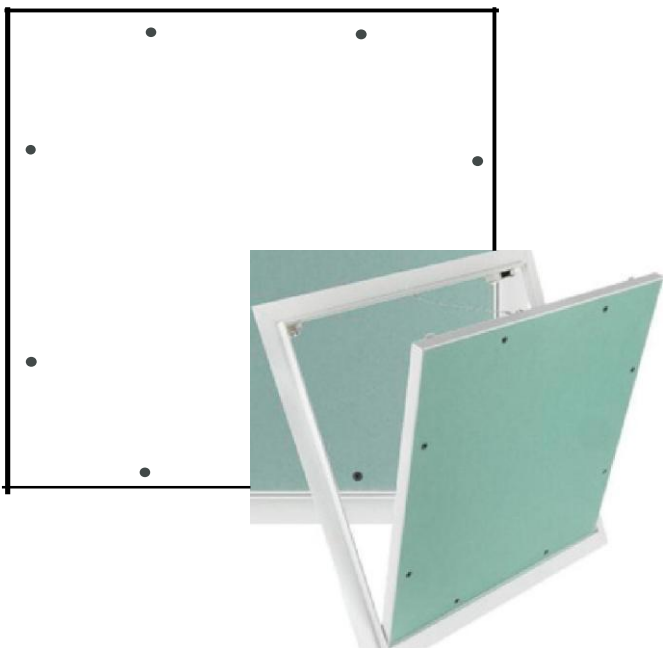


APCB

ceiling Access Panel

Features

- Made of Aluminum
- The Outer, and inner frames are made of aluminum
- The inner panel with plasterboard finish with outer frame.
- Safe hook for anti-lifting of inner panel when installation.
- Different dimensions on request.



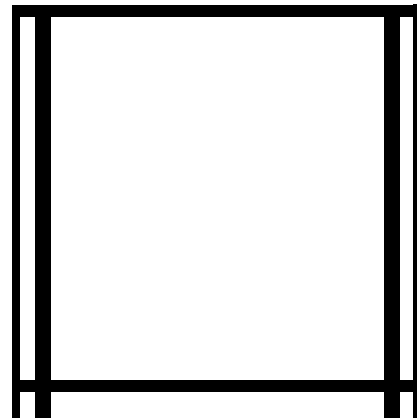
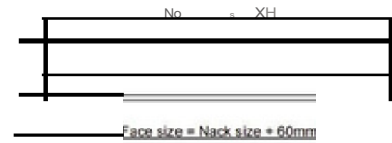
APCC

Ceiling Access Panel



Features

- Made of aluminum profile, not iron.
- Standard powder coating color whiteRAL9010,1016.
- With hinged door for easy access.
- Dimensions on request.



APCD

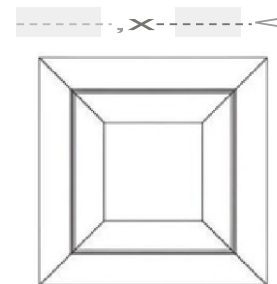
Ceiling Access Panel

Features

- Aluminum Type Ceiling Access Panel
- Suitable for exhaust system door
- The product is made of aluminum alloy material or aluminum plate, which can be opened and closed.
- Product specifications and dimensions are subject to customer requirements

- Neck size:
200mm*200mm
300mm*300mm
300mm*400mm
400mm*400mm
500mm*500mm

1:1 FACE SIZE + 0.1mm NECK + 76.1mm



SA-PA

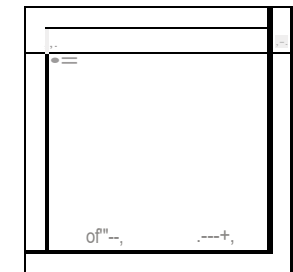
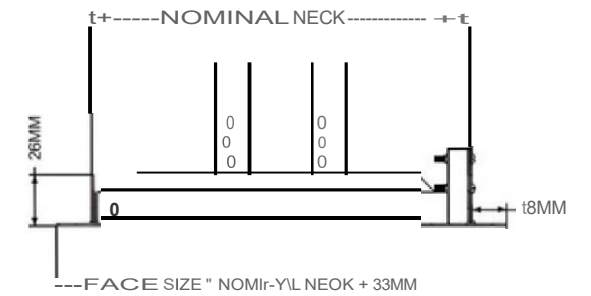
Ceiling Access Panel



Features

- Iron type access port
- Suitable for exhaust system door
- The product is made of iron and can be opened and closed
- Product specifications and dimensions are subject to customer requirements

- Neck size:
150mm*150mm
200mm*200mm
250mm*250mm
300mm*300mm
350mm*350mm



**EXTERNAL
ENT LOUVERS**

VLA

VLB

VLC

SMS

SUA

ELA

ELB

ELC

ELD

ELN

VLA
External Vent Louvers



Features

- For exhaust and supply.
- Made of stainless steel 304, polishing surface finish.
- With 11mm screen, lames, fixing clips, Rubber seals.
- Can be applied outside wall as well as inside.
- Packed in a transparent bag, including 2 stainless screws.
- Natural free air circulation.

VLA	A	B	C	\$
80	JS	103	40	36
100		133	52	36
125	120		52	18
150	145	192	62	12
160	151	192	62	12
180	175	253	65	12
200	195	253	74	12
	245	335	74.5	12

VLB
External vent Louvers



Features

- Made of stainless steel 304, polishing surface finish.
- With 11mm screen, lames, fixing clips, Rubber seals.
- Can be applied outside wall as well as inside.
- Packed in a transparent bag, including 2 stainless screws.
- Maximum air passage.

VLB	A	B	C	\$
80	75	131	40	36
100	97	131	52	36
125	120	165	52	18
150	145	192	62	12
160	151	192	62	12
180	175	251	65	12
200	195	253	74	12

VLC
External vent Louvers

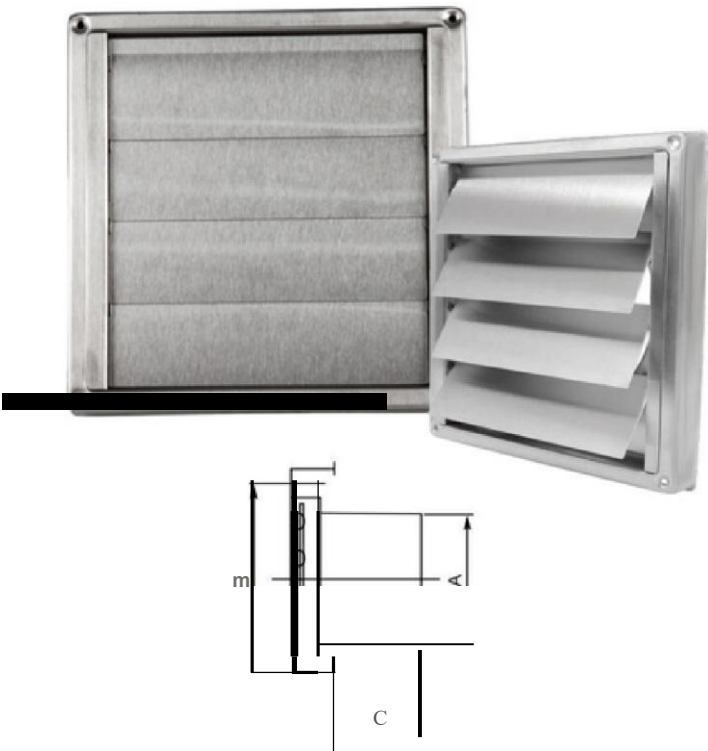


Features

- All stainless steel 304 construction.
- Perfect filling the reverse side air flow.
- Can be applied outside wall as well as inside.
- Packed in a transparent bag, including 2 stainless screws.
- Finish: polished.
- Accessory: neoprene, with sealing rubber.

VLC	A	B	C	\$
100	97	133	52	36
125	120	165	52	18
150	145	192		12

SMS
External vent Louvers



Features

- Made of stainless steel 304, polishing surface finish.
- Good adjusting features, quick and easy to install.

SMS	A	B	C	\$
100	97	137	52	
125	120	167	52	12
	145	167		12
200		225	62	12

*The cadre is made of stainless steel 304 profile.

SUA

External vent Louvers



Features

- Made of stainless steel sheet 304, polishing surface finish.
- Good adjusting means, quick and easy to install.

SUA	A	B	C	D
100	97	137	52	36
125	120		52	18
150	145		62	18

ELA

External vent Louvers



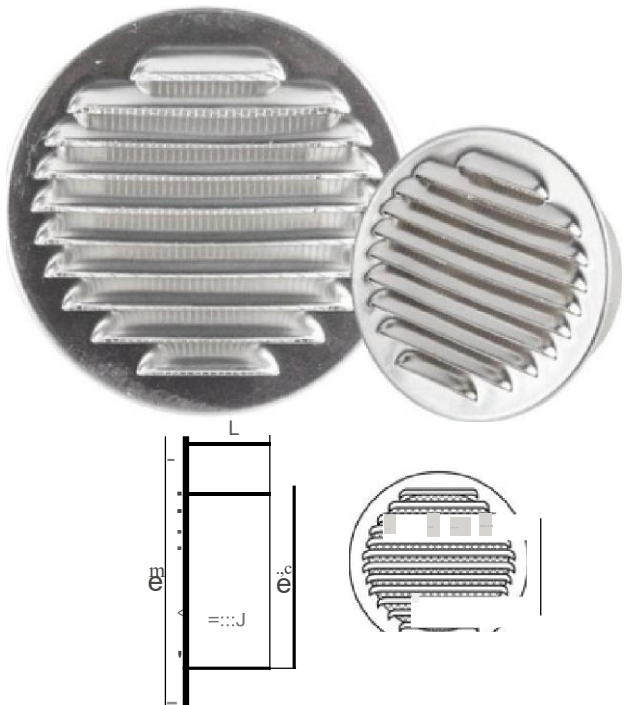
Features

- All stainless steel 304 construction.
- Excellent feature of anti-rust.
- Come with insect mesh.

ELA	A	B	C
100	120	165	52
125	145	192	52
150	155	192	52
160	155	192	52
200	195	253	52

ELB

External vent Louvers



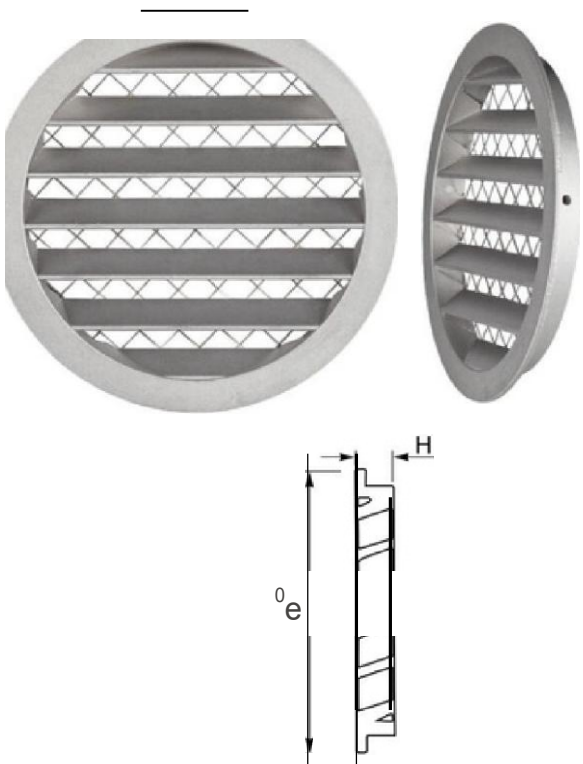
Features

- External louvre for air supply and exhaust.
- Made of pressed aluminium.
- Supplied with 11 aluminium mosquito mesh.

ELB	A	B	C
80	80	103	50
100	100	125	50
125	125	150	50
150	150	175	50
160	160	188	50
200	200	225	50
250	250	275	50
315	315	340	50

ELC

External vent Louvers

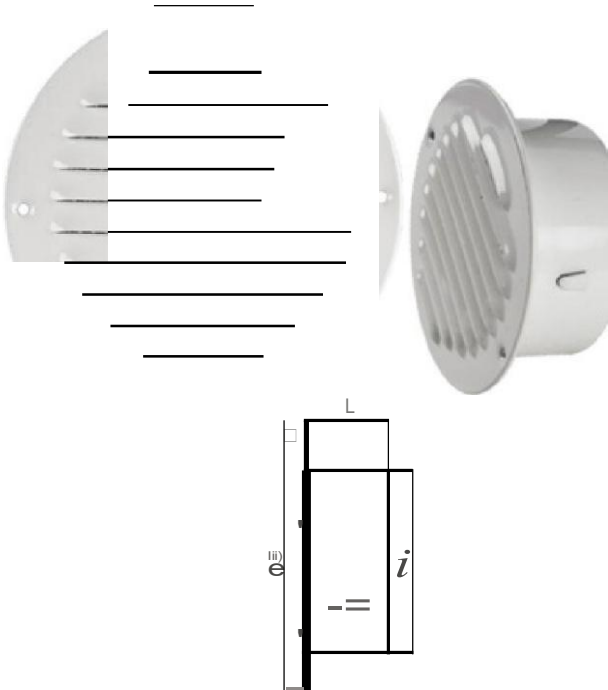


Features

- ELC is mainly used as an intake grille for fresh air.
- ELC is moulded of aluminium.
- It has a round connection which fits into the duct.
- The back of the grille is equipped with a stainless steel wirenet, as protection against small animals.
- Fixed with screws.
- Aluminum External Louver with insect screen
- Aluminum External Louver with insect screen

Size	ØD (mm)	H (mm)	Weight (Kg)
80	125	20	1.50
125	150	20	1.80
150	180	18	2.70
160	185	18	3.00
200	225	20	4.00
250	275	20	8.50
315	350	20	16.00
400	440	40	30.00

ELD
External vent Louvers



Features

- Used for supply and exhaust
- Made of pre-painted steel
- Powder coated, in color RAL 9010 or 9016.
- Insect mesh optional.
- All steel construction

ELD	A	E	I
100	100	125	50
150		180	50

ELN
External vent Louvers



Features

- All stainless steel 304 construction.
- Excellent feature of anti-rust.
- Come with insect mesh.

ELN	A	E	C
100	95	125	52
125	120		
150	145	185	
160	155	185	

| NOZZLES

5

JN-S

JN-T

RJD

JN-R

:

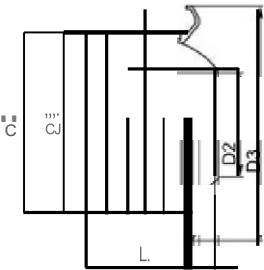
Jet Nozzle JN-5

Nozzles



Features

- The nonle and the de<oralive ring are manufactured in aluminium.
- Powder-coated surface rinisll, sumfard colour RAUI010, 9016.,
- The connection pHrt is made of gahronizedsteel sheet
- Illng diS&ne1iali1 supply with lownoise le.el.
- Used in supeMor places: c011cer1hall, airp,on, lh&al. muum etc,
- il.vallat)le in e)(ler,si erange ol size,



Specs	D1	D3	D2	D4	L	E	F	G
100	9S	148	,SO	70	85	8	8	6
125	123	170	,54	90	80	8	7	8
160	158	210	85	130	913	11	14	8
200	198	255	108,	160	m	8	11	12
250	2A8	311	13,6	208	10	11	15	13
315	310	381)	186	271)	160	9	13	20
400	396	417	230	350	182	11	11	SS
500	-492	SQ8	290	445	230	8	15	65
630	125	700	2115	585	29S	25	50	

Specs	The proper diameter of duct							
100	•							
125		•						
160			•	•	•	•		
200				•	•	•		
250				•	•	•		
315				•	•	•		
400					•	•		
500							•	•
630								

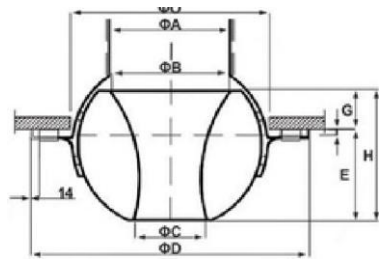
JN-T

Nozzles



Features

- Made of Aluminum, po"ilder coated in color RAL9010 or 9016
- Mount@do walls or directly on rectanguts11roi room! duds
- Suilabfe l!(r la;r9espaces like n lnc.incell hall. museums, l11eatre\$, s10iJlplng centers, airport!S etc
- The up lo 45degreespossibleinclLlation of the jet helpsdirecting the air(l the nighl places
- ThrGWs er more llan 20 meterscan be attlieved roun1inl ecikdiameters or 150mm.200mm.250mm,300mm.350mm



JN-T	A	B	C	D	E	F	H	I
150	125	120	70	235	73	40	111A	185
200	175	170	100	300	92	58	1150	235
250	225	210	130	350	1115	10	1185	285
300	250	2511	160	405	1142		2.16	335
	320	320	190	450	1170	70		380

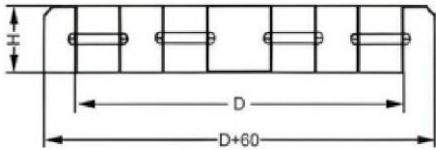
RJD

Nozzles



features

- Maclellhl. minum
- DeliYel large volumes of 11rdlllw at lDnll llrow and low noise lel-el, the duralional Jet rliAg1diffus:ers are most suitable 101 laige si espa es as 1healers. concert halls. airriorts, mu umsand enlerlainment facilities,
- Finish: Powder Coaleclin Color RAL9010 or 9016, other color on requ!/\$1.
- Neck size:l 50,200,250.300.31s,35(1.400



JN-R

Nozzles

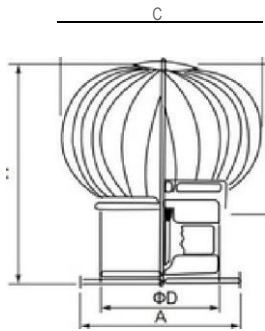


Features

- Madecfalwminum
- Oell er la,ge 'T'Olumes of airflow at long llrC>W and low noise lel-el, the duralional Jet Rin(l diffus:ers are mOIS1 11t1i1ab1101 laJesiz11spaces as 1heaters.concen halls, 1irpols, museums and @nlerlainm@nl facilitie.
- Finish: Powd Coalecl in Color RAL9010 or 9016. other color on request.
- Neck size-l: 50100.250.300.315,15(140C1

Turbovent Rotary Chimney cowl TB

Nozzles



Features

- Base made of galYaniz@d stee capmacle ol stainlesssteel or aluminium steel
- Formofancldtimneyappplication
- NSI< bearing, withhigh-temperarure oil
- Power free and greadyimprove llle natural Y@JUlaiion.
- Withor without square base

\$D/mm	A/mm	B/mm	C/mm	I-I/mm	Vane
1150	2.00	160	260	270	16
1200	2.50	220	300	300	118
1250	3.00	230	320	310	118
1300	3.50	250	350	330	22

FLEXIBLE DUCTS

Flexible Duct
Flexible Duct Accessories

Alu | Aluminum Non-Insulated Flexible Duct

Flexible Duct



Features

- Full range of flexible un-insulated multi-layer aluminum/polyester laminated ducting for HVAC applications
- Made of Multi-layered 1.1mm/polyester laminate with embedded flexible wire spring for different needs of operating temperature
- Ideal for use in general purpose exhaust applications and ventilation or central air-conditioning
- Maximum Velocity: 30 M/sec (6000 ft/min); Max air pressure: 2500 Pa W.G.

Properties	Alu 2.0	Alu 3.0	Alu 4.0	Alu 6.0
Diameter	80mm-610mm	80mm-610mm	80mm-610mm	80mm-610mm
Temperature	-30/+150°C	-30/+150°C	-30/+150°C	-30/+220°C
Max Air Velocity	30m/sec	30m/sec	30m/sec	30m/sec
Pressure	2500Pa	3000Pa	3000Pa	3000Pa
Standard Length	10m	10m	10m	10m
Padding	Individual carton	Individual carton	Individual carton	Individual carton
Layer	1 polyester & 1 aluminum	1 polyester & 2 aluminum	2 polyester & 2 aluminum	2 polyester & 4 aluminum

Certified Alu

Alu M1: Similar Structure as Alu 3.0 with different material - NFP 92-512 @ Certificated
BS 476 Class 1 Certificate

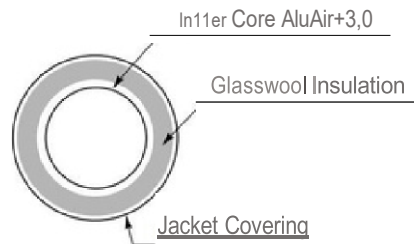
SONO | Aluminum Acoustic Insulated Flexible Duct

Flexible Duct

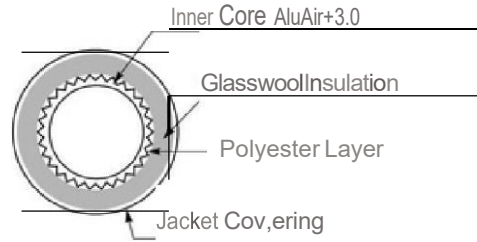


Features

- Full range of flexible acoustic thermal insulated ducting for preventing condensation and reducing noise when there's temperature difference in airflow of ventilation system
- Helpful for reducing heat & cool loss and preventing condensation
- Insulation: standard 16kg/m³ quality insulation glass wool and 32kg/m³ glass wool is also available
- Perforated aluminum/polyester lamination for reducing noise
- Packing: individual 120cm long carton packing & individual PE bag packing



SonoAir+3.0



SonoAir+J.OP

Properties	Sono 2.0	Sono 3.0	Sono 4.0	Sono 6.0
Inner duct	Alu 2.0	Alu 3.0	Alu 4.0	Alu 6.0
Outer Jacket	Alu Jacket 2.0	Alu Jacket 2.0	Alu Jacket 2.0	Alu Jacket 2.0
Polyester layer				
Diameter	80mm-610mm	80mm-610mm	80mm-610mm	80mm-610mm
Temperature	-30/+140°C	-30/+140°C	-30/+140°C	-30/+140°C
Max Air Velocity	30m/sec	30m/sec	30m/sec	30m/sec
Pressure	2500Pa	3000Pa	3000Pa	3000Pa
Standard Length	10m	10m	10m	10m

Properties	Sono 2.OP	Sono 3.OP	Sono 4.OP	Sono 6.OP
Inner duct	Alu 2.0	Alu 3.0	Alu 4.0	Alu 6.0
Outer Jacket	Alu Jacket 2.0	Alu Jacket 2.0	Alu Jacket 2.0	Alu Jacket 2.0
Polyester Layer	yes	yes	yes	yes
Diameter	80mm-610mm	80mm-610mm	80mm-610mm	80mm-610mm
Temperature	-30/+140°C	-30/+140°C	-30/+140°C	-30/+140°C
Max Air Velocity	30m/sec	30m/sec	30m/sec	30m/sec
Pressure	3000Pa	3000Pa	3000Pa	3000Pa
Standard Length	10m	10m	10m	10m

Certified SONO

Alu M1: Similar Structure as Sono 2.0 or Sono 3.0 with different material - NFP 92-512 @ Certificated
BS 476 Class 1 Certificate

ISO | Aluminum Insulated Flex-ble Duct

Flexible Duct



Features

- Full range of flexible thermal insulated ducting for preventing condensation when there's temperature difference in airflow of ventilation system
- Helpful for reducing heat & cool loss and preventing condensation
- Insulation: Standard 16kg/m³ quality insulation glass wool and 32kg/m³ glass wool is also available
- Packing: individual 120cm long carton packing or individual PE bag packing

Properties	ISO 2.0	ISO 3.0	ISO 4.0	ISO 6.0
Inner duct	Alu 2.0	Alu 3.0	Alu 4.0	Alu 6.0
Outer Jacket	Alu Jacket 2.0	Alu Jacket 2.0	Alu Jacket 2.0	Alu Jacket 2.0
Diameter	80mm-610mm	80mm-610mm	80mm-610mm	80mm-610mm
Temperature	-30/+140°C	-30/+140°C	-30/+140°C	-30/+140°C
Max Air Velocity	30m/sec	30m/sec	30m/sec	30m/sec
Pressure	2500Pa	3000Pa	3000Pa	3000Pa
Standard Length	10m	10m	10m	10m

Certified ISO

Alu M1: Similar Structure as ISO 2.0 or ISO 3.0 with different material - NFP 92-512 @ Certificated
BS 476 Class 1 Certificate

Cambi | Alu/PVC combined Flexible Duct

Flexible Duct



Features

- Combined with an aluminum/polyester laminate inner core and a mechanical resistant PVC layer, Cambi Air is good for some special industrial use such as for the exhaust of welding fumes

Properties	Cambi
Inner Core	Aluminum/PVC foil
Diameter	80mm-610mm
Temperature	-30/+141°C
Max Air Velocity	15m/sec
Pressure	2500Pa
Standard Length	10m
Packing	Individual, carton

PVC/PV Fabric Flexible Duct

Flexible Duct



Properties	PVC	PVC Fabric
Inner Core	PVC foil	PVC foil/glass cloth
Diameter	80mm-610mm	80mm-670mm
Temperature	-30/+141°C	-30/+175°C
Max Air Velocity	30m/sec	30m/sec
Pressure	2500Pa	2500Pa
Standard Length	10m	10m
Individual carton		

semiRigid Alum Duct

Flexible Duct



Features

- Thicker material is used in manufacturing to offer greater strength and temperature rating.
- Supplied in a compressed length this form of flexible ducting has the unique expanding design that allows efficient fitting; it holds its shape and full diameter when expanded.
- Ideal for straight and indirect venting installations from both dryers, range hoods, air handlers and other general industrial applications.
- To gain maximum length, use both hands to pull in sections from the center-out 10 either end
- Temperature rating -70°C to +50°C
- Diameter / Length / Thickness: 60mm-254mm / 1 M-101.1 / 0.09mm-0.12mm

Metalized Polyester Air Duct

Polyester Flexible Duct series



Features

- Made of polyester foil and one layer of metalized polyester which is longer and more efficient in its insulation and is good for ventilation system
- Size: 80mm-610mm
- Length: 7.1m/hm/Jm
- Temperature range: -211/+80 °C
- Operating pressure: -190 to +200Pa

Polyester Insulated flexible Ducting

Polyester Flexible Duct series



Features

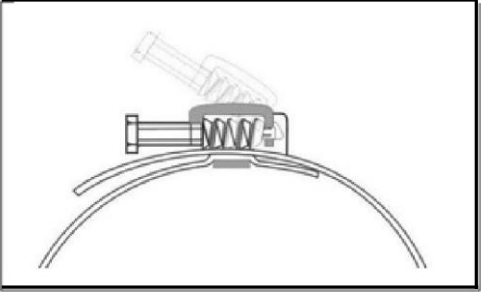
- Metalized Outer Jacket & Inner Core
- Size: 80mm-610mm
- Length: 3m/6m/7.1m (25ft)
- Operating Temperature: -211/+80 °C
- Operating Pressure: -190 to +200Pa
- 0.6 mm RLO Polyester Insulation

Preformed Speed Clamps

Flexible Duct Accessories



Speed Clamp



Features

- Made of 9mm stainless steel strip, with suitable profiled edge, preventing duct damage during fitting.
- Ideal for all types of flexible duct and suitable for different size with different length strip.

Type	Max. Dia
SCP090	061-1000mm
SCP110	60-110mm
SCP135	60-135mm
SCP165	DW-165mm
SCP180	60-180mm
SCP215	060-215mm
SCP230	60-230mm
SCP32S	110-325MM
SCP380	060-380mm
SCP440	060-440mm
SCP52S	61-525mm
SCP630	110-660mm

ClampBand

Flexible Duct Accessories



Features

- Comes With a hand-pull container having 30m strip inside and with multi clamp, you may cut it to any size fitting different size flexible ducts.
- Band: 9mm width, 0.6mm thickness width rounded edges, incl smooth underside or handling.
- Size: 30m/band
- Packing: 10 bands/carton

Locking Devices(MultiClamps)

Locking Devices

Features

- Size: 511pcs/bag
- Packing: 10 bags/carton



Nylon Clamps

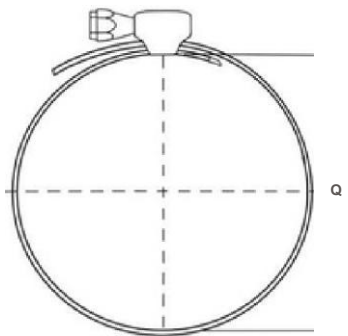
Locking Devices



Length	Width
380mm	5mm
500mm	8mm
550mm	10mm
650mm	10mm
800mm	10mm
920mm	10mm
11,88mm	10mm

American TypeHose Clamp

Flexible Duct Accessories



Features

- This clamping band is made of a strip of galvanized sheet or stainless steel.
- Steel strip width: 8mm 12.7mm or 14.2mm.
- The band is necessary for connecting flexible hoses with moldings, connections, nozzles, etc. Pre-shaped edges of the band prevent damage during its installation and assembly.
- The band has a worm clamp that guarantees a light and durable connection.

Ø1mm	Clamp
19-26	3/4-1113
20-32	3/4-1111
23-35	8/9-111<1
25-0	1-1 5/8
28-48	13/32-17/8
30-45	1116-1 3/4
32-50	1114-2
40-60	1 5/8-2318
44-64	1 3/4-2 112
50-70	2-2 3/4
60-80	2 3/8-31/8
70-90	2 3/4-3 112
8-100	3118-4
90-110	3112-4 3/8
100-120	4-4 3/4
110-130	4 3/8-5118
115-135	4 3/8-51/8
120-140	4 1/4-51/2
130-150	5 1/8-5 7/8
140-160	5 1/2-6114
146-164	5 1/2-6114
150-170	5 3/8-6 314
160-180	6 5/16-7 1/2
170-190	6 3/4-7 1/2
180-200	7 1/16-7 7/16

VENTILATION CLAMPS

7

SCP-A

SCP-B

SCP-C

SCP-D

SCP-E

SCP-F

SCP-P

Suspension Band

TRS

SCPA

VentilationClamp



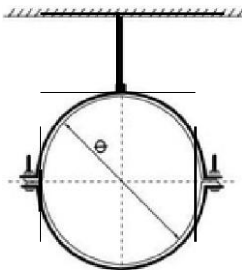
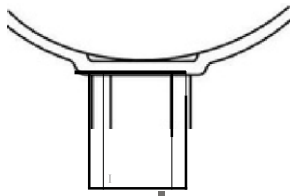
- Features
- Galvanized Steel Spiral Clamps

SCP B

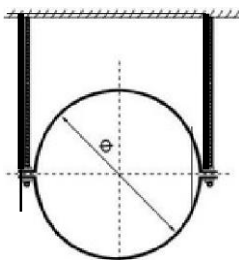
ventilation clamp



- Features
- Spiral Clamps with Rubber



SYSTEM I

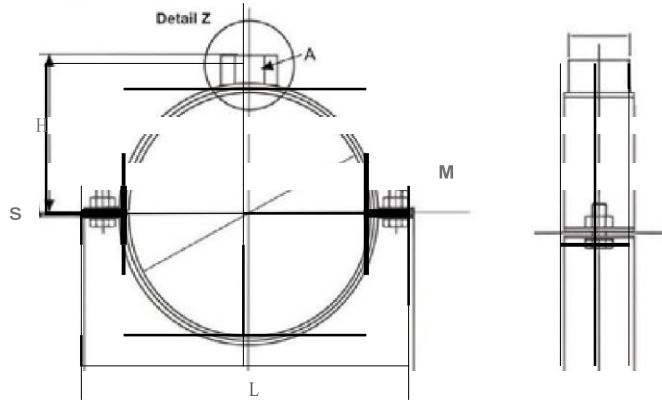


SYSTEM II

SCP A/B	lb	Pcs/ctn	System
80mm		61D	
100mm		60	
125mm		60	
151.1mm		60	
180mm		61D	
200mm		60	
225mm		61	
250mm		60	
280mm		60	
300mm		60	
315mm		61	
330mm		60	
350mm		60	
400mm		60	
450mm		60	II
500mm		60	III
550mm		60	II
600mm		60	II, III
700mm		60	II
800mm		60	II

SCP-E

Pipe Clamp



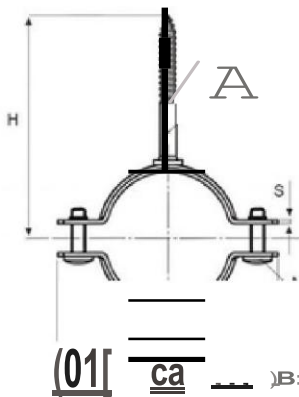
Features

- Used for mounting of pipes to the walls (vertical / horizontal), ceilings and floors
- M8 or M10 Hex Nut for hanging
- Rubber lining for noise & vibration reduction
- Easy installation through Phillips combination screw
- Electro galvanized for corrosion resistance

SCP-E	D	L	S-B	W	M	A
1/8"	8-11	50	1.5"20	16.5	M6	MS
1/4"	11-15	50	1.5"20	18	M6	MS
3/8"	16-20	61	1.5"20	19.5	M6	M8
1/2"	20-24	63	1.5"20	22	M6	M8
3/4"	25-28	69	1.5"20	24	M6	M8
1"	32-35	71	1.5"20	28	M6	M8
1 1/4"	31-46	84	1.5"20	31	M6	M8
1 1/2"	48-53	92	1.5"20	35	M6	MS
1 3/4"	51-66	105	1.5"20	41.5	M6	M8
2"	74-80	123	2.0"25	52	M6	M10
2 1/2"	87-94	134	2.0"25	56	M6	M10
3"	110-114	158	2.0"25	68	M6	M10
3 1/2"	135-143	182	2.0"25	81	M6	M10
4"	162-170	205	2.0"25	95	M6	M10
4 1/2"	207-219	243	2.0"25	112.5	M6	M10

SCP-F

Pipe clamp with screw



Features

- Used for mounting of pipes to the walls (vertical/horizontal) ceilings and floors
- Plastic plug should be used for fixing
- Easy and safe assembly through Phillips combination screws
- Side screws are protected against loss during assembly and delivery with the help of plastic washers

SCP-F	D	L	S-B	W	M	A
1/2"	20-24	61	1.5"20	93	M6	1.18"80
3/4"	25-28	63	1.5"20	94	M6	1.18"80
1"	32-35	69	1.5"20	95	M6	1.18"80
1 1/4"	39-41	79	1.5"20	101	M6	1.18"80
1 1/2"	48-53	84	1.5"20	111	M6	1.18"80
2"	59-66	92	1.5"20	127	M6	1.18"80
2 1/2"	74-80	110	1.5"20	147.5	M6	1.18"80

SCP C

ventilation Clamp



- Features
- Galvanized Steel Spiral Clamps
 - Size: 80mm-1000mm
 - Flat steel strip and all coming at system II, no threaded bush, no screw

SCP D

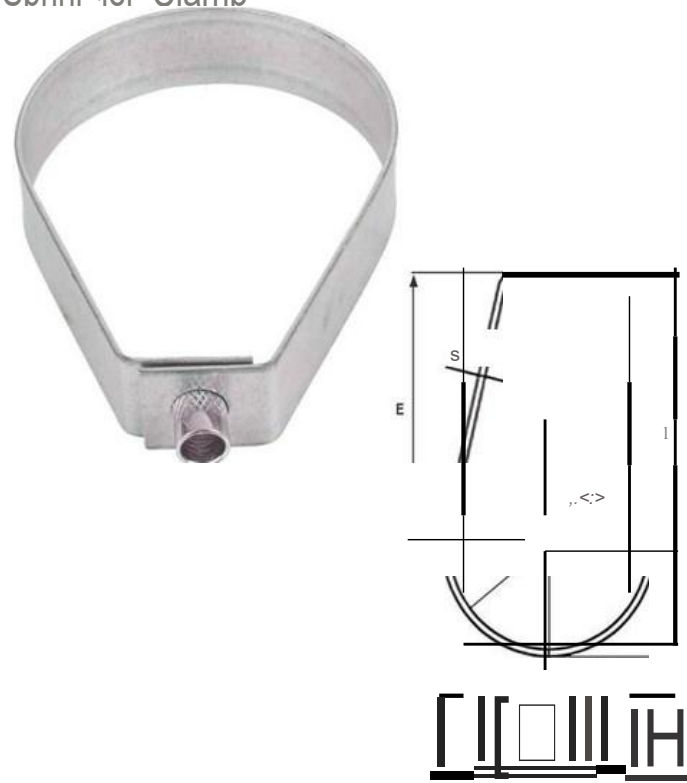
ventilation Clamp



- Features
- Galvanized Steel Spiral Clamps with Rubber
 - Size: 80mm-800mm
 - Flat steel strip and all coming at system II, no threaded bush, no screw

SCP-P

Sprinkler Clamp



Features

- Made of galvanized steel
- Used for freely hanging of horizontal pipe lines sprinkler system installations & fireextinguishingsystems
- Height adjustment throughthreaded rods

SCP E cl	D	L	S*11	E	M/d
3/4"	30	71	1,5*25	54.5	M10.5
1"	36	83	1,5*25	63.5	M10.5
1 1/4"	46	95	1,5*25	70.5	M10.5
1 1/2"	52	103	1,5*25	75.5	M10.5
2"	66	118	1,5*25	83.5	M10.5
2 1/2"	78	142	2,5*25	100.5	M10.5
3"	92	166	2,5*25	117.5	M10.5
4"	116	204	2,5*25	143.5	M10.5
5"	142	249	3,0-25	175	M13
6"	170	284	3,0-25	196	M13
8"	222	376	3,0-25	262	M17
10"	275	498	3,0-25	357.5	M17

Terrace Roof stand TRS

Sprinkler Clamp



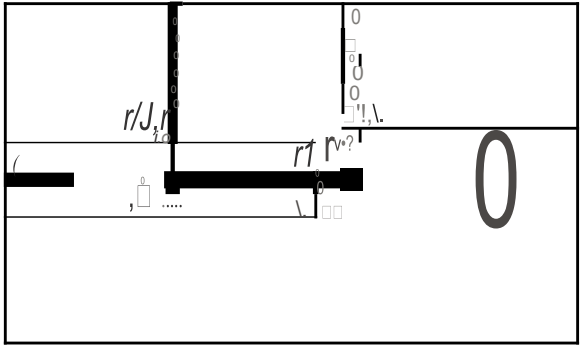
Features

- Galvanisedsteel construction.
- Height adjustablefeet.
- 150x100mmor 300x300mm baseplate.



Multi-hole Perforated Band

suspension Band



suspension band



Features

- Made of galvanized perforated steel with assorted holes, which selected according to the type, allow fixing of threaded rods, threadedclamps, bolts, etc. The small holes canbeused with rivets, screwsor nails.

Width x Thickness	Roll Length
mm	m
17x0.6/0.8/1.0	10/25
20x0.6/0.8/1.0	10/25
25x0.6/0.8/1.0	10/25

Features

- Made of galvanizedperforated steel, which selected according to the type,allow fixingof threaded rods, threaded clamps,bolts, etc.
- Packing:PlasticBox

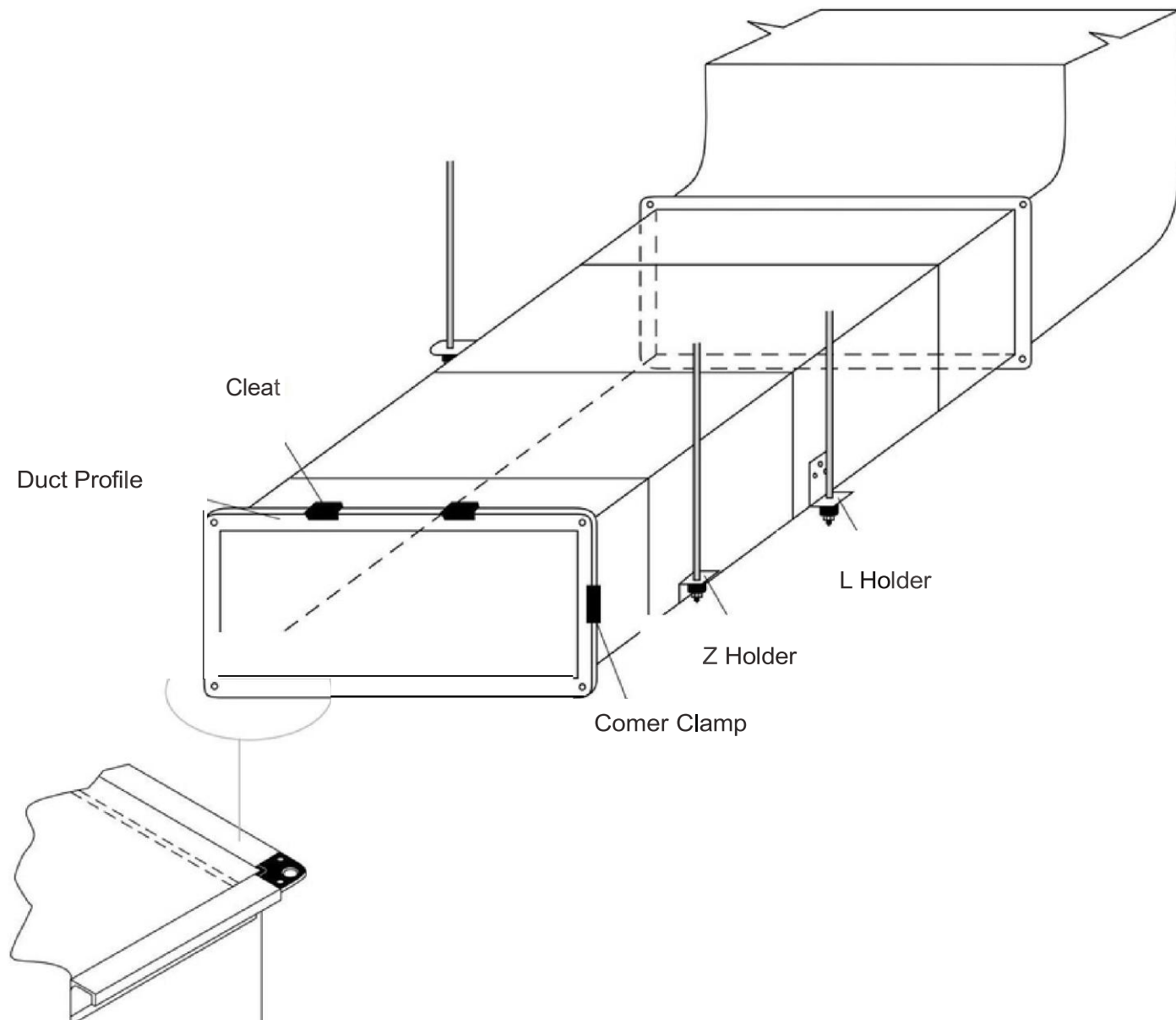
Width x Thickness	RollLength
mm	m
12X0.6	10
17X0.6	10



DUCT PROFILE&CONNECTING ACCESSORIES

8

Duct Profile Accessories
Duct Connecting Accessories



corner

Duct Profile&Accessories

Features

- Galvanized steel
- Corners are available in aluminum & stainless steel
- Size: H20, H30, H35, H40, TOC, TOF, Two-pcs type



corner Clamp

Duct Profile&Accessories



M8*22 OR M8*25 BOLT

Thickness

2.5mm
3.0mm

Packing

300 Pcs/Ctn
300 fcs/Ctn

RS type corner Clamp

Duct Profile&Accessories



Features

- Bolt M12x25mm

Cleat

Duct Profile&Accessories



C130

C Cleat

Features

- material: galvanized steel

Size

CL30
C Cleat

Material

galvanized
aluminium
:S/S

Holder

Duct Profile & Accessories



Threaded Rod

Duct Profile & Accessories



Features

- Made from mild steel or zinc plated.
- In 1, 2 or 3 meter lengths.
- Sizes: M3, M4, M5, M6, M8, M10, M12, M14, M16, M18, M20, 11122, M24, M27, M30, M33, M36, M39

Beam Clamp

Duct Profile & Accessories



Features

- Galvanized beam clamp for fixing threaded rods to metal profiles.
- Sizes: M3, M5, M10

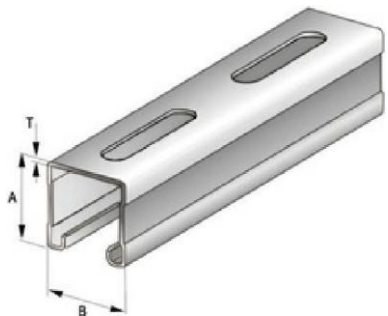
casting Pins for radius splitters

Duct Profile & Accessories



strut Channel

Duct Profile & Accessories



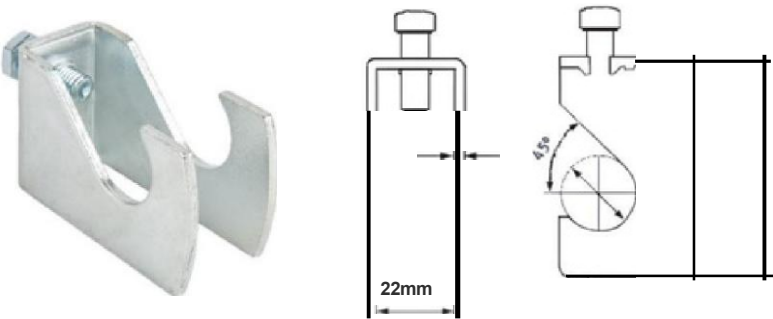
Features

- Material: Galvanized, aluminum or stainless steel

B	A
41	21
41	41
62	62

Stiffening steel Rod cross(PC)

Rectangular duct stiffeners

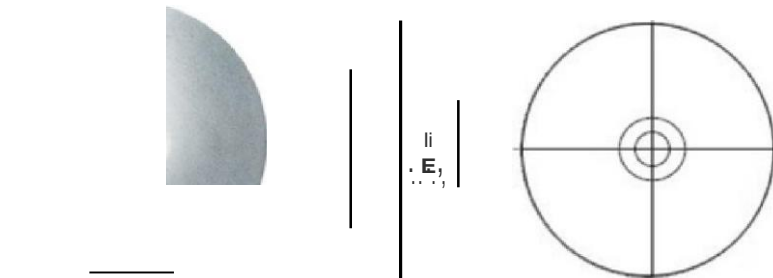


Features

- Designed for connection of big diameter stiffening pipes. Made of 3mm galvanized steel.

Stiffening Rod washer(R1)

Rectangular duct stiffeners



Features

- Used for stiffening of big diameter rectangular ducts. Prevents deformation of the duct, when the stiffening is installed.
- Made of 11.7mm thick galvanized steel.
- Epoxy 119 for nut.

ductFlexible connector

Duct connecting Accessories



Features

- Made of metal and fire-retardant fabric with PVC m silicone coating
- Help to prevent transmission of vibration and noise between air treatment group and ductwork
- Temperature range from -30°C to +280°C according to the fabric used

Standard Size

Size	External	Internal
35mm	60mm	35mm
46mm	60mm	45mm
45mm	70mm	45mm
70mm	70mm	70mm

Fabrics

Type	Material	Material
Name	Vinyl Nylon	Silicone Fiberglass
Base Cloth	Polyester	Fiberglass
Coating	PVC	Silicone
Fabric Color	Black	Black
Fire Resistance	No	Yes
Temperature	-30 to +280 °C	-30 to +280 °C



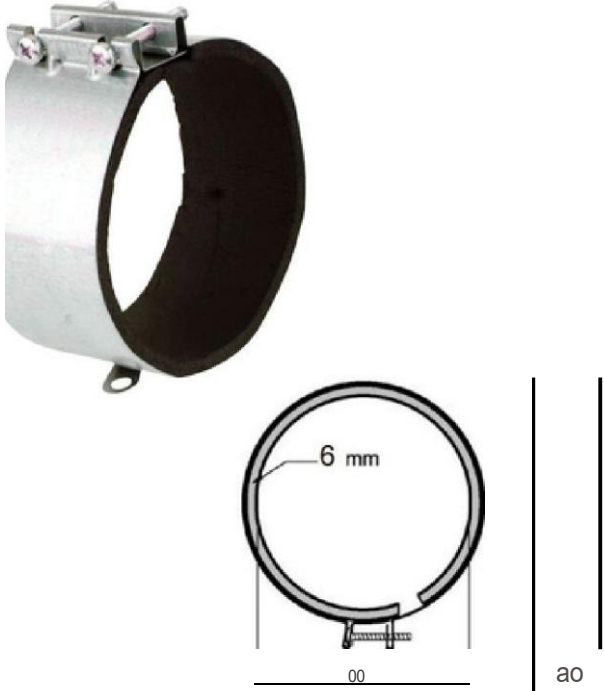
Pipe/Fan Clamp connector

Duct connecting Accessories

Features

- A quick-fix metal tool for connecting fans to ducts, reducing vibration transmission.
- Make the sealing and cleaning of fans much easier.
- Made from galvanized steel and lined with a 6mm neoprene lining.
- Clamped together by 2 screws which allow for small differences in dimension.
- Suitable for use in pairs.

Size	Internal
100	100
125	125
150	150
160	160
250	250
315	315
400	400



Mounting Flange

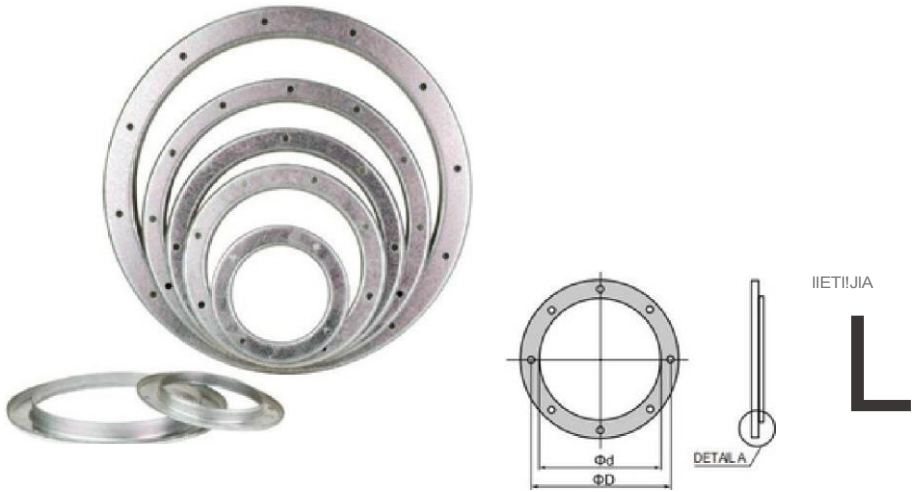
Duct connecting Accessories



Features

- Manufactured of galvanized steel sheet.
- Used for fans installation

d	D
80	110
100	130
125	155
150	181
160	195
200	235
250	285
315	350
355	390
400	445
500	545



Self-Adhesive Pins

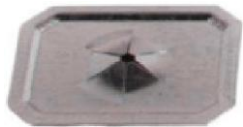
Duct connecting Accessories

Features

- Unthreaded pins: 19mm, 25mm, 32mm, 42mm, 51mm, 63mm, 76mm, 89mm, 105mm, 114mm, 125mm, 140mm, 165mm
- Galvanized steel with self-adhesive base 50 x 50 mm (2" x 2") of acrylic coated white closed cell polyethylene foam backing (plain and reinforced backing are both available)
- Zinc plated steel pins with lengths from 19 to 203 mm (3/4" to 8")
- Fastening clips with bevelled edges and standard outside diameter 30 mm (1 1/8")
- Protective nylon caps which come as strip or 10 pieces



Protective Nylon caps
10 pcs/strip and
1000 pcs/bag



Fastening Clips
1000 pcs/bag

PCO-B

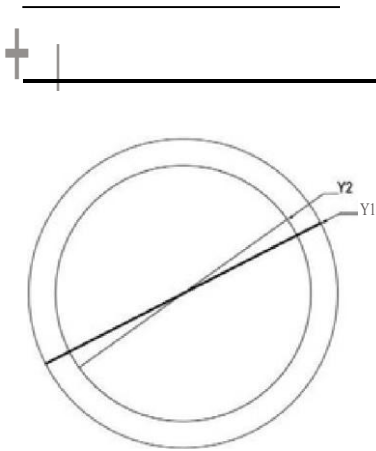
Duct connecting Accessories



- Features
- Collars made of steel.
 - Connect the plenum box with the pipes.
 - Available in the dimensions below; 100,125,150, 160,200,250, 300,350mm

DUCT PRESSED FITTING STRAIGHT BRANCHES

Duct connecting Accessories



- Features
- Material: Galvanized steel

DUCT PRESSED FITTING STRAIGHT BRANCHES		V1	V2
80	10D	45	78.5
100	120	45	9M
115	145	45	123.S
150	110	45	148.5
160	191	15	158.S
200	231	15	198.5
250	281	45	2A65
315	348	45	313.S

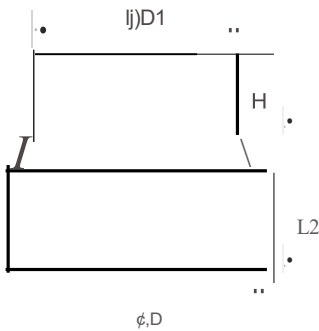
DUCT PRESSED FITTING REDUCER

Duct connecting Accessories



- Features
- Material: Galvanized steel
 - Accessory for rubber sealing

DUCT PRESSED FITTING REDUCER	H1	H2	D1	D2
RC100-80	45	55	78.5	98.5
RC125-80	45	55	78.5	123.5
RC125-100	45	55	98.5	123.5
RC150-80	45	55	78.5	148.5
RC150-100	45	55	98.5	148.5
RC150-125	45	55	m.s	148.5
RC160-H	45	55	78.S	158.S
RC160-100	45	55	98.5	158.S
RC160-125	45	55	123.5	158.5
RC160-150	45	55	148.S	158.5
RC180-125	45	55	123.S	178.5
RC180-150	45	55	148.S	178.S
RC180-160	45	55	158.5	178.5
RC200-100	45	55	98.5	198.5
RC200-125	45	55	123.5	198.5
RC200-150	45	55	148.5	198.5
RC200-160	d5	55	158.5	198.5
RC200-13G	d5	55	178.5	198.S
RC250-100	45	55	98.5	248.5
RC250-125	d1i	55	123.5	248.5
RC250-150	45	55	148.S	248.5
RC250-160	45	55	158.S	248.5
RC250-180	45	55	178.S	248.5
RC250-200	45	55	178.S	248.5
RC300-20D	45	55	198.S	298.5
RC300-250	45	55	248.5	298.5
RC315-160	45	55	158.5	373.5
RC315-20J	45	55	198.5	373.5
RC375-2511	45	55	248.5	373.5



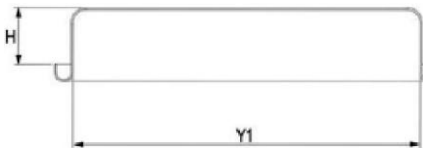
DUCT PRESSED FITTING END CAP

Duct connecting Accessories



Features

- Material: Galvanized steel



DUCT PRESSED FITTING END CAP

	V ₁	H
100	98.S<	21
125	123.5	21
ISO	148.S	21
1&O	158.5	21
WO	198.S	21
250	248.5	21
315	113.S	21
350	34B.5	21
400	198.5	21

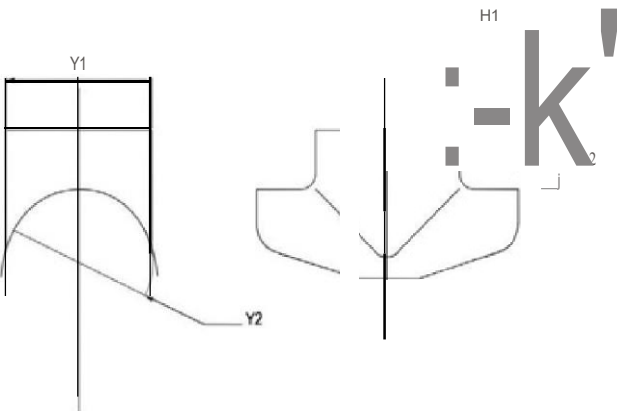
DUCT PRESSED FITTING SADDLE

Duct connecting Accessories



Features

- Material: Galvanized steel
- Accessories: rubber sealing



DUCT PRESSED FITTING SADDLE

	V ₁	V ₂	H ₁	H ₂
100-100	98.□	100	4□	40
100-125	98.S	125	40*	40
100-160	98.S	HO	40	40
101}200	98.S	200	40	40
125-125	123.5	125	40	40
125-160	123.5	160	40*	40
125-200	123.5	200	40	40
125-250	123.S	250	40	40
150-150	148.5	150	40	40
160-160	158.5	160	40	40
160-200	158.5	200	40	40
200-200	198.5	200	40	40

DUCT PRESSED FITTING BENDS

Duct connecting Accessories



Features

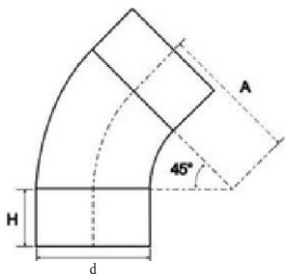
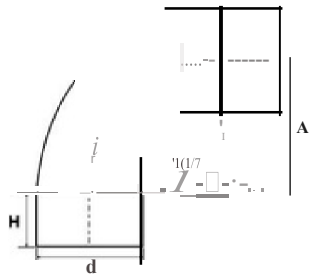
- Material: Galvanized steel
- Accessories: rubber sealing

DUCT PRESSED FITTING BENDS

	V ₁	A	H
80	78.9	100	40
100	98.9	100	40
125"	123.9	125	40
150	148.9	150	40
1M)	158.9	160	40
ISO	178.9	180	40
200	198.9	200	40

features

- Material: Galvanized steel
- Accessories: rubber sealing



DUCT PRESSED FITTING BENDS

	V ₁	A	H
80	78.9	100	40
100	98.9	100	40
12S	123.9	12.5	40
1□(I	148.9	150	40
160	158.9	160	40
180	178.9	180	40
WCI	198.9	200	40

Access Door CAD/CAD-S/FAD/FAD-S
Ceiling Access Door



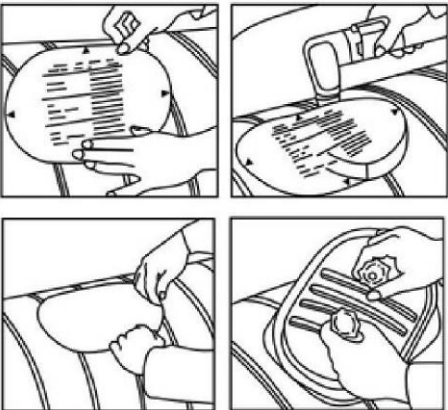
CAD/CADS

Size	Dia
180mmx80mm	•125
250mmx150mm	ISO/160
250mmx150mm	180/1200
250mmx150mm	31DOJ311i
250mmx150mm	3501355
250mmx150mm	□0/\$1()
300mmx200mm	315,
300mmx200mm	35□
300mmx200mm	400
300mmx200mm	450+
300mmx200mm	500+
400mmx300mm	400,
400mmx300mm	450
400mmx300mm	500+
400mmx300mm	56□
400mmx300mm	630+
400mmx300mm	710/MO

FAD/FADS

Size
200mmx100mm
300mmx150mm
300mmx200mm
400mmx300mm
500mmx300mm
500mmx400mm
600mmx500mm

Usage

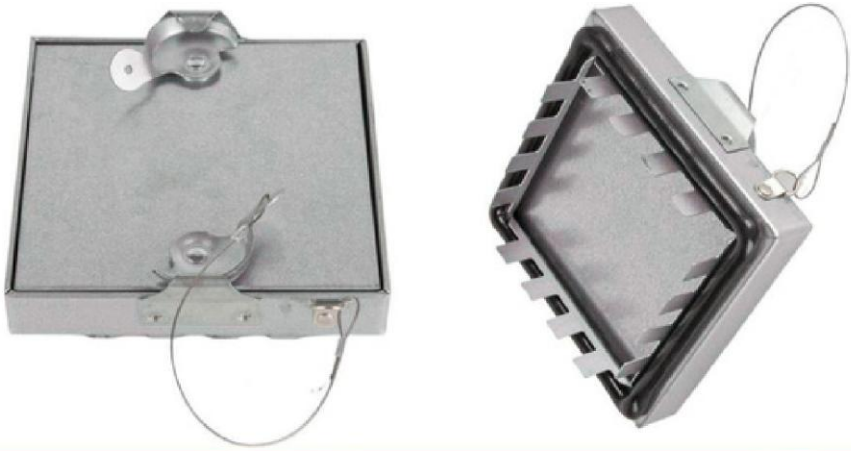


1. Stick self adhesive plate on duct surface with access door.
2. Cut out aperture with tolerance of +1mm.
3. Apply the SRE gasket so that the duct wall fits in the pocket.
4. Install access door by unscrewing the hand knobs until the threads level with the top of the door, using both hands place the door in the hole and then straighten and pull it slightly to align, and then tighten knobs.

"FAD-Shu" similar usage and structure.

Insulated AccessDoor for Rectangular Ducts-RAD

Ceiling Access Door



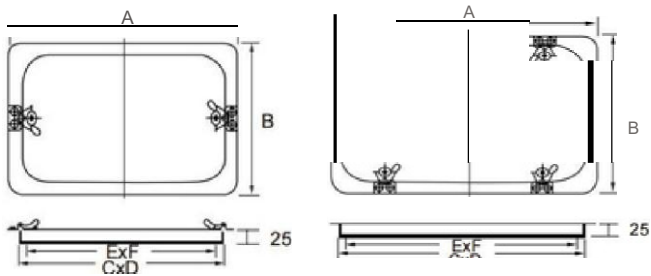
Size	Size	Size
100mmx100mm	300mmx200mm	500mmx500mm
150mmx150mm	300mmx300mm	600mmx600mm
200mmx125mm	400mmx400mm	600mmx400mm
200mmx200mm	400mmx400mm	600mmx450mm
250mmx250mm	450mmx450mm	600mmx600mm
300mmx150mm	<150mmx450mm	

Access Door for Rectangular Ducts ISR

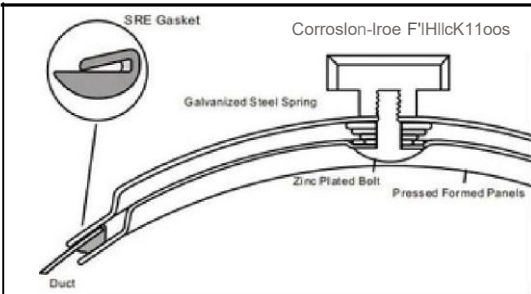
ceiling Access Door



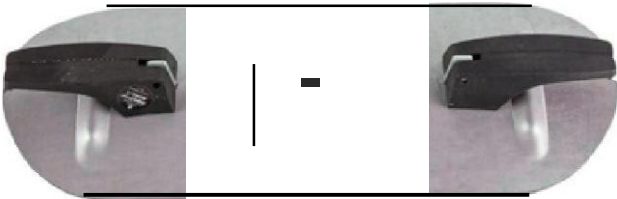
Code	AXB	CXD	EXF
	mm	mm	mm
ISR 250X150	290X200	240X150	205X115
ISR380X250	420X290	375X240	330X200
ISR 510X3110	550X420	500X370	465X330
ISRMIOXSIO	700X550	650X500	610X465



Structure

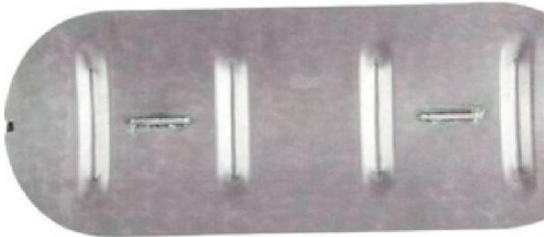


QAD
Ceiling Access Door



Features

- Made of Galvanbed Steel
- Quick installation and removal by 2 knots
- Align PU gasket on inner panel
- used for Round Duct



Duct size	Opening size mm
100.100mm	
200.315mm	30CU:1101I
4(10-500mm	40012(1(1
ij30-1250mm	500)-400

| TAPES

9

Aluminum Foil Duct Tape
AFSK
Aluminum-glass
Aluminum Foil Scrim Tape
Duct Cloth Tape
Gasket Tape

AF Aluminum Foil Duct Tape



Features

- Manufactured from 1 mil aluminum foil with 1:1 melt or acrylic adhesive
- Size:
Width: 48mm, 50mm, 63mm, 75mm, 100mm
Length: 30m, 30Yds, 40m, 40Yds, 50m, 50Yds
- Packing: 2" tape-24rolls/ctn; 3" tape-16rolls/ctn; 4" tape-12rolls/ctn

Properties	AF30	AF41	AF50
Foil Backing	30micron	40micron	50micron
Adhesive System	Acrylic / Rubber	Acrylic / Rubber	Acrylic / Rubber
Peel Adhesion	2Q, 2SN/25.4mm	2Q, 2SN/25.4mm	2Q, 2SN/25.4mm
Rolling Tack	<20cm	<20cm	<20cm
Temperature Range	-10°C - +110°C	-10°C - +90°C	-10°C - +90°C

ALUMINUM FOIL-SCRIM TAPE



Features

- Manufactured from Mesh Type Composite AL Foil Base with acrylic adhesive
- Width: 48mm, 50mm, 63mm, 75mm, 100mm
- Length: 30m, 30Yds, 40m, 40Yds, 50m, 50Yds
- Packing: 2" tape-24rolls/ctn; 3" tape-16rolls/ctn; 4" tape-12rolls/ctn

Property	
Peel Adhesion (11/110-)	15N/25.4mm
Adhesive System	Acrylic / Rubber
Rolling Tack	<21Dcm
Temperature Range	-20°C - 120°C

AFS Aluminum Reinforced Tape



Features

- Manufactured from reinforced aluminum foil with scrim & kraft backing
- Width: 48mm, 50mm, 63mm, 75mm, 100mm
- Length: 30m, 30Yds, 40m, 40Yds, 50m, 50Yds
- Thickness (Foil-Scrim-Kraft Backing): 120micron
- Packing: 2" tape-24rolls/ctn; 3" tape-16rolls/ctn; 4" tape-12rolls/ctn

Properties	AFS07
Foil-Scrim-Kraft Backing	720micron
Adhesive System	Acrylic / Rubber
Peel Adhesion	2Q, 2SN/25.4mm
Rolling Tack	<20cm
Temperature Range	-10°C - +90°C

Cloth Duct Tape



Features

- Polyethylene coated textile fabric with adhesive, 11 mils thick
- Size:
50mm*50m
75mm*50m

AFG Aluminum-Glass Cloth Tape

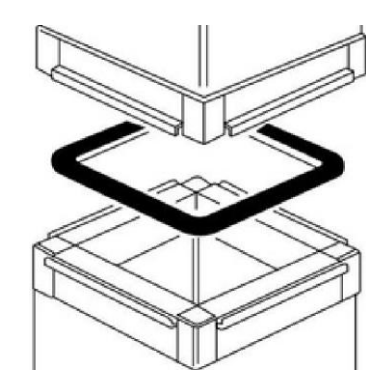


Features

- Manufactured from reinforced aluminum foil with Glass Cloth backing
- Width: 48mm, 50mm, 63mm, 75mm, 100mm
- Length: 30m, 30Yds, 40m, 40Yds, 50m, 50Yds
- Packing: 2" tape-24rolls/ctn; 3" tape-16rolls/ctn; 4" tape-12rolls/ctn

Properties	AFG
Aluminum-Glass cloth back.	150micron
Adhesive System	Acrylic / Rubber
Peel Adhesion	2Q, 2SN/25.4mm
Rolling Tack	<20cm
Temperature Range	-10°C - +90°C

Closet Tape



Features

- Size:
5mmx12mmx15m
5mmx15mmx15m
5mmx18mmx15m
5mmx2.5mmx15m
5mmx50mmx15m

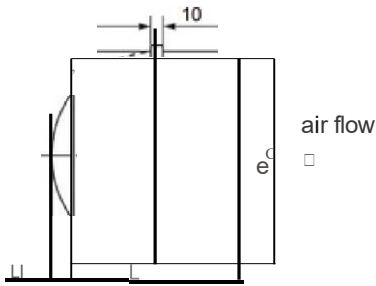
| DAMPERS

10

Dampers
Damper Regulation Hardware

PVA

Pressure Relief Damper (Back Draught Shutters)



Features

- The pressure relief valve PVA is used for preventing the reverse of air flow in circular duct systems.
- The casing of PVA is made from galvanized steel the blades are made of aluminium.
- With a 1mm foam seal for better light, less and noise reduction.
- The valve opens when overpressure occurs and closes by means of spring when the pressure drops.
- It is recommended to install the shutter into horizontal ducting.

Model	ØD	L1	L
PVA 100	99	6	88
PVA 125	124	19	88
PVA 150	149	31	88
PVA1611	159	36	88
PVA200	199	56	88
PVA 2511	249	61	128
PVA315	314	94	128
PVA 355	354	65	198
PVA4011	399	64	198
PVA 450	449	80	248
PVA500	499	107	248

IRIS

Rectangular back draught shutter



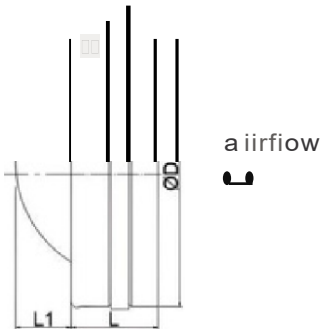
Features

- New type of blade, a better airtightness sealing and easier control in size.

Type No	Air flow		Dimensions			
	min m³/h	Max m³/h	mm			
	35dB(A)	55dB(A)	d	D	L	A
InB100	40	270	99	1165	110	30
InB1125	60	400	124	1188	110	30
InB160	120	1100	159	230	110	30
InB200	270	1100	W9	285	110	SO
InB250	280	1600	249	S35	135	35
InB315	400	2500	314	410	735	35

PVC

Pressure Relief Damper (Back Draught Shutters)



Features

- Pressure Reducing Valve PVC is used to prevent backflow of air in round ductwork.
- The housing is made of galvanized sheet stock stretched and the blade is made of aluminium.
- Sealing method: Sealed by self-lubricating sleeve with good sealing performance.
- When overpressurized, the valve is opened by pressure and when the pressure drops the valve is closed by spring force.
- It is recommended to install the shutter in the horizontal pipeline.

Model	ØD	L1	L
PVC100	99	6	46
PVC125	124	19	46
PVC150	149	31	46
PVC160	159	36	46
PVC200	199	56	46

e Type (with BD regulator)

one Blade ventilating Damper



C Type(with Stand off regulator)

one Blade ventilating Damper



P Type(with PSR regulator)

one Blade Ventilating Damper



Damper with rubber gasket

one Blade ventilating Damper



DR-I{

Damper Regulating Hardware



features

- Includes:
 - Handle
 - Shari clip bearing
 - Loog clip bearing
 - Wing nut and washer
- Packing: 100 sets per carton

DR-M

Damper Regulating Hardware



features

- For damper up to: 250 mm (10 inch) diameter
- Includes:
 - Handle
 - Wing nut, washer & trim
 - Spring loaded spindle
 - threaded spindle
- Packing: 100 sets per carton

DR114

Damper Regulating Hardware



features

- For damper up to: 250 mm (10 inch) diameter
- Includes:
 - Original part with handle
 - Wing nut, washer & bolt
 - 1/4 inch spring loaded spindle
 - 1/4 inch square spindle
- Packing: 100 sets per carton

DR38

Damper Regulating Hardware



- Features**
- For dampers up to: 500 mm (20") Diameter
 - Set Includes:
 - Dial parts with handle
 - Wing nut, washer II, bolt
 - 3/16" spring loaded spindle
 - 3/8" square spindle
 - Packing: 50 sets per carton

DQS12

Damper Regulating Hardware



- Features**
- For dampers up to: 700 mm (30") Diameter
 - Set Includes:
 - Quadrant
 - Handle
 - Wing nut, washer II, bolt
 - 1/2" Square spindle
 - 1/2" Round spindle
 - Packing: 50 sets per carton

MQS12

Damper Regulating Hardware



- Features**
- For multi-blade dampers with round shaft of 12 mm (1/2") diameter.
 - Set Includes:
 - Quadrant
 - Handle
 - Wing nut, washer & bolt
 - Packing: 50 sets per carton

BD

Damper Regulating Hardware



- Features**
- For one-blade dampers
 - Made of galvanized steel
 - Set includes:
 - Quadrant
 - Handle
 - Screw & bolt
 - Packing: 100 sets per carton

SQS

Damper Regulating Hardware



- Features**
- Set includes:
 - Rectangular quadrant
 - Wing nut, washer & bolt
 - 8mm square shaft
 - 8mm 1/4" shaft
 - Two plastic shaft sleeves
 - Two connecting parts, washers and bolts
 - Packing: 50 sets per carton

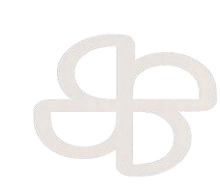
PSR

Damper Regulating Hardware



- Features**
- Plastic damper quadrant
 - For dampers with IP to : 220 mm diameter
 - Nylon made
 - Packing: 50 sets per carton



 **Exair**

