Ventilation
Product Catalogue

Airandus
Breathe the Quality

2022

About Us

ZENGO was established in 2012 to supply Ventilation, Refrigeration, Air Conditioning equipment and spare parts.
Within less than a decade, ZENGO has become a global company, serving customers in more than 60 countries.

We are very proud to be among China's TOP 3 exporters in Ventilation, and HVAC industry's 5 STAR Seller and on Alibaba.

Our Ventilation brand Airandus and AC/R brand ComforPlanet are widely recognized by our valued customers all around the world.

ZENGO owns series of production lines, moulds and patents, provides complete HVAC/R range and professional one-stop solution.
Most products are approved by CE, RoHS, and UL.
We keep innovating and improving the technology to ensure each product meets industry's top standard and exceed consumer's expectation.

Contact us and be our partner, let's cooperate and create a brighter future!

Our Vision

Leading to innovate and improve equipments and spare parts for HVAC/R industry.

Our Mission

Let everyone on the planet breathe fresh and comfortable indoor air.

Our Values

Integrity, Happy, Progressive, Efficient, Excellence.

Airandus
Breathe the Quality

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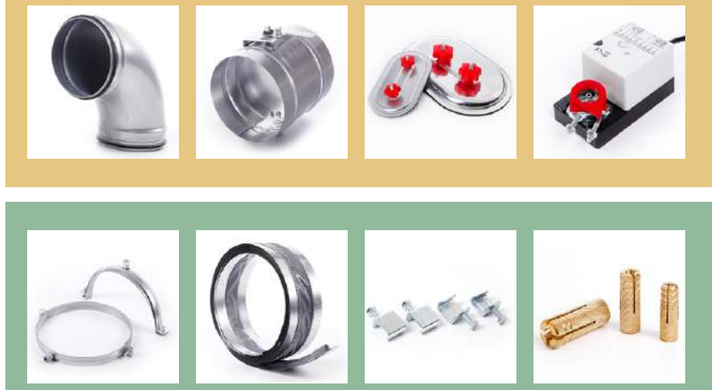

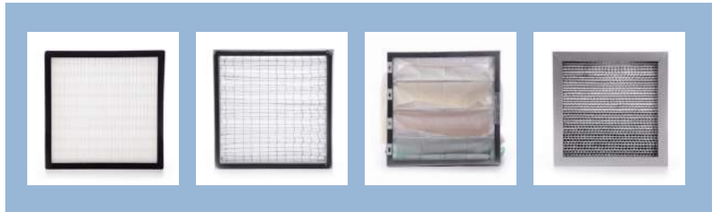

Air Valves

EV

SV

VS

VP

EVF

SVF

CollarA

CollarC

VPA

VPC

VPL

VPO

VPPS

VPPR

VPRS

VPRR

Vent Caps and Louves

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SUA

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SMS-P

SMS-PW

VPPT

ELA

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ELF

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SD-CA

SD-CB

SD-CBR

LSD

LBD

Air Grillers

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EG-D

EG-DI

EG-E

DG-A

RG-A

RG-B

TG-A

WL-A

SGD

DGD

FDS

GDD

OBD-A

OBD-B

Airandus
Around you Around us
Air Diffusion

SFR

CLIP-C

CLIP-D

CLIP-M

JNS

Australian Series

MSY

MSB

MSD

EYD

FC

SB/AB

SV

MJ

MC

DCD

SJ

MG

SGP

SGF

SGB

MV

MB

MA

2/3 Way

SDP595

JM602R

JM602R Adaptors

ECA

LCA

OAL

American Series

1CB

3CB

4CB

1SW

2SW

3SW

4SW

110M

FL

1RAF

BRA

BB

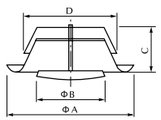
CAD

VF

CSF

4CSD

Air Valves

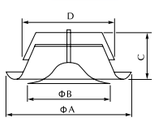


EV

Metal Exhaust Air Valve

- Manufactured from sheet steel with white powder coated finish.
- The valve body is equipped with a sponge gasket to form an air-tight seal.
- Supplied with mounting collar.

	A(mm)	B(mm)	C(mm)	D(mm)
EV 80	115	62	42	77.5
EV 100	138	75	40	97.5
EV 125	164	100	46	122.5
EV 150	202	120	50	147.5
EV 160	211	130	54	157.5
EV 200	248	158	63	197.5

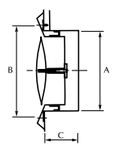


SV

Metal Supply Air Valve

- Manufactured from sheet steel with white powder coated finish.
- The valve body is equipped with a sponge gasket to form an air-tight seal.
- Supplied with mounting collar.

	A(mm)	B(mm)	C(mm)	D(mm)
SV 80	115	76	42	77.5
SV 100	138	92	40	97.5
SV 125	164	111	46	122.5
SV 150	202	135	50	147.5
SV 160	211	147	54	157.5
SV 200	248	194	63	197.5

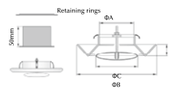


VS

Stainless Air Valve

- All Stainless steel 304 construction, excellent feature of antirust.
- Supplied with mounting ring.

	A(mm)	B(mm)	C(mm)
VS 100	95	118	52
VS 125	120	141	52
VS 150	145	165	62
VS 160	155	175	62
VS 200	195	220	74

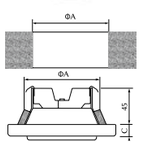


VP

Plastic Air Valve

- Manufactured from white polypropylene heat resistant to 100 ℃ .
- For mounting in places with small spaces, a retaining ring can be added.

	A(mm)	B(mm)	C(mm)	D(mm)
ϕ100	80	148	87	20
ϕ125	100	168	106	20
ϕ150	118	186	130	20
ϕ200	171	240	178	20

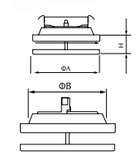


EVF

Metal Exhaust Air Valve

- Manufactured from sheet steel with a white powder coated finish.
- The valve body is equipped with a cellular sponge gasket.

	A(mm)	B(mm)	C(mm)
EVF 80	80	108	16
EVF 100	100	137	16
EVF 125	125	162	16
EVF 160	150	193	16
EVF 200	200	240	19



SVF

Metal Supply Air Valve

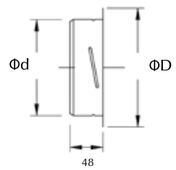
- Manufactured from sheet steel with a white powder coated finish.
- The valve body is equipped with a cellular sponge gasket.

	H	A(mm)	B(mm)
SVF 80	27-57	108	80
SVF 100	27-57	137	100
SVF 125	27-57	162	125
SVF 160	27-57	193	160
SVF 200	27-60	240	200

Collar A

Collar B

Collar C



Mounting Collar for Metal Valve

- Designed for use with EV / SV series metal air valves.
- Made of galvanized steel sheet employing the draw press technique.

Size	ϕD(mm)	ϕd(mm)
80	105	79
100	125	99
125	150	124
150	175	149
160	185	159
200	225	199

VPA

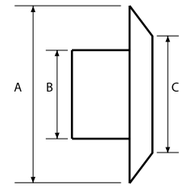
VPC

VPL

VPO

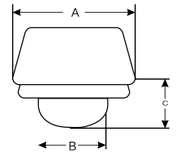
Plastic Air Grille

- Matt white finish.
- Made from impact resistant ABS plastic.



VP	ϕ75	ϕ100	ϕ125	ϕ150	ϕ200
A(mm)	115	148	168	210	260
B(mm)	75	100	125	150	200
C(mm)	75	75	80	80	90

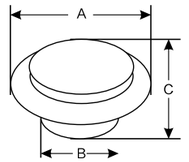
VPPS



- Matt white finish.
- Made from impact resistant ABS plastic.

	A(mm)	B(mm)	C(mm)
VPPS100	138	97	77

VPPR



- Supplied with PP Material non-woven filter and activated carbon silencing cotton.
- Press semi-automatic air volume adjustment.

	A(mm)	B(mm)	C(mm)
80mm	140	77	77
100mm	160	97	77
120mm	190	116	77
150mm	240	146	78

VPRS

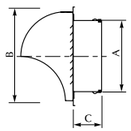
VPRR

- Matt white finish.
- Made from impact resistant ABS plastic.
- Supplied with PP Material non-woven filter and activated carbon silencing cotton.

Vent Caps and Louves

VLA
Stainless Vent Hood

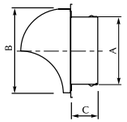
- Made of stainless steel 304, brushed surface finish.
- Supplied with insect screen, fixing clips, rubber sealing.



	A(mm)	B(mm)	C(mm)
100	97	132	52
125	120	165	52
150	145	192	62
160	155	192	62
200	195	253	74

VLB
Stainless Vent Hood

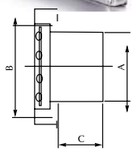
- Made of stainless steel 304, brushed surface finish.
- Supplied with insect mesh, fixing clips, rubber sealing.
- Packed in a transparent bag, including 2 stainless screw.



	A(mm)	B(mm)	C(mm)
100	97	132	52
125	120	165	52
150	145	192	62
160	155	192	62
200	195	253	74

SMS
Stainless Vent Louver

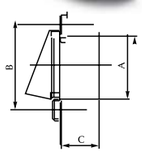
- Made of stainless steel AISI 304, polishing surface finish.
- The shutter allows one-way air passage, prevent rainwater from entering the ducts.



	A(mm)	B(mm)	C(mm)
100	97	137	52
125	120	167	52
150	145	167	62
200	195	225	62

SUA
Stainless External Louver

- Made of stainless steel sheet 304, polishing surface finish.
- The shutter allows one-way air passage, the cowl prevent rainwater from entering the ducts.



	A(mm)	B(mm)	C(mm)
100	97	137	52
125	120	167	52
150	145	167	62

VLC
Stainless Vent Hood

- Made of stainless steel 304, polishing surface finish.
- With protection mesh, fixing clips, rubber sealing.
- Packed in a transparent bag, including 2 stainless screw.

SUA-PA
Plastic Vent Louver

SUA-PB
Plastic Vent Louver

- All PVC plastic design.
- Neck size: 100mm, 125mm, 150mm, 160mm

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Air Diffusion

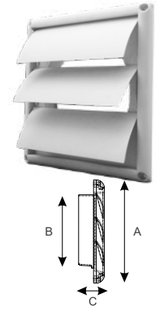
SMS-PG

SMS-PB

SMS-PM
Plastic Vent Louver

- With built in molded screen.
- Anti-UV polypropylene plastic.
- White and Brown color available.

	A(mm)	B(mm)	C(mm)
4"(ϕ102)	150	100	40
5"(ϕ127)	200	125	60
6"(ϕ153)	200	150	60



SMS-P
Plastic Vent Louver

- Modern, rounded edge with mounting holes in each corner.
- Anti-UV polypropylene plastic.
- White and Brown color available.

	A(mm)	B(mm)	C(mm)
4"(ϕ102)	150	102	40
5"(ϕ127)	200	127	60
6"(ϕ153)	200	152	60

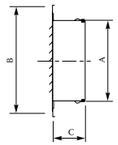
SMS-PW
Plastic Vent Louver

- Designed to prevent cold air and pests entering the system when not in use.
- Modern, rounded edge with mounting holes in each corner.
- Polypropylene plastic.

VPPT

ELA
Stainless Vent Louver

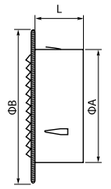
- All stainless steel 304 construction.
- Supplied with insect mesh.



	A(mm)	B(mm)	C(mm)
100	97	133	52
125	120	165	52
150	145	192	62
160	155	192	62
200	195	253	62

ELB
Aluminum Vent Louver

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



	A(mm)	B(mm)	L(mm)
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
Cast Aluminum Vent Louver

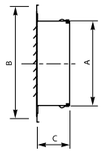
- Mainly used as an intake grille for fresh air.
- Manufactured of cast aluminum.

	ϕD(mm)	H(mm)
100	125	20
125	150	20
150	180	18
160	185	18
200	225	20
250	275	20
315	350	20
400	440	40

ELF
Stainless Square Grille

- Easy screw fastening.
- Anti-mosquito screen.
- Good Corrosion stability.

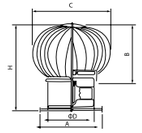
Size(mm)
150×150
200x200
250x250
300x300
360x360



ELN
Stainless Vent Louver

- All stainless steel 304 construction.
- Supplied with insect mesh.

	A(mm)	B(mm)	C(mm)
100	95	125	52
125	120	160	52
150	145	185	62
160	155	185	62



TB
Rotary Chimney Cowl

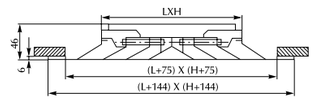
- Base made of galvanized steel, cap made of stainless steel or aluminium sheet.
- For roof and chimney application.
- With or without square base.

ϕD(mm)	A(mm)	B(mm)	C(mm)	H(mm)
150	200	160	260	270
200	250	220	300	300
250	300	230	320	310
300	350	250	350	330

Air Diffusers

CD-SB
Square Ceiling Diffuser

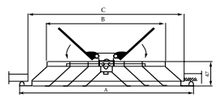
- Used for the supply and exhaust of cooled and heated air.
- Completely in extruded aluminium; satin anodized or powder-coated white RAL9010, 9016.
- The central core is removable for easy maintenance.
- Simple and pleasant appearance.
- Accessories: OBD opposite blade damper Neck adapter.



Neck Size / Face Size
147mm×147mm / 295mm×295mm
222mm×222mm / 370mm×370mm
297mm×297mm / 445mm×445mm
372mm×372mm / 520mm×520mm
447mm×447mm / 595mm×595mm

CD-RA
Round Ceiling Diffuser

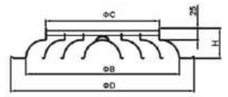
- Used for supply and exhaust of the hot or cold air.
- All aluminium construction.
- Powder-coated of anodized finish, standard colour RAL9010,9016.
- Assembled with integral butterfly volume damper made of plastic.
- The rotatable inner core offers free access to the integral butterfly plastic volume damper.



CD-RA	A(mm)	B(mm)	C(mm)
150	257	149	225
200	307	199	275
250	357	249	325
300	407	299	375
350	457	349	425

CD-RD
Round Ceiling Diffuser

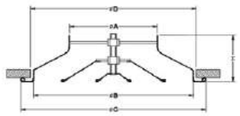
- Designed for any application requiring a high performance diffusion.
- Wide range of sizes.
- A connector, a circular volume control of opposite blades or the butterfly volume control can be attached.



ϕD	230	250	300	350	230	400	450	500	560	600	800	1000
ϕC	78	98	148	198	248	298	348	398	448	498	448	448
ϕB	165	180	230	280	335	380	425	495	535	590	690	580
H	65	65	65	65	65	65	65	65	65	55	135	180

CD-RE
Round Ceiling Diffuser

- Used for the supply and exhaust of cooled and heated air.
- Material: All aluminium construction.
- Colour: Powder-coated or anodized finish,standard colour RAL9010, 9016.
- Construction: Assembled with integral butterfly volume damper made of plastic.
- The rotatable inner core offers free access to the integral butterfly plastic volume damper.



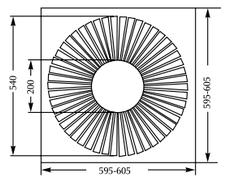
SIZE	ϕA	ϕC	ϕB	ϕH	ϕD
150	145	335	278	105	288
200	195	423	360	118	370
250	245	517	445	130	455
300	295	640	560	146	570
350	345	730	640	185	650

CD-REP
Round Ceiling Diffuser

- Designed for T-bar ceiling: 600×600 or 610×610.
- Inner Core adjustable to control airflow volume.
- Made of aluminum sheet.
- Anodized or powder-coated, colour RAL9010, 9016, other colours on request.
- Available in Neck size: Dia 160, 200, 250

SW
Swirl Ceiling Diffuser

- Swirl Diffuser SW generate high-quality, diffuse air flow according to the principle of turbulent mixing air flow.
- The diffuser SW can produce comfortable indoor air conditions.
- Low sound power level and pressure loss.
- For installation flush with suspended false ceiling or below closed false ceiling.

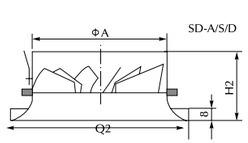


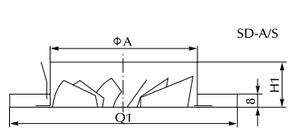
SD-A
Swirl Ceiling Diffuser

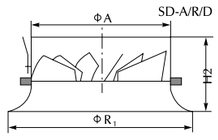
- Applied to premium places and industrial workshop.
- Blow in helix, high inductivity, reduce temperature rapidly with low noise.
- With excellent performance, SD-A could be either installed flatly with the ceiling or hung on construction objects, or on the air pipe inside of enclosed ceiling.
- Both the panel and diffusing ring are painted white (RAL9010) standard.

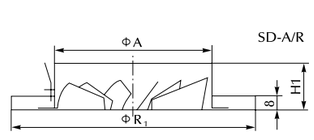
Note: .../S/... Square face
.../R/... Round face
.../D/... With diffusion ring

SIZE	A (mm)	Q_1 (mm)	Q_2 (mm)	R_1 (mm)	R_2 (mm)	H_1 (mm)	H_2 (mm)
125	123	600	600	158	200	50	120
160	158	600	600	197	250	50	120
200	198	600	600	241	300	50	120
250	248	600	600	295	350	60	120
315	313	600	600	364	450	60	125
400	398	600	600	450	580	60	125









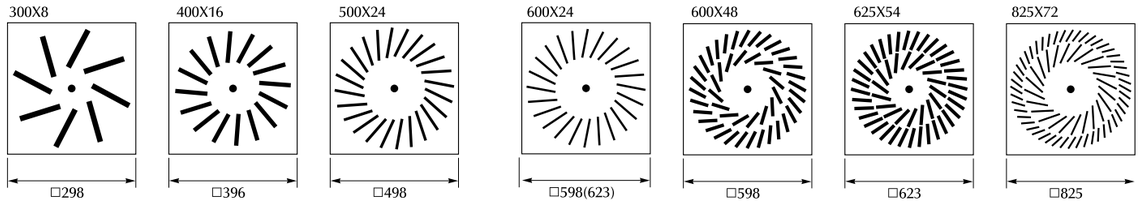
SD-B
Swirl Ceiling Diffuser

- SD-B swirl diffuser consist of fixed, rapidly arranged air control blades.
- The diffuser face of SD-B offers a high volume flow 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 surface finish, standard colour RAL9010, 9016.

SIZE	A(mm)	B(mm)
300	595	254
400	595	336
500	595	440
600	595	530

SD-CA
Swirl Ceiling Diffuser

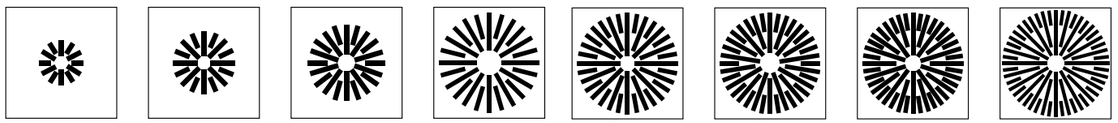
- The swirl diffuser SD-CA be used for either supply or exhaust air application.
- The diffuser be supplied with either circular or square face plate depending on architectural requirements.
- The face plate is in galvanized sheet steel, powder coated white (RAL 9010).
- Control blades are made from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



SD-CB
Swirl Ceiling Diffuser

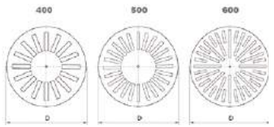
- The swirl diffuser SD-CB be used for either supply or extract air application.
- The diffuser be supplied with square face plate.
- The face plate is in galvanized sheet steel, powder coated white (RAL 9010).
- Control blades are made from polystyrol, with black as standard or white on request.
- All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

SIZE	Dimensions	Slot numbers
320×12	320×320	12
420×16	420×420	16
520×20	520×520	20
600×24	600×600	24
600×32	600×600	32
645×36	645×645	36
695×40	695×695	40
820×48	820×820	48

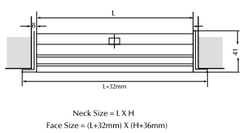


SD-CBR
Swirl Ceiling Diffuser

- Applied for low medium pressure ventilation systems.
- Easy to install, can be installed with a plenum box.
- Intended to operate under constant or variable air flow.
- Finish: powder coated RAL 9010, 9016.



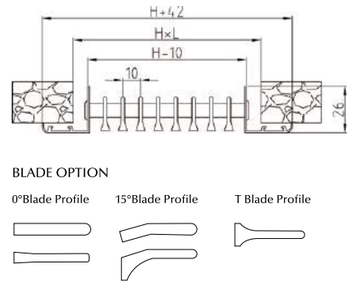
SIZE	ϕD	Slot
400	400	16
500	500	24
600	600	32



LSD
Linear Slot Diffuser

- LSD diffusers are designed for variable air volume systems.
- Both the directions and volume of the discharged air can be adjusted, by moving the pattern controllers (see diagrams).
- Available with 1-6 slots.
- Maximum pattern controller lengths 60cm; max one piece section is 1.8m, lengths more than 1.8m are furnished in multiple sections.

Slot No.	H	L
1 Slots	44.5mm	Standard L at 495mm, 990mm, 1195mm, 1495mm, 1795mm and other L dimension is available at required.
2 Slots	88.0mm	
3 Slots	135.5mm	
4 Slots	175.0mm	



LBD
Linear Bar Diffuser

- Removable core separates from the frame.
- Extruded aluminium construction.
- Available in three different deflection angles: 0 degree, 15degrees, T.
- Available in standard heights ranging from 40mm up to 600mm and in single section lengths of up to 3M, depending on the height.
- Finished with power coated white or natural anodized.
- Suitable for supply and extract air in sidewall.

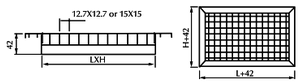
Air Grilles

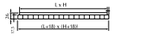
EG-A
Egg Crate Grille

- Designed for return air with filter.
- Removable or hinged cores for easy access to maintenance of filter inside.
- All aluminium construction.
- 12.7mm×12.7mm or 15mm×15mm square lattice core.
- High free area: 90%, ideal for return air application.
- Powder-coated surface finish, standard colour RAL9010, 9016.
- Different sizes can be ordered on request.

EG-B
Egg Crate Grille

- Designed for return air application, high free area:90%.
- All aluminium construction.
- 12.7mm×12.7mm or 15mm×15mm square lattice core.

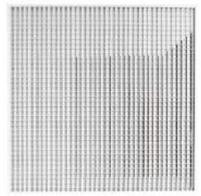


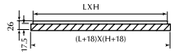


*Neck Size L and H is made at request

EG-D
Egg Crate Grille

- Ideal for return air application.
- Light weight: all aluminium design.
- 15mm×15mm square lattice core.
- Mill finish or painted white standard RAL9010, 9016.
- For installation in false ceiling.
- Available in size: according to request.





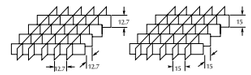
EG-Di
Egg Crate Grille

- Inclined 45°fixed grid, ideal for return air application.
- Light weight: all aluminium design. 15mm×15mm square lattice core.
- Mill finish or painted white standard RAL9010, 9016.
- For installation in false ceiling, other sizes on request.

EG-E
Egg Crate Grille

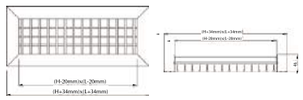
- Aluminium eggcrate core only.
- Mill finish, powder coated white RAL9010, 9016
- Can be easily cut to different sizes.
- Different size be produced on request.

- Egg crate core in the following configurations:
  a)12.7×12.7×12.7mm in thickness of 0.48mm aluminum material.
  b)12.7×12.7×12.7mm in thickness of 0.35mm aluminum material.
  c)15×15×15mm in thickness of 0.48mm aluminum material.
  d)15×15×12.7mm 45° inclined in thickness of 0.48mm aluminum material.
- Standard sizes:
  1219mm ×1219mm
  1200mm ×1200mm
  1219mm ×610mm
  1200mm ×600mm



DG-A
Double Deflection Grille

- Aluminium grilles, adjustable blades. Classic and popular design.
- Finish: anodized in it's natural colour or painted white RAL9010, 9016.
- Designation:
  Vertical front blades SG-AV DG-AV
  Horizontal front blades SG-AH DG-AH
- Mounting methods:
  Fixing with mounting frame SFR.

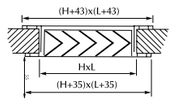


RG-A
Air Return Grille

- Designed for return air.
- New and unique modern designed curved "flow-in" frames blend gently with wall or ceiling surfaces.
- All aluminium construction from precision extruded profiles.
- Available curved "flow-in" frame size: 15mm, 20mm and 30mm.
- H,L: Nominal ordering sizes (duct opening size)
- Mounting methods: Fixing with mounting frame SFR.
- Accessories and mounting:
  Sub frame SFR
  Volume control damper OBD
  CLIP Mounting clips for sub frame

RG-B
Air Return Grille

- The blades are curved and fixed with frame.
- Sizes can be produced upon request.
- Anodized or powder coated.



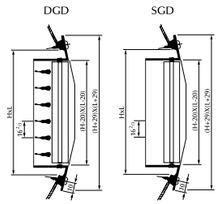
TG-A
Door Grille

- Made from extruded aluminium.
- Anodized surface finish.
- Wall or door mounting for air transfer.
- Sizes manufactrued on request.

WL-A
Weatherproof Louver

- Designed for outdoor air transfer.
- Blades have return bends at the downward which effectively prevent back flow in heavy rain and wind conditions.
- Anodized or powder coated.
- Sizes can be made to orders.

SGD
Grilles for Spiral Ducts, Single Deflection



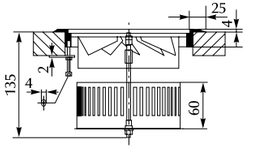
Nominal Size = H X L (duct opening size)
Neck Size = (H-20mm)X(L-20mm)
Face Size = (H+29mm)X(L+29mm)

DGD
Grilles for Spiral Ducts, Double Deflection

- 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.
- Fits round ducts in dim, 150-1400mm.
- Made from galvanized steel sheet, alternatively can be supplied powder coated in RAL colour.
- The vanes can be adjusted manually and individually to obtain an optimal air distribution.
- Accessories and mounting: Inclined sliding damper Visible screw mounting.

Dimensions L×H(mm)	ϕ Duct (mm)	
	Min.	Max.
425×75	150	400
525×75	150	400
625×75	150	400
425×125	315	900
525×125	315	900
625×125	315	900
825×125	315	900
1025×125	315	900
425×175	450	1200
525×175	450	1200
625×175	450	1200
825×175	450	1200
1025×175	450	1200
425×225	600	1400
525×225	600	1400
625×225	600	1400
825×225	600	1400
1025×225	600	1400

FDS
Circular Swirl Floor Diffuser



- Circular air supply diffuser with swirl function from mounting in floors.
- Diffuser manufactured in cast Aluminium, drip trap and internal swirl constructed in galvanized steel sheet.
- High induction levels.
- A cleanable diffuser.
- Sizes： ϕ150, ϕ200

GDD
Spiral Ducts Grille Damper

OBD-A
Opposite Blade Damper

- Made of painted steel sheet.

OBD-B
Opposite Blade Damper

- Made of extruded aluminium.

SFR
Sub Frame

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

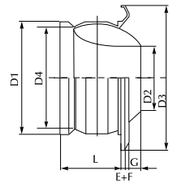
CLIP-C
Corner Clip

CLIP-D
Damper Clip

CLIP-M
Grille Fixing Clip

Airandus
Around you Around us
Air Diffusion

Jet Nozzle



JNS
Jet Nozzle

- The nozzle and the decorative ring are manufactured in aluminium.
- Powder-coated surface finish, standard colour RAL9010, 9016.
- The connection part is made of galvanized steel sheet.
- Long distance air supply with low noise level.
- Used in superior places: concert hall, airport, theatre, museum etc.
- Available in extensive range of size.

Specs	D1	D3	D2	D4	L	E	F	G
100	98	148	60	70	85	8	8	6
125	123	170	64	90	80	8	7	8
160	158	210	85	130	98	9	14	8
200	198	255	108	160	112	8	11	12
250	248	301	136	208	143	10	15	13
315	310	380	186	270	160	9	13	29
400	396	467	230	350	182	11	11	55
500	492	598	290	445	230	8	15	65
630	625	700	295	585	295	25	50	

Specs	The proper diameter of duct						
	200	250	315	500	630	800	1000
100	●						
125		●					
160			●	●	●	●	
200				●	●	●	
250				●	●	●	
315				●	●	●	
400					●	●	
500						●	●

Australian Series

MSY
Multisnap Y-insulated

CODE	SIZE(mm)
MSY 15i	150.100.100
MSY 20i	200. 150/100 150/100
MSY 25i	250. 200/150/100 200/150/100
MSY 30i	300. 250/200/150 250/200/150
MSY 35i	350. 300/250/200 300/250/200
MSY 40i	400. 350/300/250 350/300/250
MSY 45i	450. 400/350/300 400/350/300
MSY 50i	500. 450/400/350 450/400/350

MSB
Multisnap B-insulated

CODE	SIZE(mm)
MSB 20i	200. 150. 150.
MSB 25i	250. 200. 200.
MSB 30i	300. 250. 250.
MSB 35i	350. 300. 300.
MSB 40i	400. 350. 350.

MSD
Multisnap D-insulated

CODE	SIZE(mm)
MSD 20i	200. 150. 150. 150.
MSD 25i	250. 200. 200. 200.
MSD 30i	300. 250. 250. 250.
MSD 35i	350. 300. 300. 300.
MSD 40i	400. 350. 350. 350.

EYD
NEW EZY Collar

CODE	SIZE(mm)
EYD 100	100
EYD 150	150
EYD 200	200
EYD 250	250
EYD 300	300
EYD 350	350
EYD 400	400

FC
Flex Collar

FJ
Flex Joiner

CODE	SIZE(mm)
FC/FJ 100	100
FC/FJ 150	150
FC/FJ 200	200
FC/FJ 250	250
FC/FJ 300	300
FC/FJ 350	350
FC/FJ 400	400
FC/FJ 450	450
FC/FJ 500	500

SV
Classic/Elite/Tudor

- SMARTVENT .
- Suits all decors.
- Multiblade damper control.
- Made from impact-resistant ABS plastic.

CODE	SIZE
SV 3010	300×100 Classic
SV 3515	350×150 Classic
SVR 3010	300×100 Elite
SVT 3010	300×100 Tudor

SVM
Pressed Metal

- Ideal for high traffic areas.
- Twin multi-blade damper control.
- Made from 1.2 mm high grade pressed steel.
- Powder coated gloss paint finish.
- Suits all decors.

CODE	SIZE
SVM 305	300×50 •
SVM 3010	300×100 *
SVA 3010	300×100 *Angled Air Pattern
SVM 355	350×50 •
SVM 3515	350×150 *

Colours *Beige Only •Beige & White

MJ
Multijet

CODE	SIZE(mm)	SIZE(Inch)
MJ 150	150	6"
MJ 200	200	8"
MJ 250	250	10"
MJ 300	300	12"

DCD
Fullcone

CODE	SIZE(mm)	SIZE(Inch)
DCD 100	100	4"
DCD 125	125	5"
DCD 150	150	6"
DCD 200	200	8"
DCD 250	250	10"
DCD 300	300	12"

SB/AB
Ducting Floor Bout

CODE	SIZE(mm)
SB3010 15	300×100 150° Straight
SB3010 20	300×100 200° Straight
SB3515 20	350×150 200° Straight
SB3515 25	350×150 250° Straight
AB3010 15	300×100 150° Angled
AB3010 20	300×100 200° Angled
AB3515 20	350×150 200° Angled
AB3515 25	350×150 250° Angled

SVP
Pop-up/Heritage

- Made from impact-resistant ABS plastic.
- Suits all decors.

CODE	SIZE
SVP 3010	300×100 Pop-up
SVH 3010	300×100 Heritage
SVH 3010G	300×100 Heritage (Gold)
SVH 3010S	300×100 Heritage (Silver)

SVB
Linear Bar

- Ideal for high traffic areas.
- Designed for add-on air conditioning systems.
- Greater free area-means more air, less noise.
- Suits floor and wall installations.
- Made from extruded aluminium profile.
- Modern slimline design.
- Arm adjustable opposed blade damper control.
- Suits all decors.
- Powder coated gloss paint finish.

CODE	SIZE
SVB 3010	300×100
SVB 3515	350×150
SVB 4010	400×100

Allow for metal boots on linear bar register.

MC
Multicone

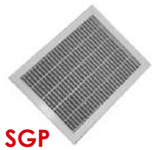
CODE	SIZE(mm)	SIZE(Inch)
MC 150	150	6"
MC 200	200	8"
MC 250	250	10"
MC 300	300	12"

SJ
Squarejet

CODE	SIZE(mm)	SIZE(Inch)
SJ 100	100	4"
SJ 125	125	5"
SJ 150	150	6"
SJ 200	200	8"

CODE	SIZE(mm)	SIZE(Inch)
MG 150	150	6"
MG 200	200	8"
MG 250	250	10"
MG 300	300	12"

MG
Multigrille

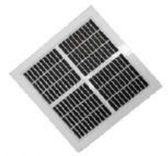


CODE	SIZE(mm)
SGP 3851	380×510
SGP 4075	400×750
SGP 5090	500×900
SGP 40100	400×1000

SGP
Slimline Return Air Grilles

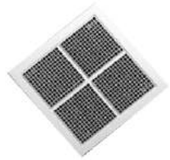
CODE	SIZE(mm)
SGF 3851	380×510
SGF 4075	400×750
SGF 5090	500×900
SGF 40100	400×1000

SGF
Slimline Return Air Grilles



CODE	SIZE(mm)
SGB 3737	370×370
SGB 3720	370×185
SGB 5326	530×260 T/Bar Face
SGB 5637	560×370
SGB 5353	530/595 T/Bar Face

SGB
Slimline Return Air Grilles



CODE	SIZE
ME 230	230×230-1 Module
ME 150	300×150-2 Module
ME 200	370×185-2 Module
ME 260	560×265-2" T/Bar Face
ME 300	300×300-4 Module
ME 370	370×370-4 Module
ME 550	560×370-6 Module
ME 595	530/595-4" T/Bar Face

ME
Multivent Eggcrate Grilles

CODE	SIZE
MV 15	300×150 -2 Module
MV 20	370×185 -2 Module
MV 26	530×265 -2 Module T/Bar Face
MV 23 2	230×230 -2 Module
MV 23 4	230×230 -4 Module
MV 30	300×300 -4 Module
MV 35	350×350 -4 Module
MV 37	370×370 -4 Module
MV 45	450×450 -4 Module
MV 55	560×370 -6 Module
MV 52	520×350 -6 Module T/Bar Face
MV TB	530/595 -4 Module T/Bar Face

MV
Multivent Diffuser

CODE	SIZE
MW 15	300×150 - 2 Module
MW 20	370×185 - 2 Module
MW 26	530×265 - 2 Module T/Bar Face

MW
Multivent Grilles

CODE	SIZE
BV 23	230×230 - 4 Module
BV 30	300×300- 4 Module
BV 37	370×370 - 4 Module
BV 52	520×350 - 6 Module T/Bar Face

BV
Multi-directional diffuser

CODE	SIZE
MF 150	300×150 - 2 Module
MF 200	370×185 - 2 Module
MF 300	300×300 - 4 Module
MF 370	370×370 - 4 Module
MF 550	560×370 - 6 Module
MF 595	535/595 - 4 Module T/Bar Face

MF
Multivent Fixed Blade Diffuser

CODE	SIZE
MB23D15I	230×230 - 150mm
MB23D20I	230×230 - 200mm
MB30D20I	300×300 - 200mm
MB30D25I	300×300 - 250mm
MB45D20I	450×450 - 200mm
MB45D25I	450×450 - 250mm
MB45D30I	450×450 - 300mm

MB
Insulated plastic cushion boxes

MA
Multivent Adaptors

SIZE		With Damper	Without Damper
		CODE	CODE
300×150	150	MA15D15	
	200	MA15D20	
370×185	200	MA20D20	
	250	MA20D25	
	300	MA20D30	
230×230	150	MA23D15	
	200	MA23D20	
	250	MA23D25	
530×295	250	MA26D25	
	300	MA26D30	MA2630
	350		MA2635
	400		MA2640
300×300	200	MA30D20	
	250	MA30D25	
	300	MA30D30	MA3030
350×350	300	MA35D30	MA3530
	350		MA3535
370×370	300	MA37D30	MA3730
	350		MA3735
	400		MA3740
450×450	200	MA45D20	
	250	MA45D25	
	300	MA45D30	
...		...	...

4 Way
Smart diffuser

2 Way 3Way
Smart diffuser

CODE	Neck Size / Face Size	Direction	
SD 3525	230/350	4 way	
SDW 3525	230/350	3 way	
SDC 3525	230/350	2 way	
SD 4230	300/420	4 way	
SD 595	450/595	4 way	T/Bar Face
SDP 595	450/595	Perforated	T/Bar Face

SD595

SDP595

Neck Size (mm)	Face Size (mm)	2 Way	3 Way	4 Way	Perf.	Adaptor To Flexible Duct				Cut Out Size
230×230	360×350	-	-	-		200°^	150°^			295×295
300×300	420×420			-		300°	250°^	200°^		365×365
450×450	595×595*			-	-	350	300°^	250°^	200°^	540×540
360×360	595×595*			-		350	300°	250°	200°	420×420

* Suits T/Bar Ceilings ^ Cushion Box available ° Adaptor with twin damper blade

Plaster mounted ceiling diffusers come with EZY-SNAP mounting clips

JM602R
Plastic T/Bar Diffuser

CODE	SIZE
JM 602R	360/595

JM602R Adaptors
With Butterfly Damper

CODE	SIZE
A20D	360×360 - 200
A25D	360×360 - 250
A30D	360×360 - 300
A35	360×360 - 350

ECA

OAE

Eggcrate Grilles

CODE	NECK SIZE
ECA 100	100
ECA 125	125
ECA 150	150
ECA 200	200
ECA 250	250
OAE 125	125 Fixed Face
OAE 150	150 Fixed Face

LCA

OAL

Louver Grilles

CODE	NECK SIZE
LCA 100	100
LCA 125	125
LCA 150	150
LCA 200	200
LCA 250	250
OAL 125	125 Fixed Louver
OAL 150	150 Fixed Louver

24GYE

24GYC

Louver Grilles

CODE	SIZE(inch)	Neck Size (mm)
24GYE05S	2"	50
24GYE10S	4"	100
24GYC05S	2"	50
24GYC10S	4"	100

WVL

Wall Ventilation LED

CODE	SIZE(inch)	Neck Size (mm)
WVL 4	4"	100
WVL 5	5"	125
WVL 6	6"	150

American Series

1CB
Curved Blade One Way Register

- All steel construction.
- Stamped curved-blade supply register with multi-louver damper for ceiling or sidewall application.
- One piece stamped face and 1" curved blade lanced.
- One way deflection.
- White powder-coating finish.
- Any color you would like.

2CB
Curved Blade Two Way Register

- All steel construction.
- Stamped curved-blade supply register with multi-louver damper for ceiling or sidewall application.
- One piece stamped face and 1" curved blade lanced.
- Two way deflection.
- White powder-coating finish.
- Any color you would like(2 weeks more).

3CB
Curved Blade Three Way Register

- All steel construction.
- Stamped curved-blade supply register with multi-louver damper for ceiling or sidewall application.
- One piece stamped face and 1" curved blade lanced.
- Three way deflection.
- White powder-coating finish.
- Any color you would like(2 weeks more).

4CB
Curved Blade Four Way Register

- All steel construction.
- Stamped curved-blade supply register with multi-louver damper for ceiling or sidewall application.
- One piece stamped face and 1" curved blade lanced.
- Four way deflection.
- White powder-coating finish.
- Any color you would like(2 weeks more).

1SW
One Way Register

- All steel construction.
- Used for ceiling or sidewall installations and ideal for shallow duct installations.
- 1/2" spaced fins set at 40 degrees and 1-5/8" depth when fully opened.
- Multi-shutter valve.
- One way deflection.
- White powder-coating finish.
- Any color you would like.

2SW
Two Way Register

- All steel construction.
- Used for ceiling or sidewall installations and ideal for shallow duct installations.
- 1/2" spaced fins set at 40 degrees and 1-5/8" depth when fully opened.
- Multi-shutter valve.
- Two way deflection.
- White powder-coating finish.
- Any color you would like.

3SW
Three Way Register

- All steel construction.
- Used for ceiling or sidewall installations and ideal for shallow duct installations.
- 1/2" spaced fins set at 40 degrees and 1-5/8" depth when fully opened.
- Multi-shutter valve.
- Three way deflection.
- White powder-coating finish.
- Any color you would like.

4SW
Four Way Register

- All steel construction.
- Used for ceiling or sidewall installations and ideal for shallow duct installations.
- 1/2" spaced fins set at 40 degrees and 1-5/8" depth when fully opened.
- Multi-shutter valve.
- Four way deflection.
- White powder-coating finish.
- Any color you would like.

CSF
Contemporary Steel Floor Register

- For floor application in home restoration or new construction.
- Lever operated, multi-shutter steel valve with louvers.
- Stamped steel construction.
- Contemporary style face, two-way air flow pattern.
- Brass plated, Brush Nickel are available.

4CSD
Ceiling Square Diffuser

- Steel construction.
- High capacity design.
- 2" Standard inlet collar with turned edge.
- Circular air pattern.
- Available with steel damper.
- Available with foil backed insulation.
- White finish.
- Fixed cone design.

110M
Air Register

- All steel construction.
- Vertical front bars and horizontal second bars.
- Adjustable face bars may be set to any desired deflection.
- Multi-shutter damper.
- Large sizes available in multiple-piece construction.
- Bright white finish.

FL
Floor Register

- Used for floor ventilation application.
- All steel construction.
- Multi-angle fin setting.
- Rolled fin for strength and safety.
- Heavy gauge stamped face and welded.
- Foot-operated dial control.
- White or brown powder-coating finish.
- Any color you would like.

1RAF
Return Air Filter Grille With Frame

- For air return application.
- 1/3" spaced fins.
- Exceptional free area.
- 5/16" Margin turn back.
- White powder-coating finish.

1RA
Return Air Grille

- For air return application.
- 1/3" spaced fins.
- Exceptional free area.
- 5/16" Margin turn back.
- White powder-coating finish.

BRA
Baseboard Return Air Grille

- All steel construction.
- 7/8" margin turn back and exceptional free area.
- Install with fins upward or downward for best duct concealment.
- White powder-coating finish.
- Any color you would like.

BB
Baseboard Diffuser

- All stamped steel construction.
- Front row of adjustable blades are set on 3/4" centers.
- Designed to blanket walls and windows from baseboard installations.
- Lever operated multi-louver damper provide exacting volume control.
- Snap in face for ease of installation.
- Rear damper blades for volume control on 1" spacing.
- Available in 15" and 18" length.
- Finish: Bright White(W) or golden Sand(GS) enamel.

CAD
Cone Air Diffuser

- Stamped steel face construction.
- Three-cone provide 360 degree maximum air diffusion.
- For ceiling air diffusion application.
- Round face.
- Bright white finish.

VF
Victorian Floor Register

- For floor application in home restoration or new construction.
- Lever operated, multi-shutter steel valve with louvers.
- Stamped steel construction and Victorian
- Style.
  Brass plated, Brush Nickel are available.

Airandus
Around you Around us
Air Diffusion

Flexible Air Duct

ALU

ISO

COMBI

POLY ISO

POLY

POLYM

PVC

SEMI

PVC FABRIC

Flexible Air Duct Clamp and Connector

CLB-A

CLB-B

SCL

MCL

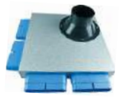
NCL

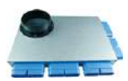
ACL

GCL

PCO

Flat Air Duct


Floor Supply Air branch 1 divide 4


Floor Supply Air branch 1 divide 5

Floor Supply Air branch 1 divide 6

Floor Supply Air Bend 45°

Floor Supply Air Bend 90°

Floor Supply Air Tee

Floor Supply Air Joint

Air regulating damper

Box Joint

Wall Corner 45° Bend

Wall Corner 90° Bend

Round to Flat

End cap

Flat Duct

Rectangular Plastic Duct and Fittings

DT

DCT

DCP

VB45

VB90

HB45

HB90

CBR

LAR

TEE

Flexible Air Duct

ALU
Aluminum Flexible Duct

- Full range of flexible uninsulated multiply aluminum / polyester laminated ducting for HVAC market.
- Made of multi-layer aluminum / polyester laminate with embedded flexible wire spring for different needs of operating temperature.
- Ideal for use in general purpose exhaust applications and ventilation of central air-con system.
- Max air Velocity: 30 Meter / Sec (6000ft / min); Max air pressure: 250mm W.G.

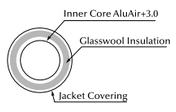
Properties	Alu 2.0	Alu 3.0	Alu 6.0
Diameter	50mm-610mm	50mm-610mm	50mm-610mm
Temperature	-30/150 ℃	-30/150 ℃	-30/220 ℃
Max Air Velocity	30m/sec	30m/sec	30m/sec
Pressure	2500Pa	3000Pa	3000Pa
Standard Length	10m	10m	10m
Packing	Individual carton	Individual carton	Individual carton
Layer	1 polyester & 1 aluminum	1 polyester & 2 aluminum	2 polyester & 4 aluminum
Certificate	CE	CE	CE

ISO
Aluminum Insulated Flexible Duct

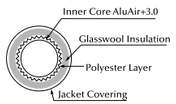
- Full range of flexible thermal insulated ducting for preventing condensation then there's temperature difference in airflow of ventilation system.
- Helpful for reducing heat & cool loss and preventing condensation.
- Insulation: standard 16kg/m³ glass wool and 32kg/m³ glass wool is also available.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

Properties	Iso 2.0	Iso 3.0	Iso 6.0
Inner duct	AluAir+2.0	AluAir+3.0	AluAir+6.0
Outer Jacket	Alu Jacket 1.0	Alu Jacket 1.0	Alu Jacket 1.0
Diameter	50mm-610mm	50mm-610mm	50mm-610mm
Temperature	-30/140 ℃	-30/140 ℃	-30/140 ℃
Max Air Velocity	30m/sec	30m/sec	30m/sec
Pressure	2500Pa	3000Pa	3000Pa
Standard Length	10m	10m	10m
Certificate	CE	CE	CE

SONO
Aluminum Acoustic Insulated Flexible Duct



SonoAir+3.0



SonoAir+3.0P

- 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 or Individual PE bag packing.

Properties	Sono 2.0	Sono 3.0
Inner duct	AluAir+2.0	AluAir+3.0
Outer Jacket	Alu Jacket 1.0	Alu Jacket 1.0
Polyester Layer	/	/
Diameter	50mm-610mm	50mm-610mm
Temperature	-30/140 ℃	-30/140 ℃
Max Air Velocity	30m/sec	30m/sec
Pressure	2500Pa	3000Pa
Standard Length	10m	10m
Certificate	CE	CE

Properties	Sono 3.0P	Sono 6.0P
Inner duct	AluAir+3.0	AluAir+6.0
Outer Jacket	Alu Jacket 1.0	Alu Jacket 1.0
Polyester Layer	yes	yes
Diameter	50mm-610mm	50mm-610mm
Temperature	-30/140 ℃	-30/140 ℃
Max Air Velocity	30m/sec	30m/sec
Pressure	3000Pa	3000Pa
Standard Length	10m	10m
Certificate	CE	CE

COMBI

Aluminum & PVC Combined Flexible Duct

- Combined with an aluminum / polyester laminated inter core and a mechanical resistant PVC layer, COMBI Duct is good for some special industrial use Such as the exhaust of welding fumes.

Properties	COMBI
Inner Duct	AluAir+Light/ pvc foil
Diameter	50mm-610mm
Temperature	-30℃ /140℃
Max Air Velocity	30m/ sec
Pressure	2500Pa
Standard Length	10m
Packing	individual carton

POLY ISO

Polyester Insulated Flexible Duct

- Harmless for the environment and human being.
- The main market for POLY ISO is Australia and New Zealand.

* Polyester fibre blend or Insulation glass wool.

Properties	POLY ISO
Jacket	2ply black polyester air duct
Size	45mm/ 610mm
Length	25ft (7.6m)
Temperature range	-30/150℃
Insulation Thickness	25mm
Insulation Density	16kg/m³

POLY

Polyester Flexible Duct

- Made of one layer polyester foil and one layer metalized polyester which is stronger and prevent lights inside and is especially good for garden ventilation system.

Properties	POLY
Size	45mm/610mm
Length	25ft (7.6m)
Temperature	-30℃ /150℃

POLYM

Metallized Polyester Flexible Duct

- Made of one layer aluminum foil and one layer of polyester which is stronger and prevent lights inside and is especially good for garden ventilation system.

Properties	POLYM
Size	45mm/610mm
Length	25ft (7.6m)
Temperature	-30℃ /150℃

PVC

PVC Flexible Duct

Properties	PVC	PVC Fabric
Inner Duct	PVC foil	PVC foil/glass cloth
Diameter	50mm-610mm	50mm-610mm
Temperature	-30℃ /140℃	-30℃ /140℃
Max Air Velocity	30m/ sec	30m/ sec
Pressure	2500Pa	2500Pa
Standard Length	10m	10m
Packing	/	individual carton

SEMI

Semi Rigid Flexible Duct

- Aluminum Semi Flexible Air Duct, extendable and highly reliable for low and medium pressure air conditioning , ventilation, boiler systems and chimney liners.
- SEMI is elastic, flexible and stretchable.
- Oval and circular connectors are easily installed.

Properties	SEMI
Fire Resistance	Non-combustible
Construction	1 ply aluminium
Nominal Thickness	90 micron
Available Diameters	ϕ80mm-ϕ800m
Temperature Range	-25℃ /+250℃
Air Velocity	25m/s(max)
Operating Pressure	2000Pa(max)
Standard Length	1.5m/ 3.0m/ 6.0m
Compression Ratio	1/3

PVC Fabric

PVC Fabric Flexible Duct

- Non-insulated polyester ducting is made of multi layer metalized polyester or polyester and is designed for ventilation system at medium to low pressure.

Properties	PVC FABRIC
Diameter	45mm - 610mm
Length	25ft (7.6m)
Temperature	-30℃ /150℃

Flexible Air Duct Clamp and Connector

Type A

Type B

CLB

Clamp Band

- Comes with a handy plastic 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 and smooth underside of banding, preventing any risk of damage to the duct being clamped.
- Band material: Stainless(SS) steel AISI 430 or Galvanized Steel.

SCL

Speed Clamp

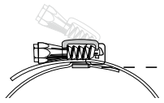
- Made of 9mm stainless steel strip, with suitably profiled edges preventing duct damage during fixing.
- Ideal for all types of flexible duct and suitable for different size with different length strip.
- Size: 90mm-660mm

Type	Max. Dia
SCL 90	060-090mm
SCL 110	060-110mm
SCL 135	060-135mm
SCL 165	060-165mm
SCL 180	060-180mm
SCL 215	060-215mm
SCL 270	060-270mm
SCL 325	060-325mm
SCL 380	060-380mm
SCL 525	060-525mm
SCL 660	060-660mm

MCL

Band Lock

- Packing: 50pcs / bag



NCL

Nylon Clamp

- NCL nylon clamp is an economic alternative for metal bands when installing flexible ducts.
- Easy to install, make the work much faster and hold the duct securely on the connector pipe.
- Nylon bands can be used within the temperature range: -55℃ to +100℃ .
- They are available in lengths ranging from 550mm to 1188mm.
- If other lengths are required, the bands can be easily connected without using any tools.

ACL

American Type Hose Clamp

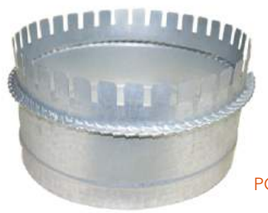
- Size: 1/2"to 8" (13mm-178mm)
- Band Material: SS201,301,304, carbon steel

GCL

German Type Hose Clamp

- The hose clamp is subject to strong resistance, high pressure resistance, corrosion resistance.
- Coated: galvanize, chromeplate, nickel-plate.
- With minus recessed screw and philips head screw.
- Bend width: 9mm or 12mm.
- Bend material: SS201,301,304,carbon steel

PCO-A



PCO-B

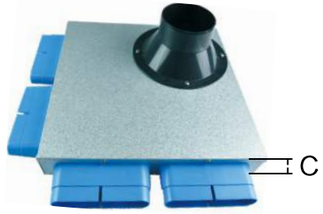
PCO

Plenum Collar (Sleeve with Flange)

- Plenum Collar is made of steel sheet.
- Connect the plenum box with the pipes.
- Available in the dimensions below: 100,125,150,160,200,250,300,350, 400mm and more.

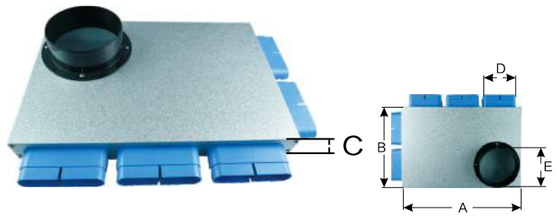
Airandus
Airound you Airound us
Flexible Air Duct, Plastic Air Duct

Flat Air Duct



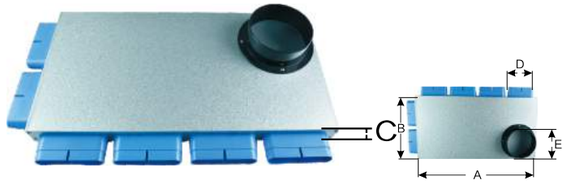
Floor Supply Air branch 1 divide 4

TYPE	SIZE(mm)				
	A	B	C	D	E
Branch 1-4	320	320	52	132	97



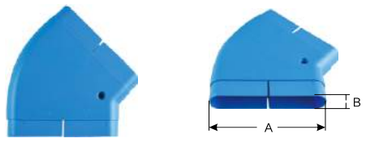
Floor Supply Air branch 1 divide 5

TYPE	SIZE(mm)				
	A	B	C	D	E
Branch 1-5	470	320	52	132	147



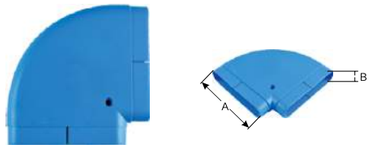
Floor Supply Air branch 1 divide 6

TYPE	SIZE(mm)				
	A	B	C	D	E
Branch 1-6	620	320	52	132	147



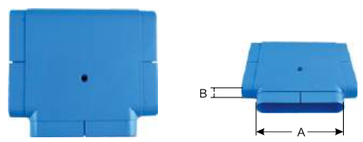
Floor Supply Air Bend 45°

TYPE	SIZE(mm)	
	A	B
Bend 45°	132	30



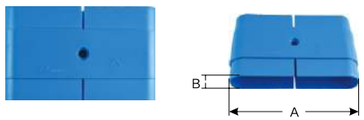
Floor Supply Air Bend 90°

TYPE	SIZE(mm)	
	A	B
Bend 90°	132	30



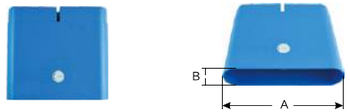
Floor Supply Air Tee

TYPE	SIZE(mm)	
	A	B
Tee	132	30



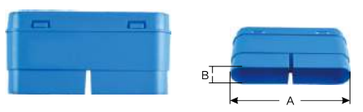
Floor Supply Air Joint

TYPE	SIZE(mm)	
	A	B
Joint	132	30



Air regulating damper

TYPE	SIZE(mm)	
	A	B
Damper	132	30

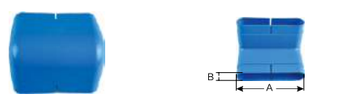


Box Joint

TYPE	SIZE(mm)	
	A	B
Box Joint	132	30

Wall Corner 45° Bend

TYPE	SIZE(mm)	
	A	B
Bend 45°	132	30



Wall Corner 90° Bend

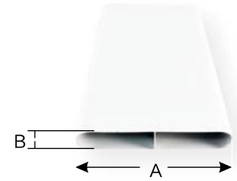
TYPE	SIZE(mm)	
	A	B
Bend 90°	132	30

Round to Flat

TYPE	SIZE(mm)		
	A	B	C
Round to Flat	132	30	75

End cap

TYPE	SIZE(mm)	
	A	B
End cap	132	30



Flat Duct

TYPE	SIZE(mm)	
	A	B
Flat Duct	132	30

Rectangular Plastic Duct and Fittings

DT
Duct
Size: 204×60mm, 220×90mm, 350×75mm

DCT
Duct Connector

DCP
Duct Clip

VB45
Vertical Bend 45 deg.

VB90
Vertical Bend 90 deg.

HB45
Horizontal Bend 45 deg

HB90
Horizontal Bend 90 deg

CBR
90 deg Connecting Bend with Reducer To-Round

LAR
Long Adaptor To-Round

TEE
Tee

ZENGO International Ltd
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+86 574 8907 9909
+86 137 7712 6235

Spiral Duct and Fitting

B90

B90X

B45

B45X

BF90

BF45

BP90

BP45

RC

RCX

RCF

RCFX

V

VX

VF

VXH

IL

ILX

ILR

ILRX

D

DF

PS

PSX

YP

YPX

TP

TPX

SD

FB

FRD

RS

Duct Damper

RDA

RDAX

RDB

RDD

RDC

BMC

PVA

IRIS

Quadrants

DR20

DR30

DQS60

DQS75

DB

PSR

DR-K

Stand Off

Access Door

CAD-A

CAD-B

FAD-A

FAD-B

FAD-C

TAD-A

TAD-B

TAD-D

Damper Actuator

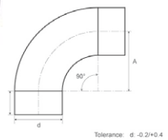
SJ

FSJ

TSJ

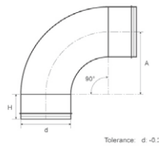
Spiral Duct and Fitting

B90
Bend

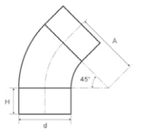


SIZE	d	A	H
80	78.9	100	40
100	98.9	100	40
125	123.9	125	40
150	148.9	150	40
160	158.9	160	40
180	178.9	180	40
200	198.9	200	40

B90X
Bend

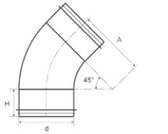


B45
Bend



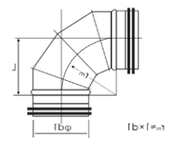
SIZE	d	A	H
80	78.9	100	40
100	98.9	100	40
125	123.9	125	40
150	148.9	150	40
160	158.9	160	40
180	178.9	180	40
200	198.9	200	40

B45X
Bend



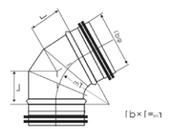
BF90

ϕd1 mm	L mm	ϕd1 mm	L mm
80	80	280	280
100	100	300	300
125	125	315	315
150	150	350	350
160	160	355	355
180	180	400	400
200	200	450	450
250	250	500	500



BF45

ϕd1 mm	L mm	ϕd1 mm	L mm
80	33	280	116
100	41	300	124
125	52	315	131
150	62	350	145
160	66	355	147
180	74	400	166
200	83	450	186
250	104	500	207

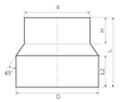


BP90

BP45

SIZE	D
100	98
125	123
150	148
160	158
200	198

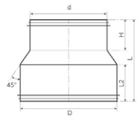
RC
Reducer



SIZE	D	d	L	H	L2
100 80	98.8	78.8	110	40	55
125 80	123.8	78.8	122	40	55
125 100	123.8	98.8	112	45	55
150 100	148.7	98.8	125	45	55
150 125	148.7	123.8	122	45	55
160 100	158.7	98.8	130	45	55
160 125	158.7	123.8	117	45	55
200 100	198.6	98.8	150	45	55
200 125	198.6	123.8	137	45	55
200 150	198.6	148.7	125	45	55
200 160	198.6	158.7	120	45	55
250 160	248.5	158.7	144	45	55
250 200	248.5	198.6	125	45	55
315 160	313.4	158.7	177	45	55
315 200	313.4	198.6	157	45	55
315 150	313.4	248.5	132	45	55
355 250	353.4	248.5	200	45	45
355 315	353.4	313.4	160	50	50

Tolerance: D: -0.2/+0.2 d: -0.2/+0.2 L: -10/+0 H: -5/+0 L2: -5/+0

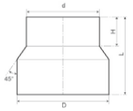
RCX
Reducer



SIZE	D	d	L	H	L2
100 80	98.8	78.8	100	35	50
125 80	123.8	78.8	112	35	50
125 100	123.8	98.8	102	40	50
150 100	148.7	98.8	115	40	50
150 125	148.7	123.8	112	40	50
160 100	158.7	98.8	120	40	50
160 125	158.7	123.8	107	40	50
200 100	198.6	98.8	140	40	50
200 125	198.6	123.8	127	40	50
200 150	198.6	148.7	115	40	50
200 160	198.6	158.7	110	40	50
250 160	248.5	158.7	134	40	50
250 200	248.5	198.6	115	40	50
315 160	313.4	158.7	167	40	50
315 200	313.4	198.6	147	40	50
315 150	313.4	248.5	122	40	50
355 250	353.4	248.5	190	40	40
355 315	353.4	313.4	150	45	45

Tolerance: D: -0.2/+0.2 d: -0.2/+0.2 L: -10/+0 H: -5/+0 L2: -5/+0

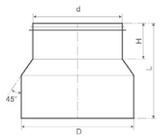
RCF
Reducer



SIZE	D	d	L	H
100 80	100.5	78.8	110	40
125 80	125.5	78.8	122	40
125 100	125.5	98.8	112	45
150 100	150.6	98.8	125	45
150 125	150.6	123.8	122	45
160 100	160.6	98.8	130	45
160 125	160.6	123.8	117	45
200 100	200.7	98.8	150	45
200 125	200.7	123.8	137	45
200 150	200.7	148.7	125	45
200 160	200.7	158.7	120	45
250 160	250.8	158.7	144	45
250 200	250.8	198.6	125	45
315 160	315.9	158.7	177	45
315 200	315.9	198.6	157	45
315 150	315.9	248.5	132	45
355 250	356	248.5	200	45
355 315	356	313.4	160	50

Tolerance: D: -0.2/+0.2 d: -0.2/+0.2 L: -10/+0 H: -5/+0

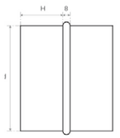
RCFX
Reducer



SIZE	D	d	L	H
100 80	100.5	78.8	105	35
125 80	125.5	78.8	117	55
125 100	125.5	98.8	107	40
150 100	150.6	98.8	120	40
150 125	150.6	123.8	117	40
160 100	160.6	98.8	125	40
160 125	160.6	123.8	112	40
200 100	200.7	98.8	145	40
200 125	200.7	123.8	132	40
200 150	200.7	148.7	120	40
200 160	200.7	158.7	115	40
250 160	250.8	158.7	139	40
250 200	250.8	198.6	120	40
315 160	315.9	158.7	172	40
315 200	315.9	198.6	152	40
315 150	315.9	248.5	127	40
355 250	356	248.5	195	40
355 315	356	313.4	155	45

Tolerance: D: -0.2/+0.2 d: -0.2/+0.2 L: -10/+0 H: -5/+0

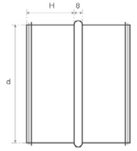
V
Coupling



Tolerance: d: -0.5/+0.5

SIZE	d	H
80	78.8	45
100	98.8	45
125	123.8	45
150	148.7	45
160	158.7	45
180	178.6	45
200	198.6	45
250	248.5	45
300	298.4	45
315	313.4	45
355	353.3	45
400	398.3	45

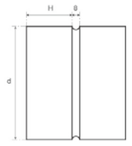
VX
Coupling



Tolerance: d: -0.5/+0.5

SIZE	d	H
80	78.8	40
100	98.8	40
125	123.8	40
150	148.7	40
160	158.7	40
180	178.6	40
200	198.6	40
225	223.6	40
250	248.5	40
280	278.5	40
300	298.4	40
315	313.4	40
355	353.3	40
400	398.3	40

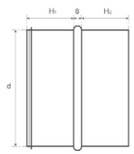
VF
Coupling



Tolerance: d: -0.5/+0.5

SIZE	d	H
80	80.5	45
100	100.5	45
125	125.5	45
150	150.6	45
160	160.6	45
180	180.6	45
200	200.7	45
225	225.7	45
250	250.8	45
280	280.8	45
300	300.9	45
315	315.9	45
355	356.0	45
400	401.0	45

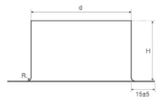
VXH
Coupling



Tolerance: H: -0.5/+0.5

SIZE	d	H1	H2
80	78.8	40	45
100	98.8	40	45
125	123.8	40	45
150	148.7	40	45
160	158.7	40	45
180	178.6	40	45
200	198.6	40	45
225	223.6	40	45
250	248.5	40	45
280	278.5	40	45
300	298.4	40	45
315	313.4	40	45
355	353.3	40	45
400	398.3	40	45

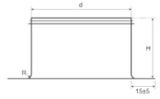
IL
Take-off



Tolerance: d: -0.2/+0.2 H: -0.5/+0

SIZE	d	H	R
80	78.8	45	4
100	98.8	45	4
125	123.8	45	4
150	148.7	45	4
160	158.7	45	4
200	198.6	45	4
250	248.5	45	4
315	313.4	45	4
355	353.3	45	4
400	398.3	45	4

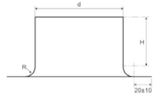
ILX
Take-off



Tolerance: d: -0.2/+0.2 H: -0.5/+0

SIZE	d	H	R
80	78.8	40	4
100	98.8	40	4
125	123.8	40	4
150	148.7	40	4
160	158.7	40	4
200	198.6	40	4
250	248.5	40	4
315	313.4	40	4
355	353.3	40	4
400	398.3	40	4

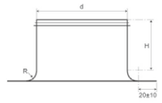
ILR
Take-off



Tolerance: d: -0.2/+0.2 H: -0.5/+0

SIZE	d	H	R
80	78.8	45	12
100	98.8	45	15
125	123.8	45	20
150	148.7	45	20
160	158.7	45	25
200	198.6	45	25
250	248.5	45	25
315	313.4	45	25

ILRX
Take-off



Tolerance: d: -0.2/+0.2 H: -0.5/+0

SIZE	d	H	R
80	78.8	40	12
100	98.8	40	15
125	123.8	40	20
150	148.7	40	20
160	158.7	40	25
200	198.6	40	25
250	248.5	40	25
315	313.4	40	25

D
End Cap

Tolerance: d: -0.2/+0.2

SIZE	d	H	R
80	78.8	20	5
100	98.8	20	5
125	123.8	20	5
150	148.7	20	5
160	158.7	20	5
180	178.6	20	5
200	198.6	20	5
250	248.5	20	5
315	313.4	20	5
355	353.4	20	5
400	398.4	20	5

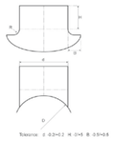
DF
End Cap

Tolerance: d: -0.5/+0

SIZE	d	H	R
80	80.5	40	4
100	100.5	40	4
125	125.5	40	4
150	150.6	40	4
160	160.6	40	4
180	180.6	40	4
200	200.7	40	4
250	250.8	40	4
315	315.9	40	4
355	356.0	40	4
400	401.0	40	4

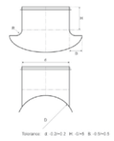
Airandus
Around you Around us
Spiral Duct and Fitting, Damper, Access Door

PS
Collar Saddle



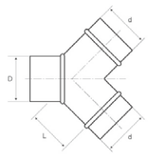
SIZE	D	d	H	B	R
100 100	100	98.8	40	32	12
125 100	125	98.8	40	32	12
160 100	160	98.8	40	32	12
200 100	200	98.8	40	32	12
125 125	125	123.8	40	32	12
160 125	160	123.8	40	32	12
200 125	200	123.8	40	32	12
250 125	250	123.8	40	32	12
160 160	160	158.7	40	36	16
200 160	200	158.7	40	36	16
200 200	200	198.6	40	50	20

PSX
Collar Saddle

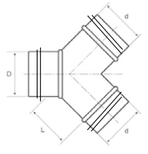


SIZE	D	d	H	B	R
100 100	100	98.8	40	32	12
125 100	125	98.8	40	32	12
160 100	160	98.8	40	32	12
200 100	200	98.8	40	32	12
125 125	125	123.8	40	32	12
160 125	160	123.8	40	32	12
200 125	200	123.8	40	32	12
250 125	250	123.8	40	32	12
160 160	160	158.7	40	36	16
200 160	200	158.7	40	36	16
200 200	200	198.6	40	50	20

YP
Y-pieces

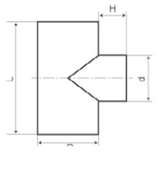


YPX
Y-pieces

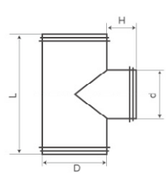


SIZE	D	d	L
100 80	98.8	78.8	130
100 100	98.8	98.8	140
125 100	123.8	98.8	150
125 125	123.8	123.8	170
160 100	158.7	98.8	195
160 125	158.7	123.8	200
160 160	158.7	158.7	205
...	...	...	...

TP
T-pieces

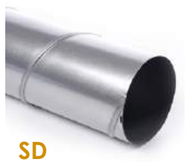


TPX
T-pieces



SIZE	D	d	L	H
100 80	98.8	78.8	140	45
100 100	98.8	98.8	160	45
125 80	123.8	78.8	140	45
125 100	123.8	98.8	160	45
125 125	123.8	123.8	200	45
150 80	148.7	78.8	140	45
150 100	148.7	98.8	160	45
...	...	...	...	...

ϕD mm	T mm	ϕD mm	T mm	ϕD mm	T mm	ϕD mm	T mm
80	0.6	280	0.6	550	0.8	1100	1.0
100	0.6	300	0.6	600	0.8	1200	1.0
125	0.6	315	0.6	630	0.8	1250	1.0
150	0.6	350	0.6	650	0.8	1300	1.0
160	0.6	355	0.6	700	0.8	1350	1.2
180	0.6	400	0.8	800	0.8	1400	1.2
200	0.6	450	0.8	600	1.0	1450	1.2
250	0.6	500	0.8	1000	1.0	1500	1.2



SD
Spiral Duct

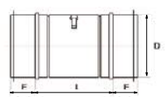
FB
Filter Box for Round Duct

- The box filter cassette is fitted with a standard type EU3 panel filter.
- Manufactured from galvanized sheet steel with rubber sealed circular connections, toggle locks and disposable filters.
- Replacement air filter is also available.
- The filter cassette is suitable for use as a supply is filter in heavy industry and industrial workshops.
- The recommended final pressure drop is 170 Pa for the EU3 filter.

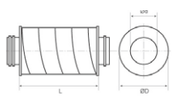
FRD
Round Duct Filter

- FRD round duct filter is used for initial filtration of flowing air in round duct systems.
- Filtering element is an EU4 class inset secured with a galvanized net.
- Cover is made from galvanized steel with gaskets on both ends.
- Construction ensures easy and fast assembly.

TYPE	D mm	L mm	E mm
FRD100	100	120	40
FRD125	125	120	40
FRD160	160	120	40
FRD200	200	120	40
FRD250	250	120	40
FRD315	315	120	40
FRD355	355	120	40
FRD400	400	140	50
FRD500	500	140	50



RS
Round Duct Silencer



SIZE	ϕd	ϕD	L
100	100	200	300
100	100	200	600
100	100	200	900
100	100	200	1200
125	125	224	300
125	125	224	600
125	125	224	900
125	125	224	1200
160	160	280	300
160	160	280	600
160	160	280	900
160	160	280	1200

SIZE	ϕd	ϕD	L
200	200	315	300
200	200	315	600
200	200	315	900
200	200	315	1200
250	250	355	600
250	250	355	900
250	250	355	1200
315	315	500	600
315	315	500	900
315	315	500	1200
400	400	600	600
400	400	600	900

Spiral Duct and Fitting, Damper, Access Door

Duct Damper

RDA

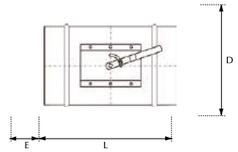
RDAX

RDB

RDBX

Regulating Damper

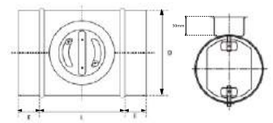
- Galvanized steel.
- EPDM (DSX) rubber gasket.
- Branching connection.
- Fusion welded (linear weld).
- Possibility of use for different types of mechanism.



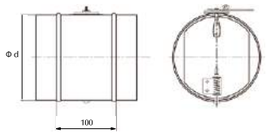
D(mm)	L(mm)	E(mm)
80	110	30
100	110	30
125	110	30
140	110	30
150	110	30
160	110	30
180	110	30
200	110	30
225	110	30
250	140	40
280	140	40
300	140	40
315	140	40
...	...	...

Regulating Damper

- Designed to admit an insulation thickness of up to 50mm.
- The damper blade can be adjusted on the shaft within a range of 0° to 90°, The blade can be locked using a screw.



D(mm)	L(mm)	E(mm)
80	100	40
100	100	40
125	100	40
140	100	40
150	100	40
160	100	40
180	100	40
200	100	40
225	100	40
250	100	40
280	100	40
300	100	40
315	100	40
...	...	...



RDD
Regulating Damper

- Position of the damper plane is visible on a handle within 0° to +90°.
- The damper plane can be fixed by means of a bolt with a wing-nut weight.

Quadrants

DR20
Damper Quadrant

- 1/4" and 3/8" dial regulator are the most popular models on the market.
- Minimize air leakage and reduce rattle. A wing nut locks the damper in position.
- The dial shows the damper position at a glance.
- Can be mounted easily on round or rectangular ducts.
- For dampers up to: 250mm (10") Diameter
- Set Includes:
  Dial parts with handle (1/4" spring loaded end spindle)
  Wing nut, washer&bolt (1/4" spring loaded end spindle 1/4"Square spindle)

DR30
Damper Quadrant

- For dampers up to : 500mm (20") Diameter
- Set Includes:
  Dial parts with handle (3/8" spring loaded end spindle)
  Wing nut, washer&bolt (3/8"Square spindle)

DQS60
Damper Quadrant

- For dampers up to : 700mm (30") Diameter.
- Set Includes: Quadrant
  Handle
  Wing nut, washer & bolt
  1/2" Square spindle
  1/2" Round spindle

DQS75
Damper Quadrant

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

DB
Damper Blade

- Plain damper blade, grooved damper blade.
- Galvanized steel, carbon steel,etc.
- Spring bearing, solid bearing, stud.
- Size available in 150mm to 450mm.

PSR
Plastic Damper Regulator

- Made of Nylon material.
- Very easy to handle.
- It is recommended for round or square duct up to 250mm (10").
- Can be applied for damper blade thickness max. 1mm.

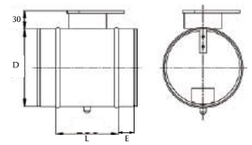
DR-K
Rapid Damper Regulator

- Set includes:
  Handle
  Short clip bearing
  Long clip bearing
  Wing nut and washer
  Packing: 100 sets per carton

DR-M
Rapid Damper Regulator

- For dampers up to: 250mm (10") Diameter
- Sit includes:
  Handle Wing nut, washer and bolt
  Spring loaded end spindle
  Oval threaded spindle
  Packing: 100 sets per carton

Stand Off
Stand Off Damper Regulator



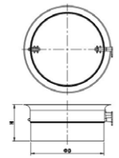
RDC
Regulating Damper

- The RDC damper construction enables to use up to 30mm insulation.
- Position of the damper plane is visible on a handle within 0° to 90°.
- The damper plane can be fixed by means of a bolt. Ends are made with a safe edge.

D(mm)	L(mm)	E(mm)
80	100	40
100	100	40
125	100	40
140	100	40
150	100	40
160	100	40
180	100	40
200	100	40
225	100	40
250	100	40
280	100	40
...	...	...

BM
Bellmouth Spigot Plain

BMC
Bellmouth Spigot with Balancing Damper

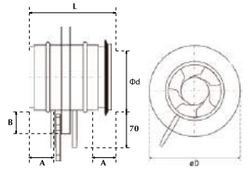


- Light weight, strong and stackable for convenient storage and transport.
- Uniquely designed with 'DUCT LANCES' to help secure flexible duct.
- Sizes: 100mm, 150mm, 200mm, 250mm, 300mm, 350mm, 400mm, 450mm, 500mm diameters.

PVA
Back Draught Damper

- 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 inner foam seal for better tightness and noise reducing.
- 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 duct.

Model	ϕD	L1	L
100	96	6	88
125	121	19	88
150	146	31	88
160	155	36	88
200	197	56	88
250	247	61	128
315	312	94	128
355	352	65	198
400	397	64	198
450	447	80	248
500	497	107	248



IRIS
Iris Damper

- With the IRIS damper the intensity of air flow may be continuously adjusted.
- Adjustment is done with a handle on the damper which changes the diameter of the opening which may be used to connect.
- Instrumentation measuring the intensity of air flow.
- Also supplied with a gasket which tightens the connection with the system.

Art. No	Art Flow		Dimension			
	min m³/h	Max m³/h	mm			
	35dB(A)	55dB(A)	d	D	L	A
IRIS 100	40	270	99	165	110	30
IRIS 125	60	400	124	188	110	30
IRIS 160	120	600	159	230	110	30
IRIS 200	270	1100	199	285	110	30
IRIS 250	280	1600	249	335	135	35
IRIS 315	400	2500	314	410	135	35

RDF
Regulating Damper

- 5mm foil backed insulation.
- Sizes:
  150mm, 200mm, 250mm, 300mm, 350mm, 400mm, 450mm, 500mm.

Access Door

CAD-A

Curved Access Door

- Designed for trouble-free access to volume and fire control dampers, associated ventilation and air conditioning equipment mounted within ductwork.
- Coming with a self adhesive template helping measuring on the spiral duct.
- Door panels are available in aluminium and stainless steel to special order.

Size	Dia
180mm×80mm	≤125mm
250mm×150mm	150/160mm
250mm×150mm	180/200mm
250mm×150mm	250mm
250mm×150mm	300/315mm
250mm×150mm	355mm
250mm×150mm	400mm
400mm×300mm	450mm
400mm×300mm	500mm
400mm×300mm	560mm
400mm×300mm	630mm
400mm×300mm	710/800mm

CAD-B

Curved Access Door

- Designed for trouble-free access to volume control and fire dampers.
- Every access door is coming with a self-adhesive template helping measuring on the spiral duct.

Specification (mm)	
180mm×80mm	ϕ100/125 ϕ160 ϕ200
250mm×150mm	ϕ150/160 ..... ϕ450/500
300mm×200mm	ϕ315/355 ..... ϕ450/500
400mm×300mm	ϕ400/450 ..... ϕ710/800

FAD-A

Flat Access Door

- Material: Galvanized steel DX51 D+Z 275 and Galvanized steel DX51 D+Z 80 are avaliable.
- Gasket: cellular sponge gasket.
- Locking Knob color: usually red and blue color available.
- Bolts/nuts: Mild steel and Zn coating.

Size
200mm×100mm
300mm×150mm
300mm×200mm
400mm×300mm
500mm×300mm
500mm×400mm
600mm×500mm

FAD-B

Flat Access Door

- Material: Galvanized steel DX51 D+Z 275 and Galvanized steel DX51 D+Z 80 are available.
- Gasket: cellular sponge gasket.
- Locking Knob color: usually red and blue color available.
- Bolts/nuts: Mild steel and Zn coating.

Size
180mm×80mm
200mm×100mm
250mm×150mm
300mm×200mm
400mm×300mm
500mm×400mm
600mm×450mm

FAD-C

Flat Access Door

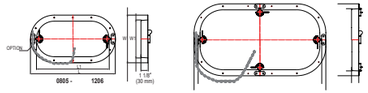
- Used as an easy resealable way of gaining access to rigid air conditioning ducts and conditioner housings for equipment maintenance and cleaning purposes.
- Designed for ease of operation, Simply turn the galvanized steel sash came provided on the panel to un-lock then remove from its frame.

FAD-D

Flat Access Door

- Material: 22ga (0.85) galvanized door panel and flanged frame (Die-formed).
- Hinge: Plated steel camlock fasteners.
- Insulation: 1" (25) Styrofoam with a 22ga galvanized backing plate.
- Monting: 3/16" (5) dia. pre-punched holes on inner flange for surface mounting.
- Application: Adaptable to all Ducts 5" (127) or Over.
- Template: Layout template included on each box.

Model	Nominal Size	L1	W1	LW	
0805	8"×5" (200mm×125mm)	5 1/8" (205mm)	5" (129mm)	9 1/2" (241mm)	6 1/2" 165mm)
1206	12"×6" (300mm×150mm)	12 1/8" (309mm)	6 1/2" (158mm)	13 3/4" (349mm)	7 3/4" (198mm)
1810	18"×10" (460mm×250mm)	18 1/2" (462mm)	10 1/4" (260mm)	19 3/4" (502mm)	11 7/8" (300mm)
2114	21"×14" (530mm×360mm)	21 1/4" (540mm)	14 1/8" (360mm)	13 7/8" (580mm)	15 3/4" (400mm)
2517	25"×17" (635mm×430mm)	25 1/8" (640mm)	17 1/4" (438mm)	26 3/4" (680mm)	19 7/8" (478mm)



TAD-A

TAD Access Doors

- Designed to provide access to all in-duct equipment for inspection, maintenance and cleaning.
- All doors are of double-skin construction, using 0.8mm galvanized steel enclosing 25mm 60kg/m2 fibreglass insulation.
- A flame retardant gasket fixed to the door reduces the risk of air leakage.
- A positive seal is achieved by the use of camlock fasteners.

Size	Size
100mm×100mm	400mm×400mm
150mm×150mm	450mm×300mm
200mm×125mm	450mm×450mm
200mm×200mm	500mm×500mm
250mm×250mm	600mm×300mm
300mm×150mm	600mm×400mm
300mm×200mm	600mm×450mm
300mm×300mm	600mm×600mm
400mm×300mm	

TAD-B

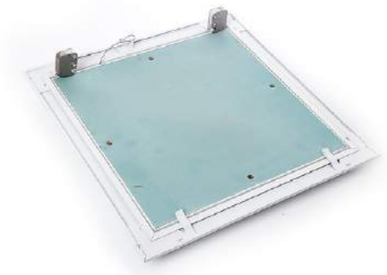
TAD Access Doors

- Frame thickness: 1.0mm
- Curved frame is one piece construction without mitres or welds.
- Use concealed piano hinge and cylinder lock.
- RAL 9016 as standard, other colors on request.

Specification	Neck size	Overall size
200mm×200mm	195mm×195mm	235mm×235mm
.....	.....	.....
600mm×600mm	595mm×595mm	635mm×635mm

Airandus
Airound you Airound us
Spiral Duct and Fitting, Damper, Access Door

TAD-C
TAD Access Doors



TAD-D
TAD Access Doors

Damper Actuator

SJ series
Standard Angular Travel Actuator

Model	Output Torque	Supply Voltage	Running Time	Control Signal	Optional Auxiliary Switch
SJ0224/230-K/K F	2N	24V/230V	20-25S	Switch control	A set of auxiliary switches
SJ0224/230-M/M F	2N	24V/230V	20-25S	0/2-10v 0/4-20MA	A set of auxiliary switches
SJ0424/230-K/K F	4N	24V/230V	25-30S	Switch control	Two sets of auxiliary switches
SJ0424/230-M/M F	4N	24V/230V	25-30S	0/2-10v 0/4-20MA	Two sets of auxiliary switches
SJ0624/230-K/K F	6N	24V/230V	25-30S	Switch control	Two sets of auxiliary switches
SJ0624/230-M/M F	6N	24V/230V	25-30S	0/2-10v 0/4-20MA	Two sets of auxiliary switches
SJ0824/230-K/K F	8N	24V/230V	30-45S	Switch control	Two sets of auxiliary switches
SJ0824/230-M/M F	8N	24V/230V	30-45S	0/2-10v 0/4-20MA	Two sets of auxiliary switches
SJ1624/230-K/K F	16N	24V/230V	30-45S	Switch control	Two sets of auxiliary switches
SJ1624/230-M/M F	16N	24V/230V	30-45S	0/2-10v 0/4-20MA	Two sets of auxiliary switches
SJ2424/230-K/K F	24N	24V/230V	120-160S	Switch control	Two sets of auxiliary switches
SJ2424/230-M/M F	24N	24V/230V	120-160S	0/2-10v 0/4-20MA	Two sets of auxiliary switches
SJ3224/230-K/K F	32N	24V/230V	160-200S	Switch control	Two sets of auxiliary switches
SJ3224/230-M/M F	32N	24V/230V	160-200S	0/2-10v 0/4-20MA	Two sets of auxiliary switches
SJ4024/230-K/K F	40N	24V/230V	200-220S	Switch control	Two sets of auxiliary switches
SJ4024/230-M/M F	40N	24V/230V	200-220S	0/2-10v 0/4-20MA	Two sets of auxiliary switches

FSJ series
Fast Angular Travel Actuator

Model	Output Torque	Supply Voltage	Running Time	Control Signal	Optional Auxiliary Switch
FSJ0524/230-K/K F	5N	24V/230V	3.5S	Switch control	A set of auxiliary switches
FSJ0524/230-M/M F	5N	24V/230V	3.5S	0/2-10v 0/4-20MA	A set of auxiliary switches
FSJ0824/230-K/K F	8N	24V/230V	8S	Switch control	Two sets of auxiliary switches
FSJ0824/230-M/M F	8N	24V/230V	8S	0/2-10v 0/4-20MA	Two sets of auxiliary switches
FSJ1624/230-K/K F	16N	24V/230V	16S	Switch control	Two sets of auxiliary switches
FSJ1624/230-M/M F	16N	24V/230V	16S	0/2-10v 0/4-20MA	Two sets of auxiliary switches
FSJ2424/230-K/K F	24N	24V/230V	＜ 30S	Switch control	Two sets of auxiliary switches
FSJ2424/230-M/M F	24N	24V/230V	＜ 30S	0/2-10v 0/4-20MA	Two sets of auxiliary switches
FSJ4024/230-K/K F	40N	24V/230V	＜ 30S	Switch control	Two sets of auxiliary switches
FSJ4024/230-M/M F	40N	24V/230V	＜ 30S	0/2-10v 0/4-20MA	Two sets of auxiliary switches

TSJ series
Spring Return Angular Travel Actuator

Model	Output Torque	Supply Voltage	Running Time	Reset Time	Control Signal	Optional Auxiliary Switch
TSJ0524-K	5N	24V	3.5S	3.5S	Switch control	/
TSJ0524-K F	5N	24V	3.5S	3.5S	Switch control	Two sets of auxiliary switches
TSJ05230-K	5N	230V	8S	8S	Switch control	/
TSJ05230-K F	5N	230V	8S	8S	Switch control	Two sets of auxiliary switches

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Ductwork Hangers and Support

SCP-A

SCP-B

SCP-C

SCP-E

SCP-D

SCP-H

TRS

PB

PB-D

FHW

LH

ZH

VH

VHN

ZHF

AHF

LHF

SAB

CCH

NMN

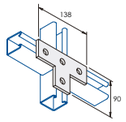
BCP

TRD

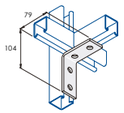
SSC

RLC

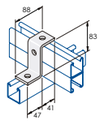
Support Channel Fittings and Brackets



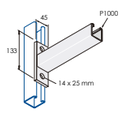
ZG22



ZG14



ZG24



ZG40/300/450/600

Ductwork Assembly

FCN

CR

GCP

VF

EFTP

PalDuct Accessories

Fasteners

HWS

HHB

HHBF

HN

HNF

CNU

CPW

DTS

UBT

NYP

SDIA

BDIA

WA

BR

BRO

SSH

SDSR

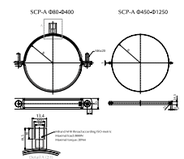
SDSH

SDSC

SCA

Ductwork Hangers and Support

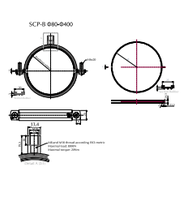
SCP-A
Spiral Duct Clamp



- Used for suspension of rigid circular ducts.
- Dia 80 up to 400mm with screw M6 on either side, 1-point suspension with M8/M10 nut on top.
- Dia 450 up to 800mm with 2-point suspension with M10 hole on either side.
- It ensures fast assembly thanks to an easy system of locking and tightening.
- Version with a gasket prevents the transmission of vibrations from the system to the building's structure.

Size	T	Connection nut	Size	T	Connection nut
80	1,5	M8+M10	280	1,5	M8+M10
100	1,5	M8+M10	300	1,5	M8+M10
125	1,5	M8+M10	315	1,5	M8+M10
140	1,5	M8+M10	355	1,5	M8+M10
150	1,5	M8+M10	400	1,5	M8+M10
160	1,5	M8+M10	450	2,5	M10
180	1,5	M8+M10	500	2,5	M10
200	1,5	M8+M10	560	2,5	M10
225	1,5	M8+M10	600	2,5	M10
250	1,5	M8+M10	...	...	...

SCP-B
Spiral Duct Clamp



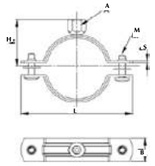
SCP-C
Split Rings for Spiral Duct

- For suspension of circular ducting.
- For insulated duct it is recommended that the suspension ring is mounted inside the insulation.

SCP-D
Suspension Clamp for Air Duct

SCP-E
Pipe Clamp with Hex Nut

- Used for mounting of pipes to the walls(vertical/horizontal), ceilings and floors.
- EPDM lining for: noise reduction level up to 15 dB according to DIN 4109
  vibration reduction
  partial compensation of thermal expansion
- Easy and safe assembly through Philips combi side screws.
- Side screws are protected against loss during assemble with the help of plastic washers.
- Electro galvanized for corrosion resistance (Plating thickness 8-10 micron).



Size	ϕD	L	H	S*B	M	A
1/8"	8-11	50	16.5	1,0*20	M6	M8
1/4"	11-15	58	18	1,0*20	M6	M8
3/8"	16-20	61	19.5	1,0*20	M6	M8
1/2"	20-24	63	22	1,0*20	M6	M8
3/4"	25-28	69	24	1,0*20	M6	M8
1"	32-35	77	28	1,2*20	M6	M8
1 1/4"	39-46	84	31.5	1,2*20	M6	M8
...	...	...	...	...	...	...

SCP-H
Sprinkler Clamp

- Used for freely hanging of horizontal pipe lines.
- Used for sprinkler system installations.
- Used for fire extinguishing systems.
- Height adjustment through threaded rods.
- Electro galvanized for corrosion resistance (Plating thickness 8-10 micron)

TRS
Terrace Roof Stand

- Support of circular duct, Variable height from 280 to 450mm screws M8
- 150×100mm or 300×300mm base plate.

FHW
Fast Hanging Wire Kit

RLC
Rapid Lock Pipe Clamp

PB
Steel Perforated Band

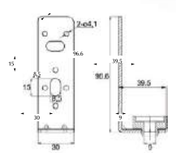
- Made of galvanized perforated steel with assorted holes, which selected according to the type, allow fixing of threaded rods, threaded clamps, bolts, etc.
- The small holes can be used with rivets, screws or nails.

Width×Thickness mm	Roll length m
17×0.6/ 0.8/1.0	10/25
20×0.6/ 0.8/1.0	10/25
25×0.6/ 0.8/1.0	10/25

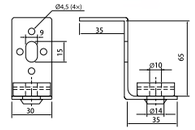
PB-D
Dispenser Perforated Band

- 10m per rolls perforated band with a plastic dispenser, which can be collected and handled easily.

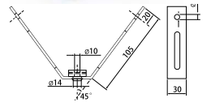
Material	Width×Thickness mm	Roll length m	Hole Diameter ϕ mm
galvanized steel	12×0.6	10	5
galvanized steel	17×0.6	10	7



LH
L Holder



ZH
Z Holder



VH
V Holder

VHN
V Holder with Nut

ZHF
Holder French Z Type

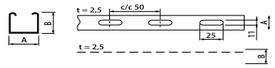
AHF
Holder French A Type

LHF
Holder French L Type

SAB
Shock Absorber

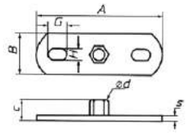
CCH
C Channel

- Surface finish: Electro zinc plated.
- Available as plain or slotted.



Dim A	Dim B	Length (mm)	Thickness t(mm)
41	21	3000	1.6
41	21	6000	2.5
41	41	3000	1.6
41	41	6000	2.5

NMN
Nut Mount



d	A	B	C	G	H	E	S
M8/10	80	30	16	18	9	52	3
M8/10	120	40	17	18	11	80	4

BCP
Beam Clamp

- Used for the mounting of parts of air conditioning and ventilation systems on beams of max 19mm thickness.
- In combination with threaded rods.
- Available in size: M6, M8, M10, M12.

TRD
Threaded Rod

- The threaded rod is produced according to the standard DIN 976-1.
- Threaded Rod acts as a connector in hanging of air ducts systems.
- Galvanized plated against corrosion.
- Grade: 4.8

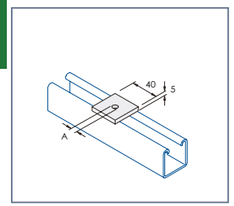
SSC
Stiffening Steel Cross

- Designed for cross connection of big diameters stiffening pipes.
- Made of 3mm galvanized steel, which guarantees resistance to high temperatures necessary.

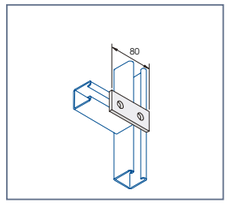
CNUS
Channel Nut
With Long Spring

Support Channel Fittings and Brackets

ZG00



ZG01



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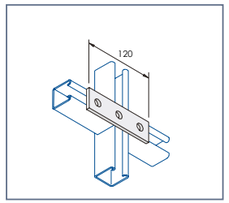

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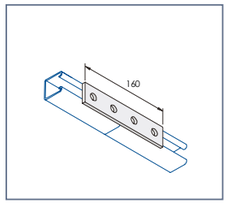

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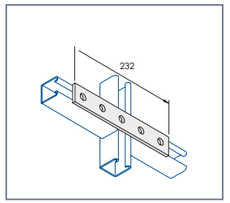

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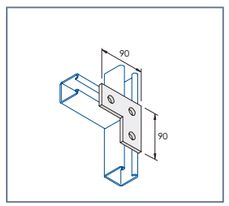

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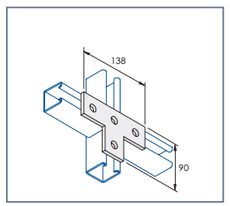

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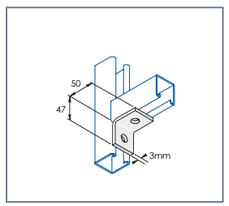

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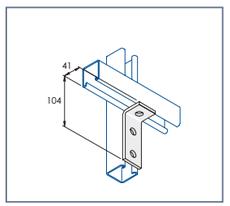

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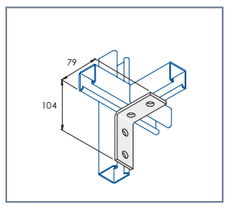

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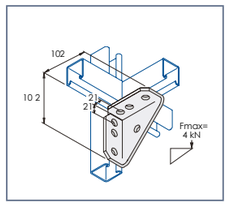

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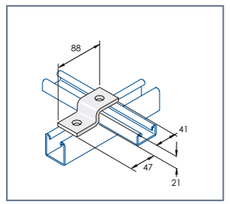

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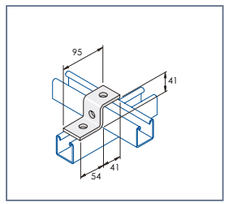

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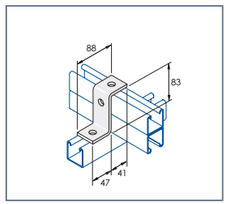

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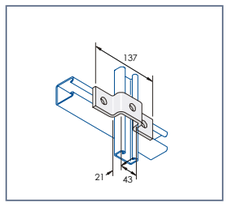

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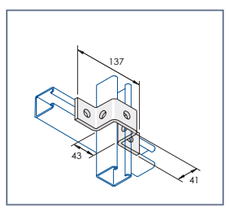

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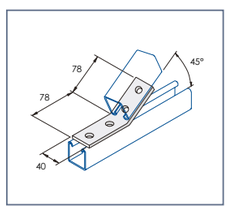

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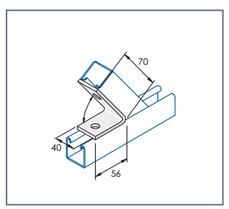

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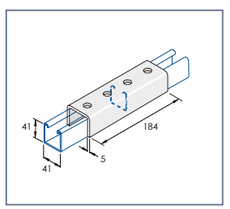

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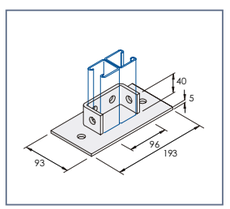

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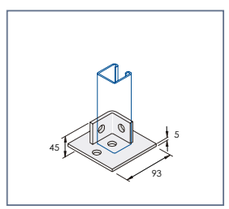

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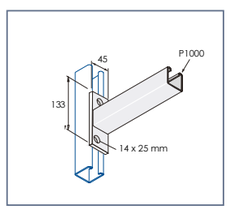

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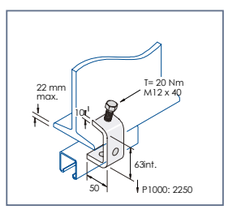
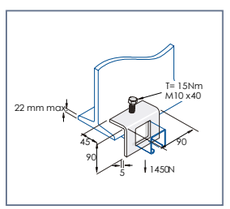


ZG45/41/21



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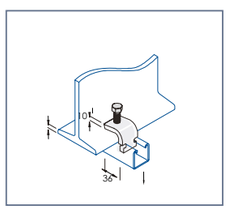
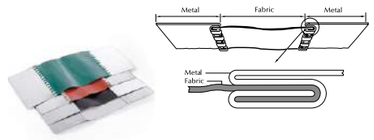


Ductwork Assembly

Metal+ Coated Fabric+Metal	Length
35mmx60mmx35mm	25m/50m
45mmx60mmx45mm	25m/50m
45mmx70mmx45mm	25m/50m
45mmx75mmx45mm	25m/50m
70mmx100mmx70mm	25m/50m

FCN

Flexible Duct Connector



- Help to prevent transmission of vibration and noise between air treatment group and a ductwork.
- Different types of connections are available (metal or fibre) so that the user could choose the best solution for installation.
- Temperature range from -30℃ to +250℃ according to different fabric used.

	PVC	Silicone	Canvas
Base Fabric	Polyester	Fiber glass	Cotton
Coating	PVC (Both Sides)	Silicone (Both Sides)	Chemical Coating
Color	Grey & Black	Grey	Green
Temperature Range	-30℃ / +80℃	-50℃ / +280℃	+80℃
Fire Resistance	Fire Retardant	Fabric: non-combustible Coating: fl ame proof	Fire Retardant
Specifications	Suitable for general applications	Suitable for high temperature applications (400℃ /2h)	Versatile and cost effective
	Economical choice	High resistance to weathering and chemicals	Resistant to humidity and milds

GCP

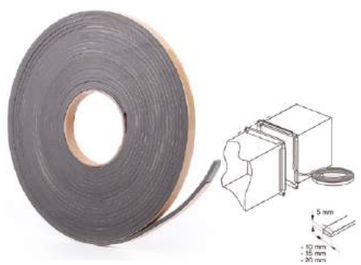
Duct Flange Clamp

- For the intermediate clamping of slide on flange systems.
- Can be used in conjunction with all rectangular flange systems.
- M8×25mm bolt.
- Thickness-2.5 and 3mm
- Material-Formed Zinc-Coated Steel.

VF

Vane Fastener

- This connector allows the user to install air fins with 0.4-1.13mm sheet metal in ventilation segmented fittings.
- Made of galvanized steel.
- Supplied with a rubber gasket which makes the connection air tight.



EFTP

EVA Foam Tape (EVA Gasket Tape)

PalDuct Components & Accessories

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Around you Airound us
Ductwork Components and Accessories

Duct Corners

DC Series

DC20

DC30

DC40

DOC Series

DOC20

DOC30

DOC40

ITC Series

ITC25

ITC30

KF Series

KF20F

KF20V

KF20VH

KF20VL

KF30F

KF30V

KF30VH

KF30VK

KF40V

KF203

KF303

KF303H

KS Series

KS203

KS404

NL Series

NL20

NL200

XL Series

XL25

XL35

XL35A

XL233

ZDC Series

ZDC20

ZDC40

ZDC301

ZDC302

FFC Series

FFC1

FFC2

FFC3

FHC

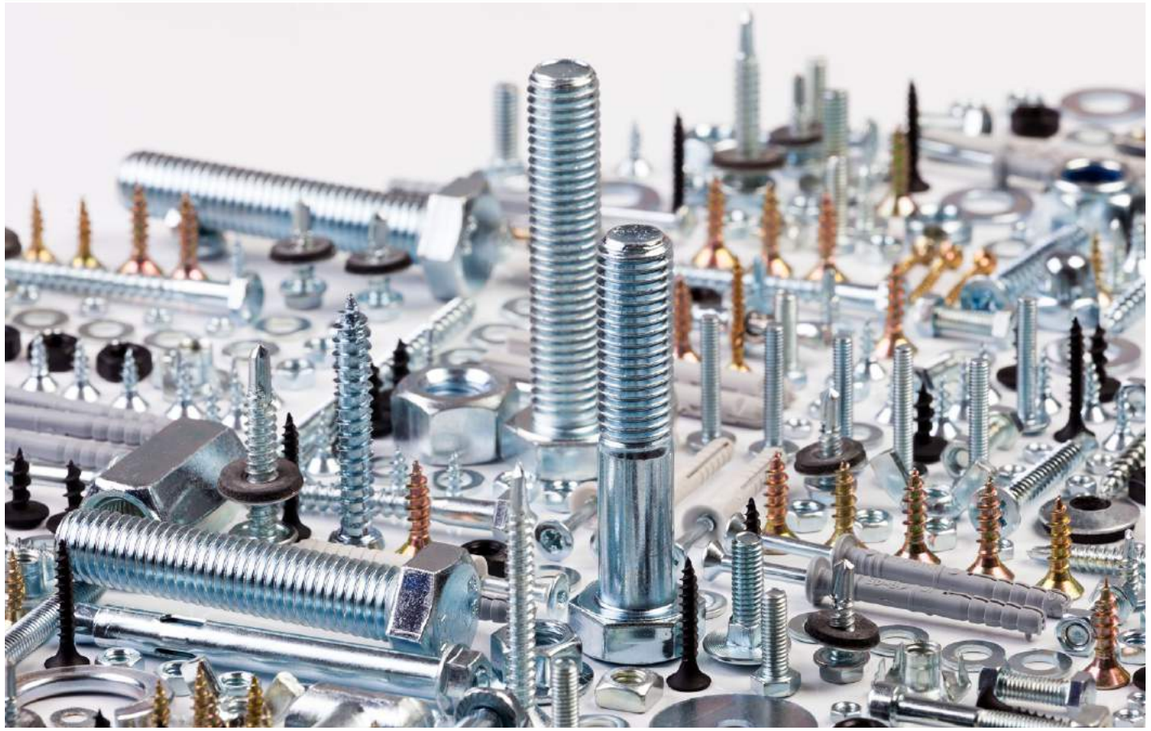
GBC Series

GBC96

GBC104

GBC107

Fasteners



HWS
Hex Head Wood Screw

HHB
Hex Head Bolt

HHBF
Hex Head Bolt with Flange

HN
Hex Nut

HNF
Hex Nut with Flange

CNU
Hex Coupling Nut

CPW
Circular Plain Washer

DTS
Double Thread Screw

UBT
U Bolt

NYP
Nylon Plug

SDIA
Steel Drop In Anchor

BDIA
Brass Drop In Anchor

WA
Wedge Anchor

BR
Pressure-tight blind rivet

BRO
Blind Rivet Open End

SSH
Steel Screws
with Hex Head

SDSR
Self-drilling Screws with
Square Recess Head

SDSH
Self-drilling Screws
with Hex Head

SDSC
Self-drilling Screws
with Cross Head

SCA
Screw Cap

Adhesive Tapes

AF

AFSK

AFG

AFSW

PMTP

PTP

URTP

GTP

EFTP

RFTP

RFTP-R

PETP

Thermal Insulation Material

RIR

SRIR

SPEFR

PEFR-A

GWR

GWR-A

SIP

Sealant

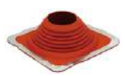
NASS

NSS

FPUF

ZSP

RFLR


RFLS

Airandus
Airandus Around you Around us
Adhesive Tapes, Thermal Insulation Material, Sealant

Adhesive Tapes

AF
Aluminium Foil Tape

- Aluminum foil tape is made of soft and high-strength pure aluminum foil, coated with high-performance pressure-sensitive adhesive, and compounded with single-sided coating polyethylene and silicone release paper.

Foil Thickness	Adhesive System	Peel Strength	Initial Tack	Holding Power	Temperature Resistance
18-50μm	Acrylic/Rubber	≥18N/25mm	≤200mm	≥24h	-20~+120℃

AFSK
Aluminium Reinforced Tape

- The aluminium reinforced foil tape is made of reinforced aluminum foil, coated with high-performance pressure-sensitive adhesive, and compounded with single-sided polyethylene and silicone release paper.

Foil Thickness	Adhesive System	Peel Strength	Initial Tack	Temperature Resistance
7μm	Acrylic/Rubber	≥20N/25mm	≤200mm	-20~+120℃

AFG
Aluminium Glass Cloth Tape

- The aluminium glass cloth tape is made of Glass fiber cloth, coated with high-performance pressure-sensitive adhesive, and compounded with single-sided polyethylene and silicone release paper.

Foil Thickness	Adhesive System	Peel Strength	Initial Tack	Temperature Resistance
7/18μm	Acrylic/Rubber	≥20N/25mm	≤200mm	-20~+120℃

AFSW
Self Wound Aluminum Foil Tape

- Aluminum foil tape products are made of soft and high-strength pure aluminum foil/ PET composite aluminum foil, coated with high-performance pressure-sensitive adhesive.

Foil Thickness	Adhesive System	Peel Strength	Initial Tack	Holding Power	Temperature Resistance
30-75μm	Acrylic/ Rubber	≥15N/25mm	≤200mm	≥24h	-20~+120℃

PMTP
PP Metalized Tape

- Single sided self adhesive tape with aluminum duct.
- Used to steam tighten AC or central heating systems.

Total thickness	Glue	Temperature range	Peel adhesion
0.05mm	Acryl	-20℃ - +80℃	25 N / 25mm

PTP
PVC Duct Tape

- PVC tape with an adhesive coat on one side.
- Used on ductwork to provide an airtight seal, a secure and long lasting.

Length	Usage temperature	Total thickness	Adhesive type	Color
10/20/50	-10℃ / +80 ℃	190μ	synthetic rubber	black white grey etc.

URTP
Universal Repair Tape

- Single sided self adhesive tape is perfect for connecting insulations in AC and ventilation systems.

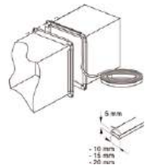
Total thickness	Glue	Temperature range	Peel Adhesion	Tensile Strength
0.22mm	acryl	0℃ +80℃	＞1.5 N/25mm	8 N/cm

GTP
Glassfiber Tape

- The product is woven into mesh with fiberglass and coated with anti-alkaline resin.
- Very strong, self-adhesive, dimensionally stable and corrosion resistant.

Width (mm)	Thickness (mm)	Tensile strength	Elongation at break
10-150	0.8-3.0	570-870N/25mm	106%-107%

EFTP
EVA Foam Tape



- Material: EVA Foam
- Size: 5mm×10mm×15m
  5mm×15mm×15m
  5mm×20mm×15m
  5mm×25mm×15m
  5mm×50mm×15m

RFTP
Rubber Foam Tape

- Made of synthetic rubber, helps to avoid condensation.
- Standard size: 3mm×50mm×9.14m
- Packing: Individual carton and then every 30 rolls in a master carton.

RFTP-R
Rubber Reinforced Foam Tape

- Specially made with reinforced polyester net to give extra strength to the insulation.
- Standard size: 3mm×50mm×9.14m
- Packing: Individual carton and then every 30 rolls in a master carton.

PETP
XPE Foam Tape

- Made of Crosslinked PE Foam.
- Standard size: 3mm×50mm×9.14m
- Packing: Individual carton and then every 30 rolls in a master carton.

Thermal Insulation Material

GWR
Glass Wool Insulation

GWR-A
Glass Wool with Aluminum Foil

- Glass wool duct insulation of 25 mm thickness.
- Size:1.2x20m
- For thermal and acoustic insulation of HVAC ductwork applications.
- Material: Glass wool with horizontally orientated glasswoo lfibers, glued on a reinforced aluminum foil of 20 μ thickness.
- Colour: Yellow mineral glasswool with reinforced aluminum foil.

RIR
Rubber Insulation Sheet

SRIR
Self-adhesive Rubber Insulation Sheet

- Available in several thicknesses and self-adhesive.
- Meet most of the needs in the fields of both civil and industrial plants for refrigeration, air conditioning, heating and plumbing, the insulation of tanks, pipe fittings, water ducts etc.
- The sheet is designed for the insulation on very large surfaces.
- Material: Synthetic rubber with closed cell structure.
- Standard Size:
  TK: 6mm; 10mm; 13mm; 19mm; 25mm
  Width: 1m; 1.2m Length: 10m; 20m

SPEFR
Self-adhesive XPE Foam Sheet

- Available in several thicknesses 3mm-25mm and self-adhesive.
- XPE foam color: white, black, blue, grey, orange, pink, etc.

PEFR-A
XPE Foam with Aluminum Foil

- Available in several thicknesses 3mm-25mm with Aluminum.
- XPE foam color: white, black, blue, grey, orange, pink, etc.
- Pure Aluminum/Metallic Aluminum thickness: 7 micron/12 micron

SIP
Self Adhesive Insulation Pins

- 50mm Square Self-Adhesive Base
- Zinc plated steel pins with lengths:
  19mm,25mm,32mm,42mm,51mm,63mm,75mm,89mm,105mm,114mm

Sealant

NASS
Acetic Silicone Sealant

- Single-component non-shrinkable silicone sealant.
- High elasticity, setting with air moisture, resistant to changing weather conditions and UV radiation.

FPUF
Fire Retardant PU Foam

- Fire resistant PU foams used to close construction openings in compartmentation walls.
- To cover holes in compartmentation walls around fire dampers.

NSS
Neutral Silicone Sealant

- Our silicone based sealant is a multi purpose, high modulus silicone sealant with fungicide.
- It is supplied in cartridge form (310ml) and is suitable for sealing and waterproofing in areas of high humidity.
- Excellent adhesion to glazed surfaces, or surface with plastics and paints.
- Resistant to temperatures from -50℃ to +150℃
- Available in Translucent, White, Brown, Grey, Black.

ZSP
Zinc Spray Paint

- Protect metal surfaces from corrosion Permanently.
- Repair of cut, heat sealed and welded elements, Spotting of damaged galvanized elements.
- Applying corrections after galvanization, heat sealing and welding.
- Excellent resistance to abrasion, excellent covering power.
- Highly efficient and economical.
- Resistant to high temperatures.
- Short drying time: the surface is resistant to touching after 2-3 minutes; Complete drying time 30 minutes.
- Silver colour.

RFLR
Roof Flashing Rubber EPD

RFLS
Roof Flashing Silicone

- Our roof flashing flexible is designed to meets virtually all roofing needs.
- The easy on-site customization allows for easy installation in usually 5 minutes.
- The flexible soft aluminum base is designed to form a seal on most panel configurations and roof pitches regardless of pipe location.
- Color: Black, Silver, Red, Grey, Brown, Terra-cotta.
- The temperature resistance for EPDM Roof flashing is from -50℃ to 160℃; silicone roof flashing is from -60℃ to 180℃.
- Wide range of roof flashing: (0-18"=0-450mm) dia pipe.

Ventilation Air Filters

PPF

MEF

MEBF

HEPA

HF

Airandus
Around you Around us
Ventilation Air Filters

Ventilation Air Filters

PPF

Pleated Pre-Filter

- Application: Pre-filtration in central air conditioning and cabinet ventilation system.
- Features: Each pocket can be fully inflated; Maintain a proper spacing under the design of V-shaped. The clean air comes out from the front of the exit to the back. Bag filter and metal frame are glued to ensure seal ability.

The Main Parameters	
Frame Material	Paper/Aluminium/Galvanized steel/Stainless steel
Filter Media	Synthetic/Fiberglass
Support	Aluminium/Galvanized steel mesh
Working Condition	Temperature: ≤90℃ /Humidity:≤95% RH
Filtration Efficiency	G3(EN779): 80%, G4(EN779): 90-95%

MEF

Medium Efficiency Filter

- Application: Indoor air quality equipments and automotive air conditioning system.
- Features: Ultra low pressure, Compact structure, Completely burned, Long service life.

The Main Parameters	
Frame Material	Carboard/Polyester
Filter Media	Low Pressure PP
Dimension	Customized
Efficiency	F5~F9/MERV9~MERV14

MEBF

Medium Efficiency Bag Filter

- Application:
  Industrial purification of central HVAC system, pharmaceuticals, hospitals, electronics, food plant, pre-filtration ahead of HEPA filter, etc.
- Features: Each pocket can be fully inflated and also maintain a proper spacing under the design of V-shaped. The clean air comes out from the front of the exit to the back. Media and metal frame are glued to ensure sealability.

The Main Parameters	
Frame Material	Aluminium/Galvanized steel/ABS
Filter Media	Synthetic Fiber
Sealing Strip	Polyurethane
Working Condition	Temperature: ≤70℃ /Humidity:≤80% RH
Filtration Efficiency	F5-F6(EN 779): 50%-75%@0.3μm F7-F9(EN 779): 80%-95%@0.3μm

HEPA

High Efficiency(HEPA) Filter

- Application: Terminal filtration in environments and Industries which requires extremely high levels of Cleanliness, such as electronics and semiconductor manufacturing, precision machinery, pharmaceuticals, hospitals, food processing, etc.
- Features: Ultra-fine glass fiber paper ensure the excellent filtration efficiency throughout its operation life.
- Filters have high strength structure, low resistance and long working life.

The Main Parameters	
Frame Material	Aluminium/Galvanized steel/Stainless steel
Filter Media	Ultra-fine glass fiber paper
Sealing Strip	Polyurethane
Support	Welded steel wire
Separator	Aluminium foil/ Paper foil
Working Condition	Temperature: ≤90℃ /Humidity:≤100% RH
Filtration Efficiency	H13(EN 1822): ≥99.97%@0.3μm H14(EN 1822): ≥99.99%@0.3μm

HF

Hood Filter

- Made of stainless steel/. Water, rust and deformation proof. Easy to clean and environmentally friendly with low maintenance cost.
- A handle is equipped on each side of the filter for easy installation and replacement of the grease filter.
- Grease holes are evenly distributed on both sides. The grease does not get stuck easily, and the holes are not easily plugged.

The Main Parameters	
Product Type	Baffle hood filter
Frame Material	Stainless steel/Aluminum/Galvenized steel
Color	Silver
Features	Fireproof and heat-resistant Easy to clean Smooth surface
Packing	Paper carton

Model	Size
HF-1	492*492*40mm
HF-2	492*492*50mm
HF-3	495*495*40mm
HF-4	495*495*50mm
HF-5	500*500*40mm
HF-6	500*500*50mm

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Ventilation Fans

Ventilation Fans

FZY-YS

FZY-YT

YWF(K)

HF

CZR

YNP

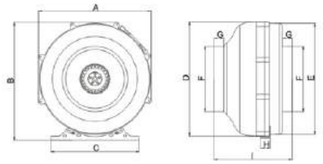
BFA

BFL

Inline Duct Fans

FZY-YS

Circular Inline Duct Fan (Plastic Housing)



FZY Installation dimension sheet

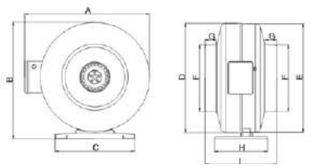
Model	Size									Weight
	A	B	C	D	E	F	G	H	I	
FZY-100-YS	147	257	270	ϕ250	ϕ240	ϕ100	23	30	220	3.3
FZY-125-YS	147	257	270	ϕ250	ϕ240	ϕ125	26	30	220	3.3
FZY-150-YS	285	298	270	ϕ290	ϕ280	ϕ150	24	30	230	4.1
FZY-160-YS	285	298	270	ϕ290	ϕ280	ϕ160	27	30	230	4.1
FZY-200-YS	345	361	270	ϕ350	ϕ340	ϕ200	33	30	240	5
FZY-250-YS	345	361	270	ϕ350	ϕ340	ϕ250	30	30	240	5
FZY-315-YS	432	411	270	ϕ420	ϕ410	ϕ315	30	30	270	6.8

The main parameters

Model (No)	Voltage (V)	Power (W)	Speed (r/min)	Air volume (m^3/h)	Full-voltage (pa)	Noise dB (A)
100	220	75	2650	250	350	30
125	220	85	2650	275	390	32
150	220	140	2650	370	400	41
160	220	145	2650	590	420	45
200	220	180	2650	850	550	48
250	220	190	2650	1000	570	51
315	220	280	2650	1500	830	53

FZY-YT

Circular Inline Duct Fan (Steel Housing)



FZY Installation dimension sheet

Model	Size									Weight
	A	B	C	D	E	F	G	H	I	
FZY-100-YT	285	260	240	ϕ240	ϕ238	ϕ100	23	160	195	4
FZY-125-YT	285	260	240	ϕ240	ϕ238	ϕ125	26	160	195	4
FZY-150-YT	377	352	240	ϕ330	ϕ328	ϕ150	24	160	220	5.6
FZY-160-YT	377	352	240	ϕ330	ϕ328	ϕ160	27	160	220	5.6
FZY-200-YT	377	352	240	ϕ330	ϕ328	ϕ200	33	160	215	6.3
FZY-250-YT	377	352	240	ϕ330	ϕ328	ϕ250	30	160	210	6.4
FZY-315-YT	443	418	240	ϕ395	ϕ395	ϕ315	30	160	245	6.8

The main parameters

Model (No)	Voltage (V)	Power (W)	Speed (r/min)	Air volume (m^3/h)	Full-voltage (pa)	Noise dB (A)
100	220	75	2650	250	350	30
125	220	85	2650	275	390	32
150	220	140	2650	370	400	41
160	220	145	2650	590	420	45
200	220	180	2650	850	550	48
250	220	190	2650	1000	570	51
315	220	280	2650	1500	830	53

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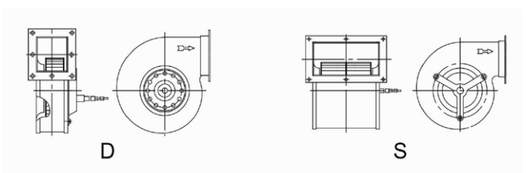
YWF(K)

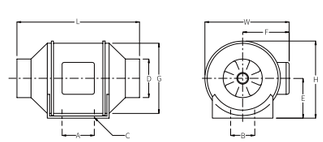
Single Inlet Centrifugal Fans (AC)



Model	Voltage (V)	Frequency (Hz)	Input power (W)	Current (A)	Speed (r/min)	Capacitor (uF)	Max Environmental temperature (C)	Weight (Kg)
YWF(K)2E120-GQ-R	230	50/60	62/82	0.28/0.37	2500/2630	2	60/50	2.0
YWF(K)2E133-GQ-R	230	50/60	90/103	0.40/0.48	2000/1830	3	65/50	2.2
YWF(K)2E140-GQ-R	230	50/60	188/210	0.85/0.97	2100/2300	6	70/45	3.5
YWF(K)2E150-GQ-R	230	50/60	180/210	0.81/0.97	2200/2300	6	70/45	3.4
YWF(K)2E160-GQ-R	230	50	280	1.25	2150	8	60	3.9
YWF(K)4E160-GQ-R	230	50/60	67/85	0.29/0.37	1300/1400	2	60	3.9

HF

Mixed Flow Inline Duct Fan



Model	A	B	C	ϕD	E	F	ϕG	L	W	H
HF-100P	80	60	4-ϕ4.5	97	99	116	163	302	204	195
HF-125P	80	60	4-ϕ4.5	123	99	116	163	257	204	195
HF-150P	80	60	4-ϕ5.0	147	109	127	187	313	227	208
HF-200P	100	94	4-ϕ5.5	197	125	137	205	302	249	237
HF-250P	150	150	4-ϕ8*11	247	150	174	261	383	310	286
HF-315P	181	178	4-ϕ8*11	312	187	216	325	446	386	357

CZR

Centrifugal Blower

Type	Power (w)	Calibre of outlet (mm)	Current (A)	Pressure (Pa)	Flow (m3/min)	Voltage (V)	Frequency (HZ)	Rotational (RPM)
CZR 2"	150	50	1.0	200	4.5	110-220	50-60	3000-3600
CZR 2 2/1"	250	63	1.6	230	6.5	110-220	50-60	3000-3600
CZR 3"	350	75	2.0	270	9	110-220	50-60	3000-3600
CZR 4"	550	100	2.15	310	11	110-220	50-60	3000-3600
CZR 5"	750	125	3.5	350	13	110-220	50-60	3000-3600

YNP

Push-Pull Exhaust Fan

Bathroom Fan

BFA

BFL

BFE

BFD

BFB

Airandus
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