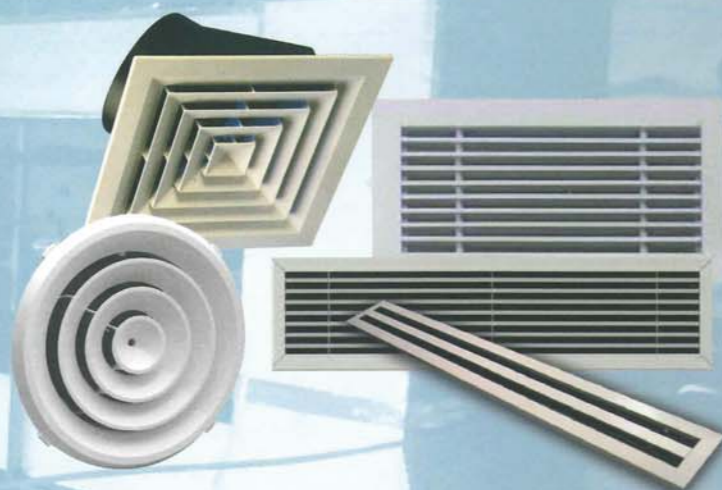




DESERT AIR

A/C. UNITS FIX. CONTRACTING L.L.C.



DESERT AIR

A/C. UNITS FIX. CONTRACTING L.L.C.

Tel: +971 6 5427577 Fax: +971 6 5427578, P.O. Box: 71075, Sharjah - UAE
Email: desertair2007@gmail.com

HVAC Works for:

- ▶ Mall Showrooms / Retail Shops
- ▶ Restaurants / Coffee Shops
- ▶ Banks / Offices
- ▶ Warehouses



CERTIFICATE NO: AE-BAS-Q0002346





**DESERT AIR
CENTRAL AC**
HAS PROVEN TO BE ONE OF
THE LEADING HEATING VENTILA-
TION AIR-CONDITIONING (HVAC)
CONTRACTORS.
OUR EDIFICE BEING BUILT UPON
UTMOST CUSTOMER
SATISFACTION, COMPETENT PERFOR-
MANCE AND RELIABILITY HAS
GAINED US GOOD REPUTATION IN
THE ENTIRE EMIRATES WITHIN A
SHORT SPAN OF TIME

We are a growing team of experts passionately dedicated to identify our clients needs and provide the best solution in Heating, Ventilation and air Conditioning.

We believe in:

Offering our clients efficient and reliable service.

Our peoples skills and experience to deliver the best solution for each project.

Offering only safe and environment friendly solu-
tions in every climatic condition.

Offering only top quality and state-of-the-art tech-
nology HVAC equipment and material from our
reliable partners with whom we have been foster-
ing good relationships for more than a decade.

We also believe that words like "efficient" and "reli-
able" have honest meaning beyond marketing.

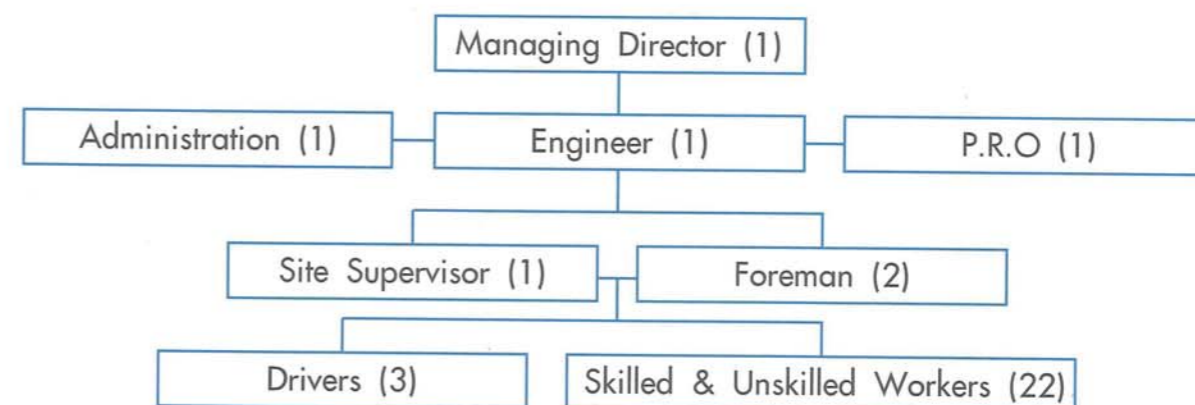
We aim at becoming a preferred contractor of
engineering and supply services in the HVAC industry,
hallmarked for excellence and reliability

HVAC DESIGNING INSTALLATION of

Fan Coil Units , AHUs, FAHUs, Exhaust &
Fresh Air Units, Condensing Units, Package
Units, BTU Meters, Split Units, ESPs, Kitchen
Hoods and all relevant Ventilation, Air condi-
tioning assessorries, Air Curtain, Drain pump,
Bio-Oxygen Unit. Structural & Maintenance
Platforms. CHW Piping & Valve Package.



OUR TEAM



Factory Area

4800 square feet of warehouse / workshop / office area.

List of Equipments

Flushing Pump	3	Hilti Machine	5
Threading Machine	2	Bending Machine	2
Drilling Machine	7	Brazing Set	2
Cutting Machine	2	Pressure Pump	2
Welding Machine	1	Tool Box	8

Transportation

Single cabin
1 Tr. Pick-up
Passenger Transport
15 Seater Vans (2)
Staff vehicle (2)



DESCRIPTION:



MAJOR PROJECTS

DUBAI

Dubai Mall	Mall of Emirates	Dubai Festival City	Wafi Mall
WH Smith	Aeropostale	WH Smith	WH Smith
Rolex	WH Smith	ARH Dome	Just Salad
Tagheur		Wrap & More	
Richard Millie			
Ahmed Al Seddiqi & Sons			

Dubai Marina	Jumeirah Beach Resort	Jumeirah Four Season Hotel	Lamcy Plaza
WH Smith	Hilton Hotel	Capricon	WH Smith
Nano Spa		Cheopard	Wrap & More
		100% Capri	

Jumeirah Lake Tower	BCT Tower
Liwa Heights	Facebook Office
44th & 45th Levels	

ABU DHABI

Khalidiya Mall	Marina Mall	Yas Mall	Capital Mall
Mazaya	WH Smith	Ahmed Al Seddiqi & Sons	UAE Exchange

Hamdan Street
Al Huzaiifa Furniture

FUJAIRAH

SHARJAH

RAK

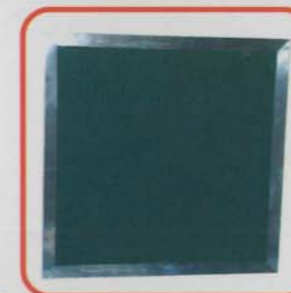
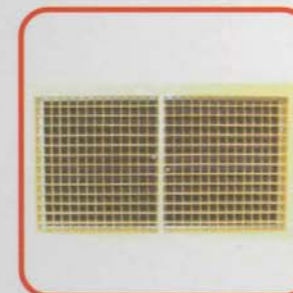
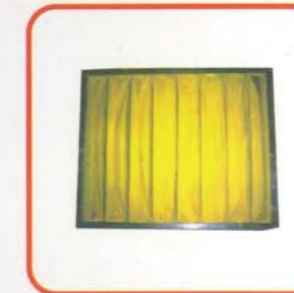
Fujairah City Centre	Sharjah City Centre	RAK Mall
Aeropostale	Ahmed Al Siddique & Sons	UAE Exchange





DESERT AIR

CENTRAL A/C



DESERT AIR CENTRAL A/C
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P.O.Box : 71075, Sharjah - U.A.E.
E-mail : desertair2007@gmail.com

**GENERAL
CATALOGUE**



COMPANY PROFILE

Dear Sir,

The purpose of this letter is to briefly introduce ourselves as manufacturers of Central A/C Accessories, engaged in manufacturing various products and services mentioned below, which meets all your needs and is completely customizable according to your requirements.

- * Volume Control Dampers (VCD)
- * Fire Dampers
- * Non Return Dampers
- * Splitter Dampers
- * VAV
- * Sand Trap Louvers
- * Access Doors
- * Air Filters (Aluminum, Synthetic, Green, Bag Filters etc)
- * Sound Attenuators
- * Grills & Diffusers
- * Plenum Box

Having vast experience in this line and due to superfine standard of quality, our products are very like and common among our very valuable customers all over the Emirates.

Therefore, we would highly appreciate, if you could revert with more details of your keen interested products, which will enable us to arrange and send you our quotations with best possible prices.

We thank you for your kind attention and look forward to hear from you very soon.

Volume Control Dampers

Rectangular VCD - Aerofoil aluminum blades



Features

- Manual or motorized control.
- Low pressure loss resulting from aerofoil blades.

DESCRIPTION

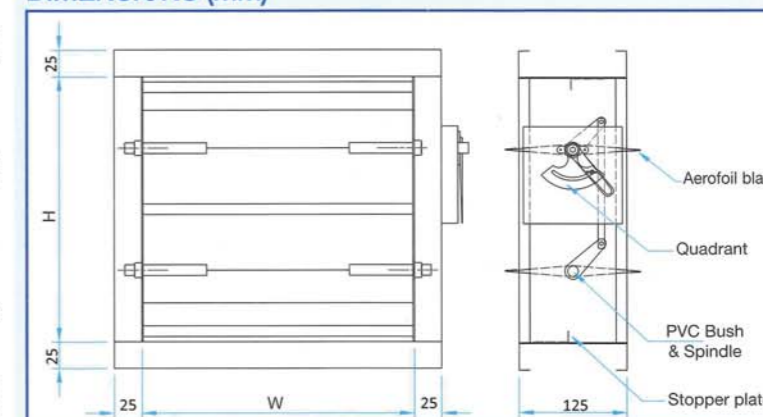
- Single and multi-blade volume control dampers designed for quiet, efficient and reliable air volume control in ventilation systems.

- Ruggedly built damper, with a casing of robust assembly formed from channel frame for flanged connection to the ductwork.

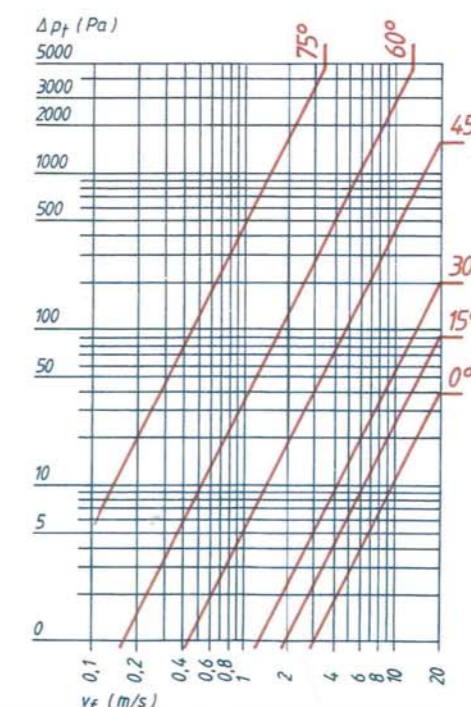
CONSTRUCTION

- Casing manufactured from 20 ga. galvanized sheet as standard. Other gauges available on request.
- Aerofoil shaped blades manufactured from 24 ga. galvanized steel double skin construction. Opposed blade operation standard. Parallel blade operation available upon request.
- Stainless steel side seal, Standard neoprene gasket. Silicon rubber gasket.
- External linkages shall be concealed in a frame, and bolted or welded. Internal linkages available upon request.
- Blades connected to the casing by means of spindles which are mild steel hot dip galvanized. Size shall be 12 mm round or 10 mm square. Spindles bolted, riveted or welded as per specification.
- Standard brass bushes, PVC bush, Stainless steel bearing, Available upon request.
- Mode of operation : manual quadrant, Motorization.
- Minimum size: 100 x 100 mm. Single blade damper construction up to 250 mm height.
- Maximum size: 1000 x 800 mm as single section. Larger sizes can be manufactured in multiple sections for assembly on site.

DIMENSIONS (mm)



PRESSURE DROP



Non Return Dampers

Non return dampers



Features

- NRD prevents reverse airflow.
- Protection against ingress of untempered air, rain and birds into air conditioning system.

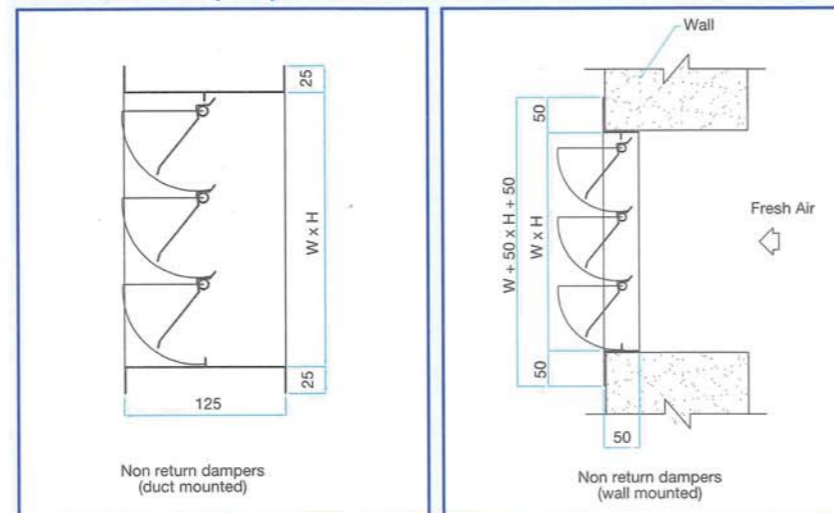
DESCRIPTION

- Non return/pressure relief dampers are designed for use in intake and discharge opening in commercial and residential air conditioning systems.
- When the ventilation system is on, the blades of the non-return damper are held in the open position by the airflow.
- If the system is switched off, the damper blades close automatically, thus preventing reverse airflow and giving protection against the ingress of untempered air, rain and birds into the air conditioning system.

CONSTRUCTION

- Non return damper designed to be duct mounted.
- Frame & blades made from 20 ga. galvanized steel.
- Round spindles Ø 12 mm linked together by means of GI linkages.
- Gasket is provided on blade tips for low leakage.

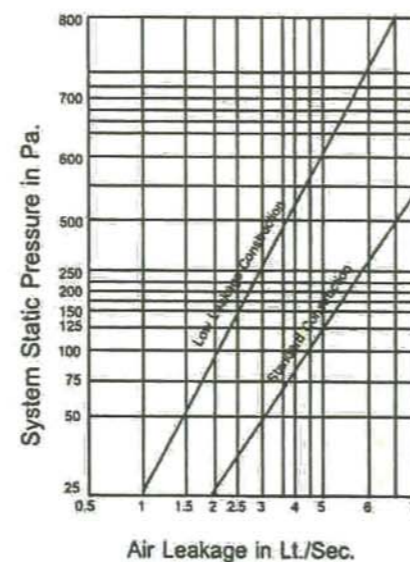
DIMENSIONS (mm) - PRESSURE DROP



Standard Sizes: (Use any combination of width & length)
Non standard sizes are available on request.

Width (B) (mm)	Length (A) (mm)
150	150
200	200
300	300
400	400
500	500
600	600
700	700

System Static Pressure Vs. Leakage



Fire Damper



Features

- Fire resistance: 1.5h (UL 555).
- Fire resistance: 2h (BS 476).
- Suitable for static systems.
- 100% free area with no pressure loss.
- Maintenance: easy removal of the fusible link.

APPLICATION

- For vertical installation in walls or partitions with fire resistance rating of less than 3 hours.
- Suitable for use in static systems, no pressure loss.

DESCRIPTION

- Normally open and close automatically upon detection of heat.
- Protects integrity of a fire barrier & limits spread of fire.
- Maintains the fire resistance rating where penetrated by HVAC ductwork.

CONSTRUCTION

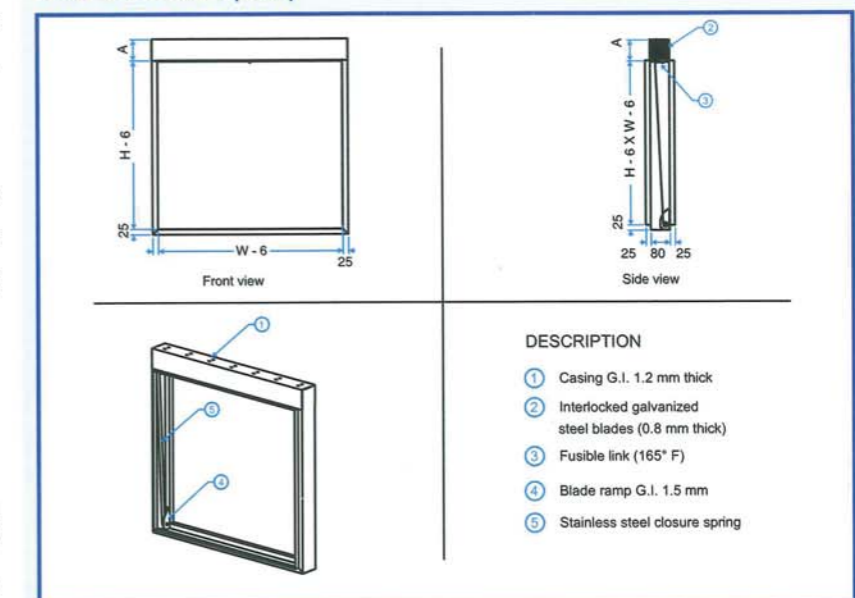
Single section

- Casing made from 18 ga. (1.2 mm) galvanized steel.
- Interlocking type blades made from 22 ga. (0.8 mm) galvanized steel.
- UL listed fusible link which operates at 74°C (165°F).
- Stainless steel closure springs.
- Sleeve made from 16 ga. (1.5 mm) galvanized steel can be factory installed (recommended) or field supplied (as per installation instructions).
- Minimum size: 100 x 100 mm ; opening dimensions.
- Maximum size: 914 x 914 mm ; overall dimensions.

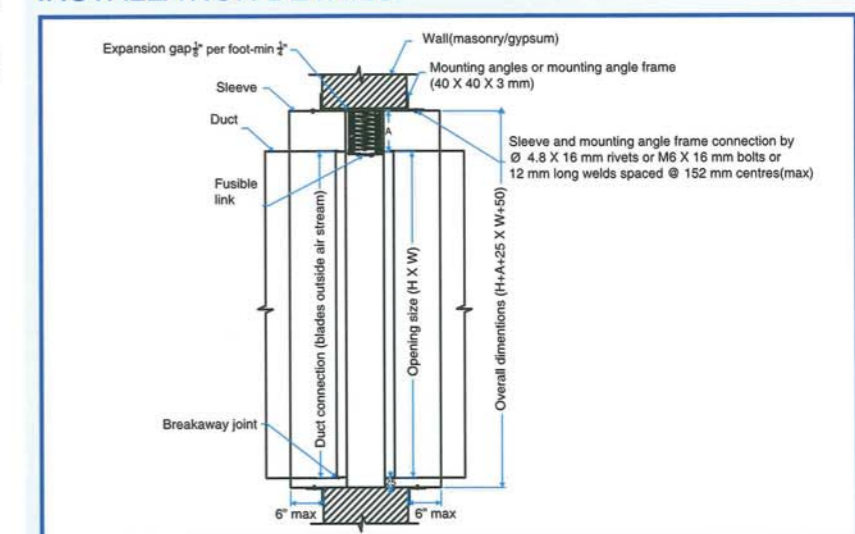
INSTALLATION

- Vertical installation.
- In walls or partitions.

DIMENSIONS (mm)



INSTALLATION DETAILS



AVAILABLE SIZES (mm)

W	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850
H	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	800
A	30	35	40	45	50	55	60	65	70	70	75	80	85	90	95	95
n blades	4	5	5	6	7	8	9	10	11	11	12	13	14	15	16	16

- Any combination of W x H. For other sizes, please consult us.
- A and n blades are associated with height H of damper.

By-Pass VAV Boxes

By-pass VAV boxes



Features

- Provides airflow to individual zone while by-passing the unneeded air to ceiling plenum for recirculation.
- Delivers relatively constant air flow over the full range of by-pass damper positions.

DESCRIPTION

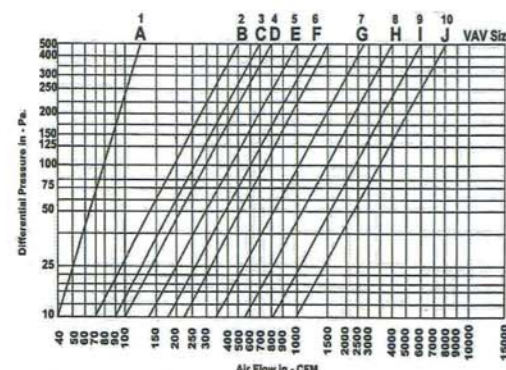
- Combination of the advantages of proven air handling concepts to give complete flexibility from a single zone source.
- Provides excellent temperature control and central air distribution with unlimited zoning.
- Simple solution to distribute and control airflow from constant speed FCUs or AHVs
- Multi-zone systems: supplying centralized air distribution from unwanted zones to demand related zones.
- Extensive range of 8 sizes covering volume flow range from up to 5440 m³/h.

CONSTRUCTION

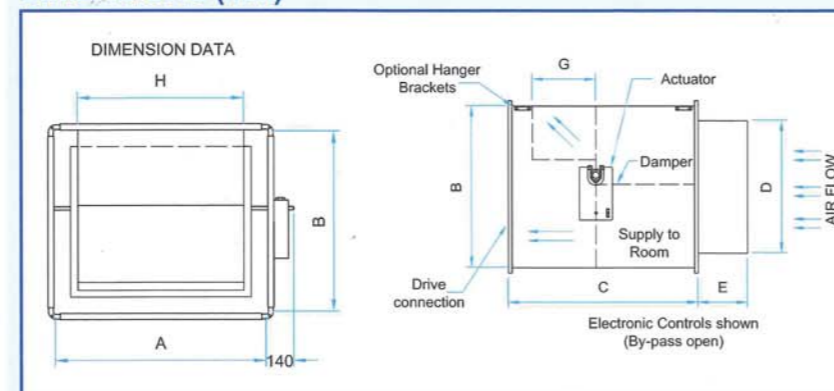
- Manufactured from 20 ga. galvanized mild steel casing.
- Incorporate a 1/2" insulation of sound liner.
- Blades composed of 20 ga. galvanized mild steel with a flexible gasket to assure low leakage.
- Equipped with modulating actuator, which accepts 0-10 or 2-10 V signals from thermostats.
- Electronic thermostat provides accurate modulating - ON/OFF. Standard supply is modulating 0-10 V.
- In case lower noise levels are required, VAV units can be provided with integral sound attenuators to achieve lower noise level.

OPERATION PRINCIPLE

- A variable air volume, by-pass system consists of VAV units connected to the supply air duct of a constant air volume source. A constant air volume of conditioned air is supplied to each VAV unit. The primary damper modulates in response to a zone thermostat demand, to vary the amount of combined air delivered to the occupied to the zone. Damper modulation will range from full shut off to full open position by supplying variable air volume or to a minimum air volume to the conditioned zone.
- As the primary damper modulates in response to room thermostat demand and once it is satisfied to reduce the air to occupied zone, the excess air is diverted through the secondary by-pass damper into ceiling plenum or ducted return.

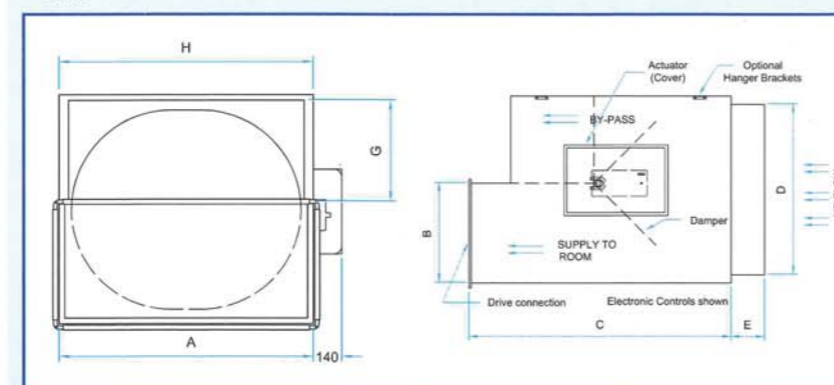


DIMENSIONS (mm)



Unit size	Discharge		Basic assembly			By-pass opening		Airflow Q _{nom}
	A	B	C	D	E	G	H	
02	254	203	400	127	60	111	178	340
04	305	254	400	203	60	137	229	680
06	356	305	552	254	60	238	279	1020
08	406	356	552	305	60	238	330	1360
12	457	406	603	356	60	264	381	2040

• Q_{max} is the airflow rate in m³/h.



Unit size	Discharge		Basic assembly			By-pass opening		Airflow Q _{nom}
	A	B	C	D	E	G	H	
16	508	254	622	406	67	165	432	2550
24	610	254	622	406 x 457	86	165	533	4080
32	813	254	622	406 x 610	92	165	737	5440

• Q_{nom} is the nominal airflow rate in m³/h.

By-Pass VAV Boxes

Application/Performance Data

SOUND DATA

CFM	Δ P _s	Sound Power db Octave Band						Max.	Radiated NC
		(2)	(3)	(4)	(5)	(6)	(7)	Disc.	
		125	250	500	1000	2000	4000	NC	
SIZE 02									
80	.07	40	31	24	17	15	15	--	10
120	.14	47	41	34	28	24	23	12	12
160	.24	51	49	42	36	30	26	14	14
200	.35	55	54	48	42	35	28	19	20
SIZE 04									
160	.05	44	30	22	19	17	20	--	--
240	.12	49	41	33	29	25	25	12	13
320	.21	52	48	41	36	31	28	13	19
400	.33	54	53	47	42	36	31	15	25
SIZE 06									
240	.04	42	31	22	20	18	21	--	--
360	.09	56	39	32	28	25	24	--	11
480	.16	50	45	40	34	30	27	12	14
600	.25	52	49	46	39	34	29	13	22
SIZE 08									
320	.03	41	28	19	18	18	21	--	--
480	.07	46	38	30	26	24	23	--	12
640	.12	49	45	37	31	28	25	11	15
800	.20	52	50	43	35	31	27	13	22

NOTES:

1. ΔP_s static pressure difference from inlet to discharge.
2. Dash (---) indicates sound power db or NC level less than 10.
3. ΔP_s is the minimum pressure drop required to deliver CFM shown with the primary damper in wide open position (Bypass Closed).

Discharge NC levels are based on --

- a) 5 foot rectangular 12" x 12" duct lined with 1" fiberglass insulation.
- b) Rectangular tee attenuation entering branch duct.
- c) 6 foot lined flex duct (8" diameter).
- d) Maximum of 300 CFM per outlet.
- e) Space effect factor (5000 ft³) at 5 feet from outlet.
- f) End reflection.
- g) Environmental adjustment factor.

SOUND DATA

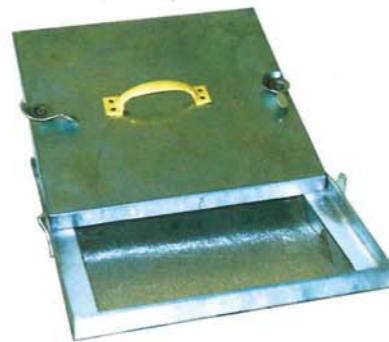
CFM	ΔP _s	Sound Power db Octave Band						Max.	Radiate NC
		(2)	(3)	(4)	(5)	(6)	(7)	Disc.	
		125	250	500	1000	2000	4000	NC	
SIZE 12									
480	.03	42	30	21	21	20	21	--	--
720	.06	47	39	31	29	26	24	--	12
960	.11	50	46	39	34	30	26	12	16
1200	.17	53	51	44	38	33	28	13	21
SIZE 16									
840	.03	42	30	22	19	19	18	--	--
960	.06	48	40	33	28	25	22	--	13
1280	.12	52	47	40	35	30	25	11	16
1500	.18	55	53	46	40	34	28	13	23
SIZE 24									
960	.04	41	32	27	18	15	16	--	11
1440	.10	49	42	38	31	27	26	--	15
1920	.18	54	50	46	39	35	33	12	23
2400	.29	58	56	52	46	41	38	14	30
SIZE 32									
1280	.04	44	37	33	27	23	22	--	11
1920	.09	51	47	42	36	32	29	11	15
2560	.15	57	54	48	43	39	34	12	23
3200	.23	61	59	53	48	44	37	14	31

Radiated NC levels are based on --

- a) Plenum / ceiling effect - 5/8" mineral fiber tile, 35 lb / ft³ - 3 foot plenum
- b) Space effect factor (5000 ft³) at 10 feet from source
- c) Environmental adjustment factor.

Access Doors

Access Doors



Features

- Access door has been designed to allow easy and convenient access to such equipment with HVAC ductwork.

DESCRIPTION

- Duct accessories need inspecting and adjusting. The access doors has been designed to allow easy and convenient access to such equipment with HVAC ductwork, while providing a secure, positive seal when closed. The access doors provide easy mounting and positive closure. All models are available in a wide variety of size to suit each specific application.

CONSTRUCTION

- Double skin 24 gauge, galvanised door panel for extra strength. 1"(25mm) insulation.
- Notched knock-over tabs.
- Plated steel camlock fasteners.
- Positive seal synthetic gasket.
- Safety retaining chain on removable door
- Optional hinges and safety chains available

AVAILABLE SIZE - INCH

6X6	16 X14
8X8	16 X16
10X8	18 X 12
10X10	18 X14
12X10	18 X16
12X12	18 X18
14X10	20 X16
14X12	20X20
14X14	24 X18
16X12	24 X24

Splitter Damper

Splitter Damper



Features

- Balancing and dividing the air flow in the duct branches.

DESCRIPTION

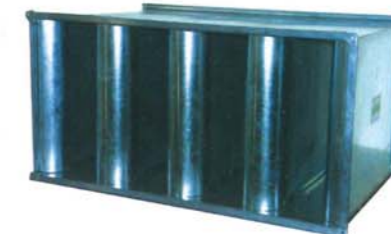
- Splitter dampers serves in air balancing and dividing the air flow in branches. It consist of a doubled skinned blade.

CONSTRUCTION

- Splitter dampers are constructed from 18 or 20 guage galvanized sheet. It consists of a 10mm rod which is full length of the blade. Brass bushes or nylon bushes are used at the both end of the rod

Rectangular Sound Attenuators

Rectangular sound attenuators



Features

- Efficient at medium and high frequencies.
- Easy installation.

APPLICATION

- Attenuation of fan / AHU noises propagated through air ducting.
- Highly effective at medium and high frequencies.
- Air exhaust and air supply.

DESCRIPTION

- Sound attenuators and sound baffles are heavy duty type, galvanized mild steel construction for air conditioning and industrial applications.

CONSTRUCTION

- Casing and baffles manufactured from galvanized sheets metal of 20 ga. thickness in accordance to BS 2989 grade Z2 G275 casing are formed with lock formed seams. The construction complies with DW 144 Class B code, slide on flanges are fitted as standard.

- The baffle contains acoustic infill which complies with Class O building regulation. The infill cloth has a black glass tissue facing and is contained behind perforated sheet of 0.7 mm thickness on both sides.

A = Width of baffles (200 mm)

B = Air gap (75 to 200 mm)

B+A = 1 module

- Minimum size: W = 275 mm; H = 300 mm; L = 600 mm.

- Maximum size: W=2100 mm; H=1800 mm; L=2400 mm.

NOTE: bigger sizes available upon request and will be supplied in sections.

INSTALLATION

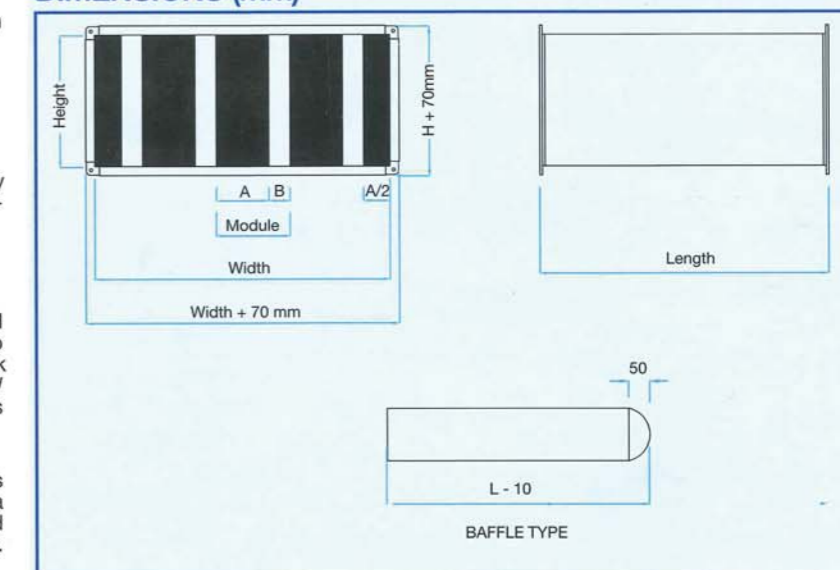
- Install directly on a duct section.
- Horizontal / vertical Installation.
- Indoor / outdoor.

AVAILABLE OPTIONS

- Melinex is an impervious thin membrane used totally enclosed sound absorbent material where clinical conditions are required. This is used for the hospitals food factories and also where humidifiers are used

- Melinex film on both sides reducing contamination risk.

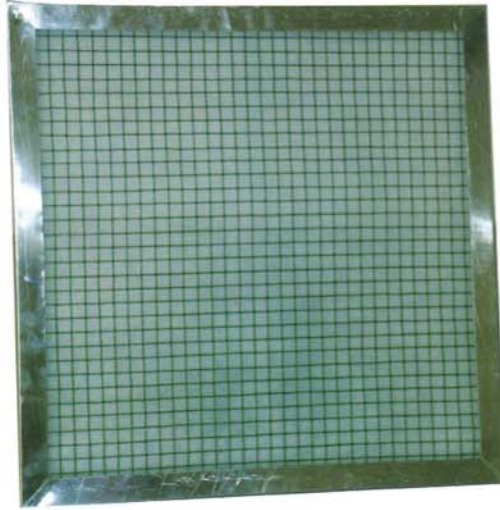
DIMENSIONS (mm)



INSERTION LOSS

Length L	Octave centre frequency in Hz							
	63	125	250	500	1k	2k	4k	8k
600	7	11	19	31	45	36	29	20
900	9	14	26	49	50	50	37	29
1200	10	18	33	50	50	50	47	38
1500	12	21	40	50	50	50	50	45
1800	13	24	47	50	50	50	50	50
2100	15	28	50	50	50	50	50	50
2400	17	31	50	50	50	50	50	50
600	6	9	14	22	28	28	21	15
900	8	11	19	31	37	37	28	21
1200	9	14	25	41	48	48	34	27
1500	11	17	30	50	50	50	42	33
1800	12	20	34	50	50	50	49	39
2100	14	23	39	50	50	50	50	45
2400	15	26	44	50	50	50	50	50
600	5	7	11	17	24	20	13	11
900	6	9	14	24	33	25	18	15
1200	7	11	18	31	42	33	23	19
1500	8	12	22	39	50	40	28	23
1800	9	14	25	45	50	47	34	27
2100	10	16	29	50	50	50	39	31
2400	11	19	32	50	50	50	44	35
600	5	6	9	13	18	14	10	9
900	6	7	12	20	25	20	14	12
1200	6	9	14	25	33	25	18	15
1500	7	10	18	30	40	31	22	18
1800	8	11	20	35	48	37	26	21
2100	8	13	24	40	50	42	30	24
2400	9	15	26	45	50	48	34	27

SYNTHETIC FILTERS



APPLICATION

DESERT AIR SYNTHETIC FILTER is used in industrial and commercial buildings where more dust accumulation is required.

Features

High dust holding capacity, low resistance filters and it can be washed by air or regular water. Available in 1", 2", 3", and 4" thickness.

Construction

DESERT AIR SYNTHETIC FILTER consists of high dust holding capacity synthetic media it can be made out of Aluminium frame or galvanized frame.

ALUMINIUM FILTERS



APPLICATION

For the collection of particles of dust. It is used for corrosive atmospheres.

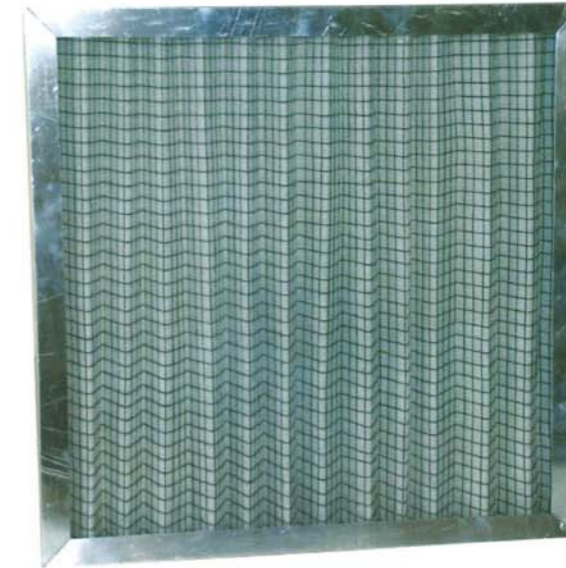
Features

High dust holding capacity, low resistance filters. It can be cleaned with regular water and live longer live.

Construction

DESERT AIR ALUMINIUM FILTERS Consists of expanded metal aluminium mesh with unique pattern. This will allow the air to have less resistance and have the ability to depth load rather than surface load.

PLEATED FILTERS



APPLICATION

DESERT AIR PLEATED FILTERS are highly recommended to be used as a prefilter for bag filters in hospitals, commercial and industrial building. As well as pre filter for final filters gas turbines in power plants.

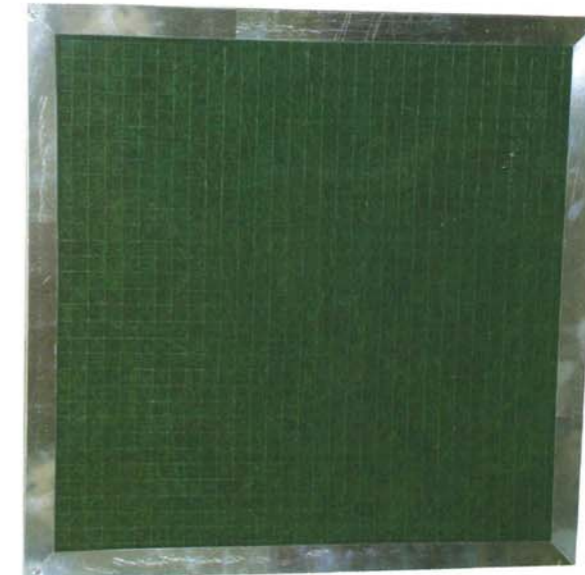
Features

The **DESERT AIR PLEATED FILTERS** are more effective and has more dust holding capacity than standard filter pads or rolls.

Construction

DESERT AIR PLEATED FILTER consists of blue colour pleated media pack enclosed in a GI frame. Zig Zag Construction with G.I.or Plastic mesh on both side. It is available in thickness 1 inch, 2 inch and 4 inch.

GREEN FILTERS



APPLICATION

DESERT AIR GREEN FILTERS For the collection of big particles of dust. It is used for corrosive atmospheres.

Features

High dust holding capacity, low resistance filters. It can be cleaned with regular water and live longer live.

Construction

DESERT AIR GREEN FILTERS consists of coir media this will allow the air to have less resistance and have the ability to depth load rather than surface load.

Linear Slot Diffusers



Description
Supply Linear Slot Diffuser
Return Linear Slot Diffuser
Linear Slot Diffuser without deflector but with damper

NC RANGE: < 20 to < 40	
SIZE	CFM RANGE
6" X 6"	50-255
9" X 9"	100-500
12" X 12"	200-800
15" X 15"	300-1200
18" X 18"	450-1575
21" X 21"	600-2100
24" X 24"	800-2700

Product Description :

The Linear Slot Diffuser with deflection blades and control damper (Hit and Miss type) is fabricated from high quality extruded aluminum. The fully adjustable deflection blades allow for the air pattern to be control along the ceiling straight down or at some intermediate settings. The deflection blades are designed so that when in close position the air pressure tends to forms a tight seal. The standard slot widths are 3/4" and 1". The volume control damper consists of two strips one fixed and another movable, which also act as an equalizing grid. The airflow rate can be varied without changing the air pattern by the use of volume control damper attached to the rear side of the diffuser. The airflow rate can be reducing by off setting the holes in hit and miss damper. Linear slot diffusers are also available in curved shapes but without damper. Suitable in ceiling for horizontal and vertical discharge for heating and cooling applications. Standard colour is white for frame and deflection blades Hit and Miss damper in Black Colour. Other Colours available on request.

Linear Bar Grilles



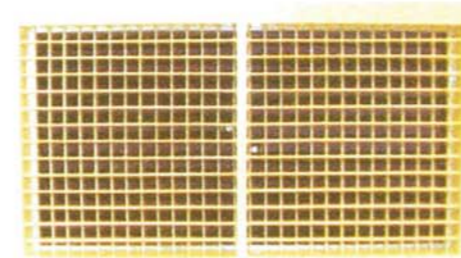
Description
Supply Linear Bar Grille 0°-1/4"
Return Linear Bar Grille 0°-1/4"
Supply Linear Bar Grille 0°-1/8"
Return Linear Bar Grille 0°-1/8"
Supply Linear Bar Grille 15°-1/8"
Return Linear Bar Grille 15°-1/8"
Supply Linear Bar Grille 30°-1/8"
Return Linear Bar Grille 30°-1/8"

NC RANGE: < 20 to < 40	
NOMINAL WIDTH	CFM RANGE
2"	20-100
2 1/2"	30-125
3"	30-175
3 1/2"	40-200
4"	50-225
5"	70-300
6"	90-350
8"	110-400
10"	130-450

Product Description :

The Frame and blades are fabricated from high quality extruded aluminum. The blades are available with 0°, 15° and 30° deflection with a uniform distance of 1/2" in between. The standard depth of the blade for 0° is 3/4" and for 15° and 30° is 1" resulting in uniform and non-turbulent air stream throws. The mullion bars across the blades provide additional strength to prevent the grille from bending. The opposed blade damper attached to the grille frame is lever operated through the face of the unit. Linear slot diffusers are also available in curved shapes with damper for wall mountings. The grilles are suitable for ceiling, wall or console mounting for heating and cooling applications. Standard finish is white for frame and blades. Damper in black colour. Other colours available on request. Painted under electrostatic polyester powder coated system. The polyester powders of highest quality are used to enhance the appearance of the units.

Supply Air Grilles & Registers



Description
Supply Register Single Deflection
Supply Grille Single Deflection
Supply Register Double Deflection
Supply Grille Double Deflection
Supply Register Single Deflection
Supply Grille Single Deflection
Supply Register Double Deflection
Supply Grille Double Deflection

NC RANGE: < 20 to < 40	
SIZE	CFM RANGE
10" X 6"	100-200
12" X 6"	100-250
18" X 6"	100-250
20" X 6"	100-300
24" X 6"	150-400
12" X 8"	100-250
16" X 8"	150-300
20" X 8"	200-500
24" X 8"	300-800
30" X 8"	500-800
24" X 12"	500-1000

Product Description :

Fabrication of frame and blades are from high quality extruded aluminium. The frames are equipped with PVC bushings to assemble the blades, hence eliminating corrosion and vibration. The blades are airfoil in design and individually adjustable to set from 0 - 45 deflections to obtain longer and shorter throws respectively. The opposed blade damper (O.B.D) attached to the Supply Registers can be easily adjusted by operating through the face of the unit. Suitable for high sidewall, soffit or duct mounting for heating, ventilating and cooling applications. Standard finish is white color for frame and blades. Damper in black colour. Other colour available on request. Painted under electrostatic polyester powder coated system. The polyester powders of highest quality are used hence the appearance of units.

Ceiling Diffusers



Description
Supply Ceiling Diffuser 1 way
Return Ceiling Diffuser 1 way
Supply Ceiling Diffuser 2 way
Return Ceiling Diffuser 2 way
Supply Ceiling Diffuser 3 way
Return Ceiling Diffuser 3 way
Supply Ceiling Diffuser 4 way
Return Ceiling Diffuser 4 way

NC RANGE: < 20 to < 40	
SIZE	CFM RANGE
6" X 6"	50-255
9" X 9"	100-500
12" X 12"	200-800
15" X 15"	300-1200
18" X 18"	450-1575
21" X 21"	600-2100
24" X 24"	800-2700

Product Description :

The Square and Rectangular Ceiling Diffusers are available with multidirectional airflow pattern. The frame and cores are high quality extruded aluminium. The inner core of diffuser is fully removeable for easy installation. The units sizes for square ceiling diffuser increases in 3" increments beginning with 6" x 6" as the smallest available. The opposed blade damper (O.B.D) fixed in the diffuser frame is lever operated from the face of the unit. Suitable in ceiling with multi directional throws as required. Equalizing grid provided as an option for proper air stream throw. Diffusers are also available with T-Bar Lay-In Panel in which diffusers are mounted in prefabricated panel of required sizes to meet with ceiling and installation. Standard finish for diffuser is white color. Damper in black colour. Other Colours available on request. Painted under electrostatic Polyester powder coated system. The polyester powders of highest quality are used to enhance the appearance of units.

Fresh Air Louvers



Description
Fresh Air Louver with Damper
Fresh Air Louver without Damper

Free Area Velocity (fpm)	Pressure Drop (In. W. g.)	
	Intake	Exhaust
100	0.0025	0.0015
200	0.007	0.005
300	0.02	0.015
400	0.035	0.025
600	0.065	0.05
1000	0.15	0.105

Product Description :

The Fresh Air Louver is a device with unique choice and high recommended for ventilating and transfer of air in any place. The frame and blades of fresh air louver are fabricated from high quality extruded aluminum. The blades are spaced 3" on center and are set at 45° fixed in horizontal position. An expanded aluminum screen generally known as bird screen is attached to the interior face of the louver. The purpose on this screen is to prohibit birds from going inlets. An optical wire mesh can also be added as insect screen to prohibit insects from entering inside the inlets. Optional aluminum filter 1" thick with handle (fully removable and washable) can be provided to protect the sand particles from going inlet of louver. Bigger sizes of fresh air louvers are inserted in between vertically with (T) tee bar to support and strengthen the frame. Standard colour is white for frame and blades of the louver. Damper in black colour. Other Colours available on request. Painted under electrostatic polyester powder coated system. The polyester powders of highest quality are used to enhance the appearance of the units.

Round Ceiling Diffusers



Description
Supply Round Ceiling Diffuser
Return Round Ceiling Diff.

NC RANGE: < 20 to < 40	
SIZE	CFM RANGE
6"Ø	60-250
8"Ø	100-375
10"Ø	160-650
12"Ø	250-950
14"Ø	325-1000
16"Ø	425-1400
18"Ø	525-1800
20"Ø	650-2200
24"Ø	940-3000

Product Description :

Supply and Exhaust Round Ceiling Diffusers are available With Fully removable inner core for easy installation and access to duct. The outer round frame and inner cores (ring) are aluminum alloy with high quality construction. The 'UP' position of core provide vertical throw and 'DOWN' position horizontal throws. Expanded cones feature gives a high degree mixing of primary and secondary air that provides excellent air distribution and efficiency. Sponge gasket added to prevent streaking. The butterfly damper in supply diffusers can be easily adjusted through the face of the unit. Composed of two inner rings from 6" to 8" Ø and three for 10" to 24"Ø. Suitable for heating and cooling or ventilating with temperature differential of 30°F and over requiring wide diffusion effect. For ceiling or exposed duct installation. Standard finish is white colour for complete diffuser. Damper in black colour. Other colours available on request. Painted under electrostatic polyester powder coated system. The polyester powder of highest quality are used to enhance the appearance of the units.

