



AIR TECHNICS

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AIRTECHNICS



Total Air Solutions

INTRODUCTION

AIR TECHNICS IS A premiere manufacturer and distributor of high quality air distribution products used in HVAC system.

For over years, we've provided excellent service and commitment to a diverse customer base.

AIR TECHNICS ensures that our pricing, quality and delivery is competitive. Our design and research personal, develops and solve many special application, problems of our costumers. Most importantly, every one at **AIR TECHNICS** is dedicated to serving our clients and solving their unique problems. So, whether it is customer security grilles (or any other air distribution product) you're looking for a special curvatures in the flow bar linear diffusers, all you need to do is talk to our costumer care department

Specially in today's age where the interiors are taking new shape every day, **AIR TECHNICS** provided the designs of Air distribution product which are in vogue. **U.A.E. HVAC** industry is going through major changes at present and at **AIR TECHNICS** we equip to face any knid of challenges.

"AIR TECHNICS"- comes ahead with most dynamic designs, or any other tailor made design with precision of an air piece.

We are eager to begin new business relationship. We are sure after looking over this brochure you will agree that **"AIR TECHNICS"** can offer you the best services in the industry.

THE MANGMENT

OUR MISSION

"To Offer Value For Money"

Our endeavour is to offer cost effective and quality air terminal and distribution products which will satisfy all the stakeholders in a project including the Architects, HVAC Consultants, Interior Designers, Project Managers, HVAC Contractors and End Users.

We are able to achieve our mission by constantly being in touch with the stakeholders, understand their concerns and offer innovative products and solutions.

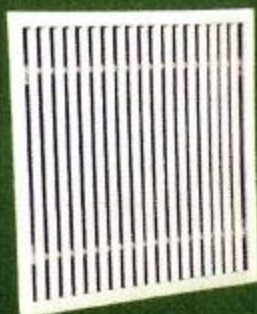
AIRTECHNICS GRILLES



**LINEAR FIXED
BAR GRILLE**



FRAMED GRILLE



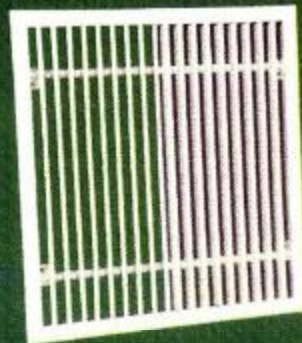
**ONE WAY
SQUARE GRILLE**



**BOTTOM THROW
CORNERS**



**SIDE THROW
CORNERS**



**TWO WAY
SQUARE GRILLE**

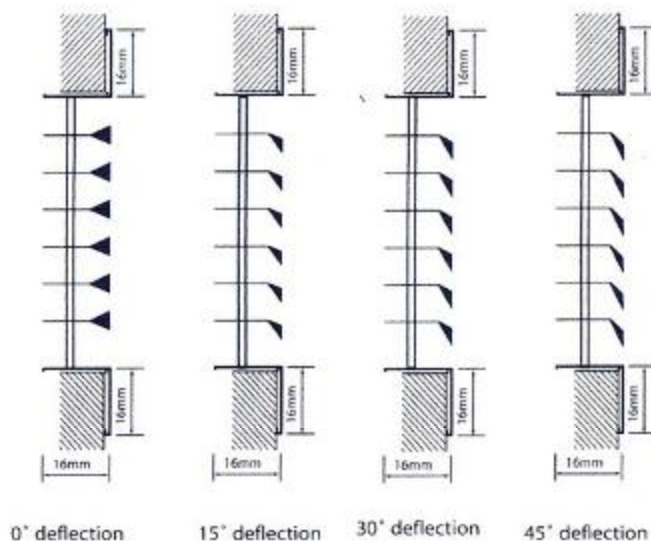
LINEAR FIXED BAR GRILLES

APPLICATION:

Air supply or air return in Air-conditioning, Ventilating and Heating systems.

MOUNTING:

Overlapped in sidewall or in false ceiling by means of hidden fixing systems as well as for continuous grilles fixing by means of concealed bridge type fixing.



IMPLEMENTATION:

Extruded aluminium construction. Frames with flat frontal face of 16mm 20 mm or 30 mm and inner blades of 0°, 15°, 30° or 45° deflections. Available with or without end flanges as well as for standard or non standard sizes. Optional mitered corners available.

STANDARD FINISHES:

Natural Aluminium, Anodized or Powder coated in standard RAL white colours.

TWO WAY LINEAR GRILLES

APPLICATION:

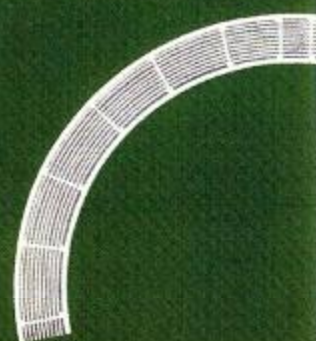
Air supply or air return in Air-conditioning, Ventilating and Heating Systems.

MOUNTING:

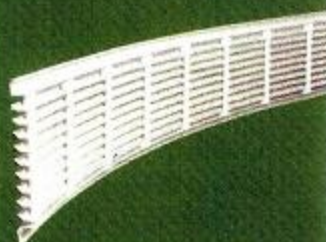
Overlapped in false ceiling by means of hidden fixing systems or by means of bridge type concealed fixing.



**TWO WAY
LINEAR GRILLE**



**CURVED GRILLE
ARCH TYPE**



**SIDE THROW
CURVED GRILLE**



**REMOVABLE
CORE GRILLE**

IMPLEMENTATION:

Extruded aluminium construction. Frames with flat frontal face of 16mm, 20mm or 30mm and inner blades of 0°, 15°, 30° or 45° deflections. Available with any degree corners and with or without end flanges and also in standard or non standard sizes.

STANDARD FINISHES:

Natural Aluminium, Anodized or Powder coated in standard RAL white colours.

CURVED GRILLES (OR) ARCH TYPE GRILLES

APPLICATION:

Air supply or air return in Air-conditioning, Ventilating and Heating systems.

MOUNTING:

Overlapped in sidewall or in false ceiling by means of hidden fixing systems. As well as for continuous grilles by means of continuous bridge type concealed fixing.

IMPLEMENTATION:

Extruded aluminium construction. Grilles made to be fixed in any convex, concave or arch type formed in sidewall or in false ceilings. Curved grille frames with flat frontal face of 16mm or 20mm and inner blades deflections of 0°, 15°, 30° or 45°. Available in one way or two way types and also in standard or non standard sizes as per the templates.

STANDARD FINISHES:

Natural Aluminium, Anodized or Powder coated in standard RAL white colours.

REMOVABLE CORE GRILLES

APPLICATION:

Air supply or air return in Air-conditioning, Ventilating and Heating systems. Especially in clean rooms in Pharmaceutical plants or in Hospitals and Operation theatres.

MOUNTING:

Overlapped in sidewall or in false ceiling by means of hidden fixing systems.

IMPLEMENTATION:

Extruded aluminium construction. Frames with flat frontal face of 16mm, 20 mm or 30 mm flanges and inner blades of 0°, 15°, 30° or 45° deflections. Inner blades assembly will be removed easily without using any tools by just push and fit method by means of plastic bushes. This can be helped to clean the filters inside the grille. Available in oneway or two way as well as in standard or non-standard sizes.

STANDARD FINISHES:

Natural Aluminium, Anodized or powder coated in standard RAL white colours.

FLOOR GRILLES**APPLICATION:**

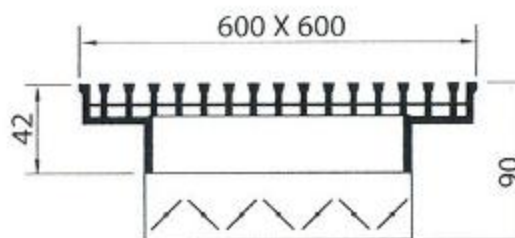
Air supply or air return in underfloor Air-conditioning, Ventilating and Heating systems. Suitable for any application under heavy foot or equipments traffic is experienced. Especially in computer server area and telecommunication centres.

MOUNTING:

Replacing a tile in heavy duty raised access floors or directly in an opening made in the ground.



FLOOR GRILLE

**IMPLEMENTATION:**

Extruded aluminium construction. Frames with flat frontal face of 16mm or 20 mm and inner blades of 0°, 15°, 30° or 45° deflections. To withstand heavy load, galvanized steel reinforced frame revetted on the back side of the grille. Available in oneway, twoway, threeway or fourway types, with or without four quadrants type individually operated collar dampers.



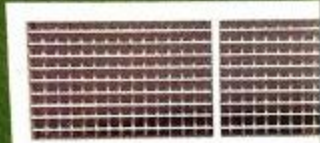
**FLOOR GRILLE
WITH VCD**

STANDARD FINISHES:

Natural Aluminium, Anodized or powder coated in standard RAL white colours.



ROUND GRILLE

ROUND GRILLE
WITH VCDDOUBLE DEFLECTION
ADJUSTABLE GRILLEDOUBLE DEFLECTION
FRONT FIXED
REAR MOVABLE GRILLE

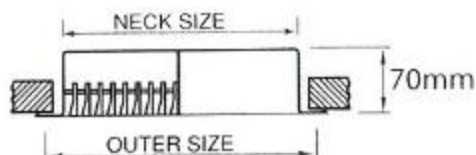
ROUND GRILLES (OR) CIRCULAR GRILLES

APPLICATION:

Air supply or air return in Air-conditioning, Ventilating and Heating systems.

MOUNTING:

Overlapped in false ceiling by means of hidden fixing systems or directly on to the visible circular ducts.



IMPLEMENTATION:

Circular frame with flat frontal face of 20 mm and inner blades are cut to match the circular area. Available in 0°, 15°, 30° or 45° deflections as well as in one way or two way types. Removeable cores are also made on request. For air supply screw operated butterfly dampers will be fixed on the rear side of the grille. Constructed in high grade aluminium.

STANDARD AVAILABLE SIZES:

Available in sizes from Ø150 to Ø500mm in 50 mm increments.

STANDARD FINISHES:

Natural Aluminium, Anodized or Powder coated in standard RAL white colours.

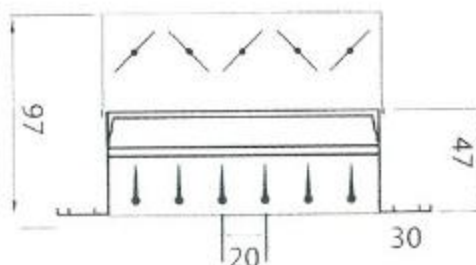
DOUBLE DEFLECTION ADJUSTABLE GRILLES

APPLICATION:

Air supply or air return in Air-conditioning, Ventilating and Heating systems.

MOUNTING:

Overlapped in sidewall or in false ceiling by means of hidden fixing systems.



IMPLEMENTATION:

Extruded aluminium construction. Frames with flat frontal face of 20 mm or 30 mm and individually adjustable blades to regulate the throw of air in the pitch of 20 mm gap. Available in front horizontal back side vertical bars, both side adjustable louvers. Front horizontal with fixed bars and rear vertical with adjustable blades also available. All standard or non standard sizes, with or without collar dampers can be made.

STANDARD FINISHES:

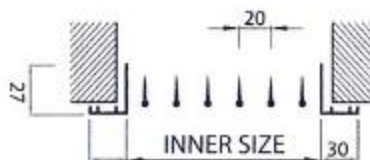
Natural Aluminium, Anodized or Powder coated in standard RAL white colours.

SINGLE DEFLECTION ADJUSTABLE GRILLES**APPLICATION:**

Air supply or air return in Air-conditioning, Ventilating and Heating systems.

MOUNTING:

Overlapped in sidewall or in false ceiling by means of hidden fixing systems.

**IMPLEMENTATION:**

Extruded aluminium construction. Frame with flat frontal face of 30 mm or 20 mm flanges and individually adjustable blades to regulate the throw of air in the pitch of 20 mm gap. Blades available horizontally or vertically in front side only. Available in all standard or non-standard sizes with or without collar dampers.

STANDARD FINISHES:

Natural Aluminium, Anodized or Powder coated in standard RAL white colours.

NON VISION GRILLES (OR) DOOR TRANSFER GRILLES**APPLICATION:**

Air supply or air return in Air-conditioning, Ventilating and Heating systems.

MOUNTING:

Fixing on the doors to transfer the air from one cabin to another cabin and also in the toilet doors fixing by means of visible screws.



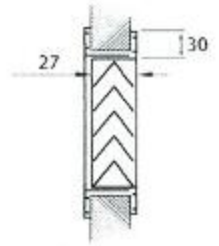
**SINGLE DEFLECTION
ADJUSTABLE GRILLE
CURVED VANES
SWIRL DIFFUSER**



NON-VISION GRILLE

IMPLEMENTATION:

Non Vision Grilles constructed in high grade aluminium extrusions with telescopic frames and 'V' Shaped blades for air transfer. Frame with flat frontal face of 30 mm and 'V' type sight proof fixed louvers. Available in standard or non - standard sizes.

**STANDARD FINISHES:**

Natural Aluminium, Anodized or Powder coated in standard RAL white colours.

EGG CRATE GRILLES**APPLICATION:**

Air supply or air return in Air-conditioning, Ventilating and Heating systems.

MOUNTING:

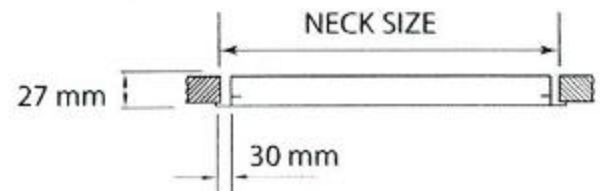
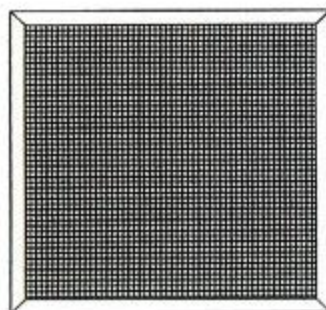
Overlapped in sidewall or in false ceiling by means of hidden fixing systems.

IMPLEMENTATION:

Extruded aluminium construction. Frame with flat frontal face and inner netting grille of 13 mm x 13 mm made of aluminium. Provides maximum air flow and very low noise level as the grille's free area is >90% of the nominal area.

STANDARD SIZES:

Available in all standard sizes upto 1200 x 600 mm.

**STANDARD FINISHES:**

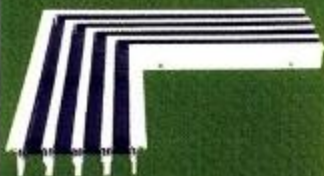
Natural Aluminium, Anodized or Powder coated in standard RAL white colours.

EGG CRATE GRILLE

DIFFUSERS



SLOT DIFFUSER



CORNER SLOT



'L' CORNER SLOT



CURVED SLOT

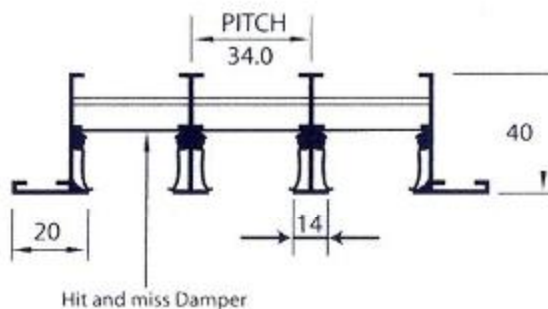
SLOT DIFFUSERS (OR) LINEAR DIFFUSERS

APPLICATION:

Air supply or air return between 2.6mtrs and 4.0mtrs high in Air-conditioning, Ventilating and Heating systems.

MOUNTING:

Overlapped in false ceiling by means of hidden fixing systems. They all keep the formation of continuous line diffusers with active and inactive areas without breaking the uniformity of the slots.



IMPLEMENTATION:

Frames and blades are high quality extruded aluminium profiles. Frame with flat frontal face and vanes in linear layout. Hit and miss dampers available for control the air throw. Available from 1 slot to 10 slots diffuser or more on request. All standard or non-standard sizes are available.

STANDARD FINISHES:

Natural Aluminium, Anodized or Powder coated in standard RAL white colours.

DIFFUSERS

APPLICATION:

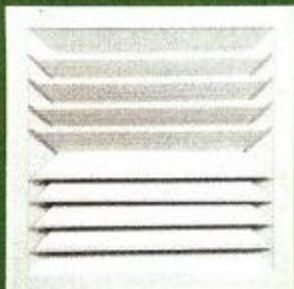
Air supply or air return between 2.6mtrs and 4.0mtrs high in Air-conditioning, Ventilating and Heating systems.

MOUNTING:

Overlapped in false ceiling by means of hidden fixing systems or replacing a false ceiling tile.



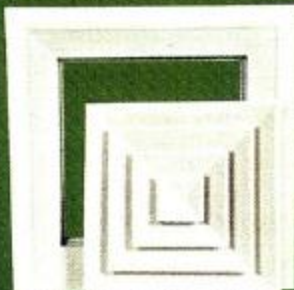
ONEWAY DIFFUSER



TWOWAY DIFFUSER



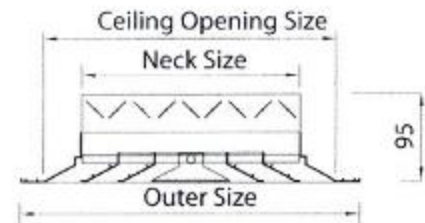
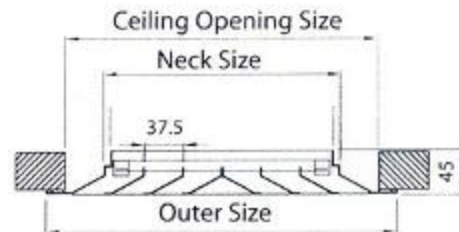
THREWAY DIFFUSER



FOURWAY DIFFUSER



TEGULAR DIFFUSER



IMPLEMENTATION:

Extruded aluminium construction. Designed to discharge large volumes of air in all four directions with minimum pressure drop and low sound level. External frame with flat 33mm frontal face and inclined in internal core. Centre cores assembly removable type to remove easily for cleaning purpose and for concealed fixing as well as for damper operation. Available in one way, two way, three way or fourway.

SIZES:

Standard and non-standard square and rectangular sizes are available. Both flush type and step down models will be made as per the requirements.

NECK SIZE	150	225	300	375	450	525	600
FALSE CEILING OPENING SIZE	235	310	385	460	535	610	685

STANDARD FINISHES:

Natural Aluminium, Anodized or Powder coated in standard RAL white colours.



RECTANGULAR DIFFUSER



STEP DOWN DIFFUSER

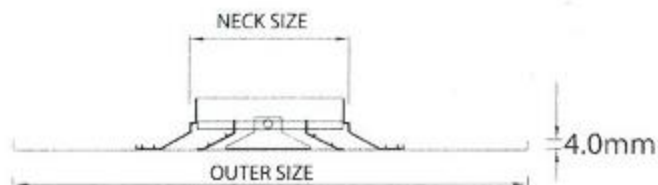
ARMSTRONG BOARD (OR) TEGULAR DIFFUSERS (OR) TILE REPLACEMENT DIFFUSERS

APPLICATION:

Air supply or air return between 2.6 mtrs and 4.0 mtrs high in Air-conditioning, Ventilating and Heating systems. Useful in modular ceiling applications. Where a ceiling tile can be replaced by a diffuser of any neck size.

MOUNTING:

Replacing a false ceiling tile, fixing by means of hidden fixing systems or directly on the plenum boxes.



IMPLEMENTATION:

Extruded aluminium construction. Designed to discharge large volumes of air in all four directions with minimum pressure drop and low sound level. External frame with flat 75mm frontal face and inclined internal cores. Centre cores assembly removable type can be removed for easy cleaning purpose and for concealed fixing as well as for damper operation. For Armstrong tile ceiling flush model Armstrong diffuser can be used. Tegular diffusers having step in the border also available for gypsum board modular ceiling.

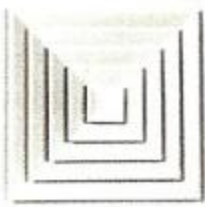
SIZES:

Standard outer size of 595 x 595 mm only with all standard neck sizes are available. Both flush type and step down models are also available.

NECK SIZE	150	225	300	375	450
OUTER SIZE	595	595	595	595	595

STANDARD FINISHES:

Natural Aluminium, Anodized or Powder coated in standard RAL white colours.



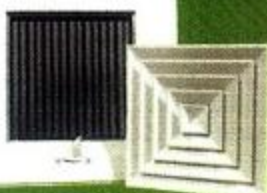
**ARMSTRONG
DIFFUSER**



TEGULAR DIFFUSER



**ARMSTRONG/TEGULAR
DIFFUSER WITH VCD**



**TEGULAR DIFFUSER
WITH LEVER
OPERATED VCD**



ROUND DIFFUSER

ROUND DIFFUSER
WITH VCDTILE REPLACEMENT
ROUND DIFFUSER

ROUND DIFFUSERS/

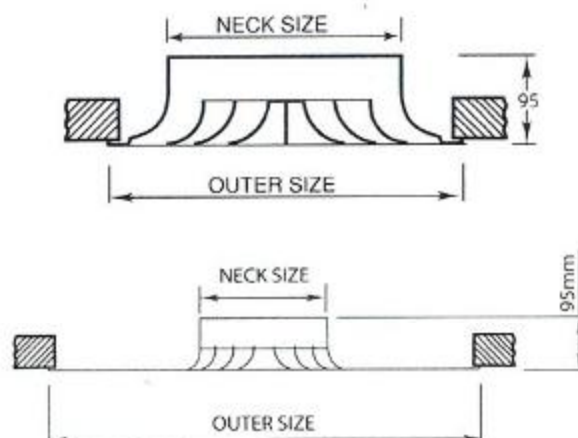
ROUND TILE REPLACEMENT DIFFUSERS

APPLICATION:

Air supply or air return to different heights from 2.6 mtrs to 4.0 mtrs in Air-conditioning, Ventilating and Heating systems. High air handling capacity. Useful in modular ceiling application, where a ceiling tile can be replaced by a round diffuser of any neck size.

MOUNTING:

Overlapped in false ceiling by means of hidden fixing systems or revetted onto a visible circular duct as well as directly on the plenum boxes.



IMPLEMENTATION:

Constructed in high grade aluminium. External frame with flat frontal face and angled internal cores. Removable center core assembly can be removed easily for concealed fixing purpose and also for operating the damper by means of screws. For air supply butterfly damper can be revetted on the back side of the diffusers.

SIZES AVAILABLE:

FOR ROUND DIFFUSERS

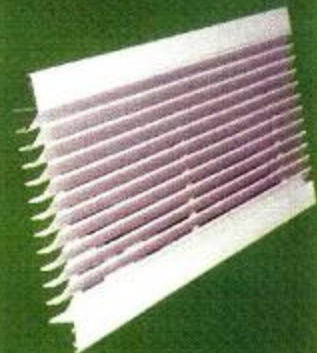
NECK SIZE	Ø150	Ø200	Ø250	Ø300	Ø350	Ø400	Ø450	Ø500
OUTER SIZE	Ø250	Ø300	Ø355	Ø405	Ø465	Ø515	Ø570	Ø620

FOR TILE REPLACEMENT DIFFUSERS

NECK SIZE	Ø150	Ø200	Ø250	Ø300	Ø350	Ø400	Ø450
OUTER SIZE	595	595	595	595	595	595	595

STANDARD FINISHES:

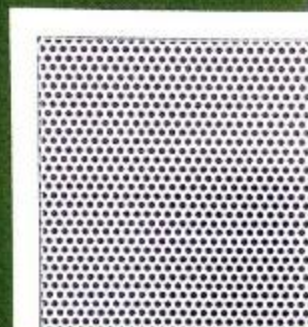
Available in Natural Aluminium, Anodized or Powder coated in standard RAL white colours.



**STRIPLINE DIFFUSER
ONE WAY**



**STRIPLINE DIFFUSER
TWO WAY**



**PERFORATED
DIFFUSER**

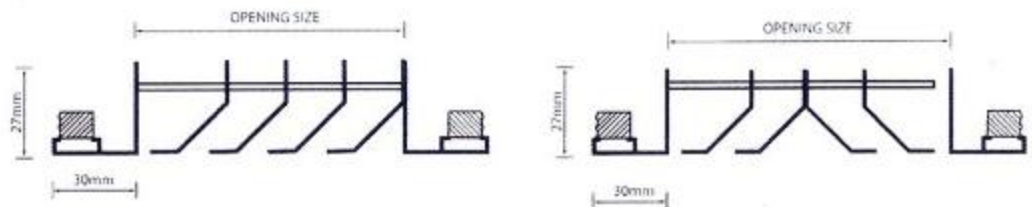
STRIPLINE DIFFUSERS

APPLICATION:

Air supply or air return between 2.6 mtrs and 4.0 mtrs high in Air-conditioning, Ventilating and Heating systems.

MOUNTING:

Overlapped in false ceiling by means of hidden fixing systems or by means of visible screws on the flanges.



IMPLEMENTATION:

Extruded aluminium construction. Ideally designed for ceiling installation. High diffusion rates leading to rapid temperature and velocity equalization. Efficient and draft free horizontal air flow pattern. Frame with flat frontal face of 30 mm and 45 degree angled center blades assembly made of aluminium. Available in one way or two way, all standard and non-standard sizes.

STANDARD FINISHES:

Available in Natural Aluminium, Anodized or Powder coated in standard RAL white colours.

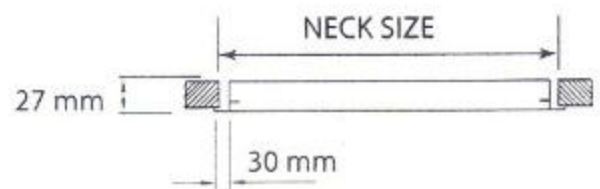
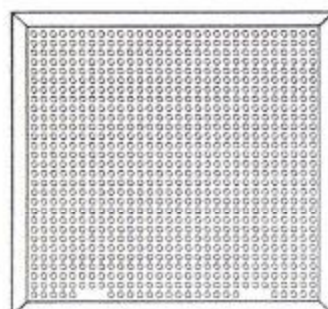
PERFORATED DIFFUSERS

APPLICATION:

Air supply between 2.6mtrs and 4.0 mtrs high or air return according to model in Air-conditioning, Ventilating and Heating systems. Suitable for clean rooms in Pharmaceuticals and Hospitals where laminar flow pattern is envisaged.

MOUNTING:

Overlapped in false ceiling by means of hidden fixing systems or replacing a false ceiling tile.



IMPLEMENTATION:

High quality aluminium sheet construction. External frame with flat frontal face of 30 mm and internal uniformly punched sheet. Can be available in fixed type or removable type. The perforated panel is removable to ensure easy access for cleaning and air balancing. In all standard or non-standard sizes can be done as per your requirements available with or without collar dampers.

STANDARD FINISHES:

Available in Natural Aluminium, Anodized or Powder coated in standard RAL white colours.

ADJUSTABLE VANES SWIRL DIFFUSERS**APPLICATION:**

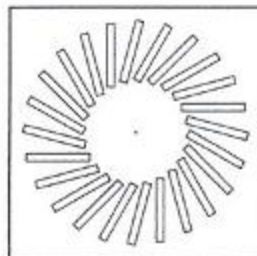
Square swirl diffuser with individually adjustable vanes to be used from 2.6mtrs to 4.0 mtrs high in Air-conditioning, Ventilating and Heating systems.

MOUNTING:

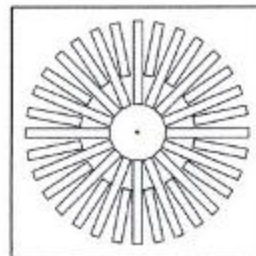
Overlapped in false ceiling by means of hidden fixing systems or directly replacing the false ceiling tile as well as directly in the plenum boxes.



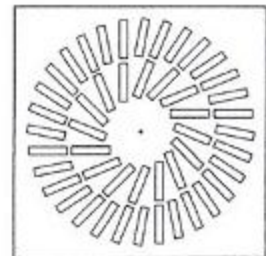
**ADJUSTABLE VANES
SWIRL DIFFUSER**



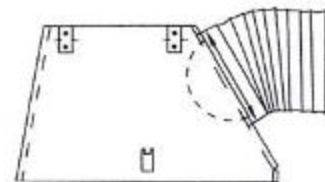
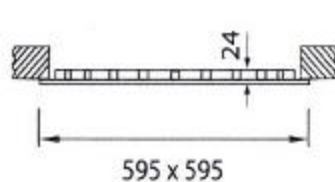
COS - SD AV - 24



COS - SD AV - 32



COS - SD AV - 48

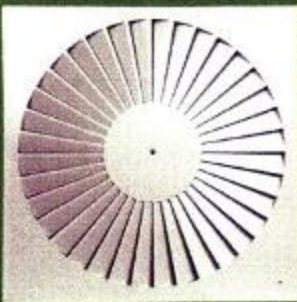
**IMPLEMENTATION:**

High quality aluminium sheet construction. Slots punched in a radial layout with individually adjustable black plastic vanes on rear side. Available in standard sizes to fix with plenum boxes. Ensures a swift reduction in temperature and flow velocity by means of swirling discharge and the addition of induction air, excellent performance that eliminates drafts and stratification. Rapid entrainment and intermixing capabilities.

STANDARD FINISHES:

Available in Natural Aluminium, Anodized or Powder coated in standard

FIXED VANES SWIRL DIFFUSERS



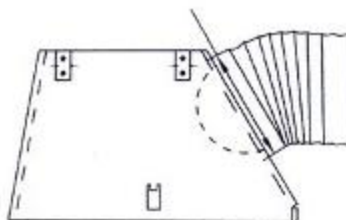
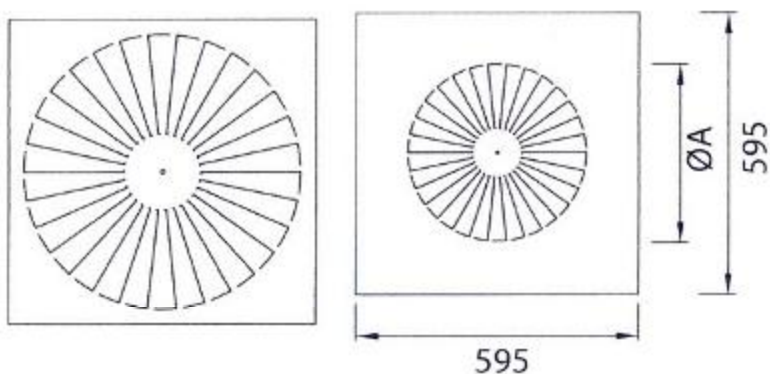
FIXED VANES SWIRL DIFFUSERS

APPLICATION:

Air supply or air return between 2.6mtrs and 4.0mtrs high in Air-conditioning, Ventilating and Heating systems.

MOUNTING:

Directly to the plenum box by means of hidden fixing systems or replace the false ceiling tile.



VAR	ØA
01	Ø10"
02	Ø14"
03	Ø18"
04	Ø21"

IMPLEMENTATION:

High quality aluminium sheet construction. Ensure a swift reductions in temperature and flow velocity by means of swirling discharge and the addition of induction air, excellent performance that eliminates drafts and stratification. Rapid entrainment and intermixing capabilities. Aluminium square sheet uniformly punched in a radial layout. Standard outer size of 595 x 595 available with the inner sizes of 10", 14", 18" and 21" dia

STANDARD FINISHES:

Available in Natural Aluminium, Anodized or Powder coated in standard RAL white colours.



**CURVED VANES
SWIRL DIFFUSER**

CURVED VANES SWIRL DIFFUSERS

APPLICATION:

Air supply between 2.6mtrs and 4.0mtrs high in Air-conditioning, Ventilating and Heating systems. Modern and stylish design, available to suit tile replacement applications.

MOUNTING:

Overlapped in false ceiling by means of hidden fixing systems or directly to the plenum box to replace the false ceiling tile.

IMPLEMENTATION:

High quality extruded aluminium construction. Frame with flat frontal face of 30mm with inside adjustable curved blades to adjust the air throw, available in oneway, twoway, threeway or fourway adjustable types in standard sizes. Delivers significantly higher air charge rate as compared to conventional diffusers. Excellent performance that eliminates drafts and stratification.

STANDARD FINISHES:

Available in Natural Aluminium, Anodized or Powder coated in standard RAL white colours.

SPOT DIFFUSERS (OR) JET NOZZLES

APPLICATION:

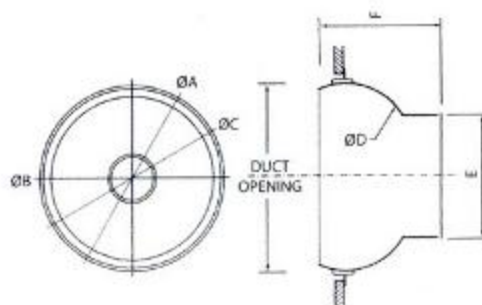
Air supply into large spaces like Airports, Cinema theatres, Shopping malls and in high roofing industries. They are specially designed to achieve a long throw in Air-conditioning, Ventilating and Heating systems.

MOUNTING:

Overlapped in the false ceiling by means of hidden fixing systems or revetted on to visible ducts according to the requirements.



SPOT DIFFUSERS



VAR No	A	SPOT SIZE	C	D	E	F	DUCT OPENING
01	Ø230	Ø200	Ø250	Ø203	Ø100	165	Ø208
02	Ø340	Ø304	Ø362	Ø314	Ø165	262	Ø318
03	Ø450	Ø410	470	Ø420	Ø225	340	Ø425

IMPLEMENTATION

External ring with a flat circular and spherical inner nozzle manually adjustable to any desired angle within $\pm 40^\circ$. Using the mechanical principle of ball and socket joint made of aluminium and available in three sizes of $\varnothing 200$, $\varnothing 300$ & $\varnothing 400$ mm respectively with or without dampers.

STANDARD FINISHES:

Available in Natural Aluminium, Anodized or Powder coated in standard RAL white colours.

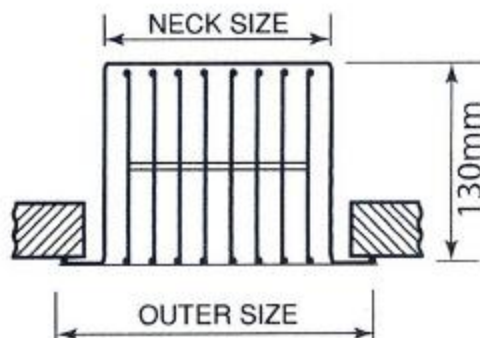
JET DIFFUSERS

APPLICATION:

Jet diffusers are to be used for very high ceilings like Airports, Cinema theatres, Shopping malls, Exhibition halls and high roofing industries. For ceiling mounting supply of large quantities of air or side wall installation with very long throws. High air handling capacity with low noise level.

MOUNTING:

Fixing by means of visible metal screws on flanges in sidethrow or to be fixed directly with plenum boxes.



IMPLEMENTATION

Frame and inner rings are made of high quality aluminium. Jet diffusers are mounted in aluminium square plate covered by flanged border. Diffusers can be adjustable 30° upwards or downwards to achieve required throw as per site conditions.

NECK SIZE	150	200	250	300	350	400	450
OUTER SIZE	195	245	295	355	405	455	505

STANDARD FINISHES:

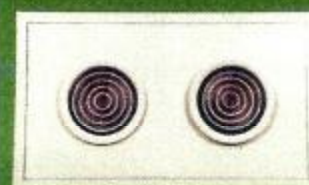
Available in Natural Aluminium, Anodized or Powder coated in standard RAL white colours.



JET DIFFUSERS



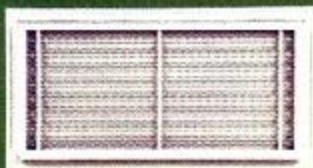
JET DIFFUSERS
WITH PANEL



LOUVERS



LOUVER



LOUVER WITH
BIRD SCREEN



GRAVITY LOUVERS



LOUVERS

APPLICATION:

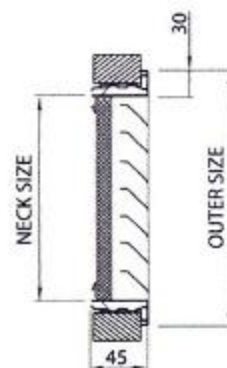
Outdoor installation to take the air from the exterior or to expel the used air in Air-conditioning, Ventilating and Heating systems. Louvers are designed to prevent rain penetration.

MOUNTING:

Overlapped in the wall by means of visible screws or side frames to fix in place.

IMPLEMENTATION

Frame with flat frontal face of 30mm and inner fixed blades inclined at 45°, from 27 to 32mm pitch according to sizes. Diamond mesh of 13mm x 13mm fixed on back side of the louver to avoid the entrance of foreign bodies into the installation. Provides a neat external appearance to the building. Available in standard or non-standard sizes.



STANDARD FINISHES:

Available in Natural Aluminium, Anodized or Powder coated in standard RAL white colours.

GRAVITY LOUVERS

APPLICATION:

Air expelling in Air conditioning, Ventilating and Heating systems.

MOUNTING:

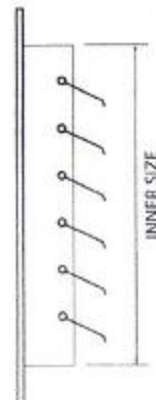
Overlapped in the wall by means of visible screws.

IMPLEMENTATION

Frame with flat frontal face of 30 mm and inner leaves of aluminium sheets connected by means of metal screws with the frame. Recommended alongwith exhaust fan installation louvers to open when fan is in operation at duct branches. Designed to prevent rain penetration. Standard or non-standard sizes also available.

STANDARD FINISHES:

Available in Natural Aluminium, Anodized or Powder coated in standard RAL white colours.





DISC VALVES



DAMPERS



DUCT DAMPER

MOTORISED
DUCT DAMPERALUMINIUM
DUCT DAMPER

ROUND DUCT DAMPER

DISC VALVES

APPLICATION:

Air Valves are with adjustable core for air supply or air return in Air-conditioning, Ventilating and Heating systems.

MOUNTING:

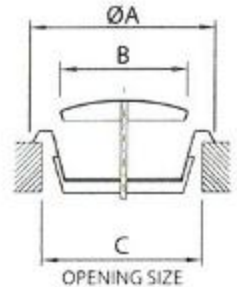
Fixing by means of 'S' clip for concealed fixing.

IMPLEMENTATION

Frame and disc are made of galvanized steel. Disc attached to the frame by means of threaded rod. Air flow can be adjusted by regulating the Disc up or down. Available in 100mm, 150 mm and 200 mm inner size.

STANDARD FINISHES:

Powder coated in standard RAL white colours.



DUCT DAMPERS

APPLICATION:

Suitable to control the air volume in ducts in Air-conditioning, Ventilating and Heating systems. Ensures duct system air balancing

MOUNTING:

Mounted in the branches of air distributions ducts by means of bolts and Nuts.

IMPLEMENTATION

Frame with flat frontal face and inner 'V' grooved blades or inner aerofoil blades connected to the frame by means of rods and bushes. Can be operated manually or motorized by means of nylon bushes or by gears. Available in parallel type or opposite blades types. Dampers constructed in aluminium, galvanized steel or mild steel. Available in any standard or non standard sizes. Round duct dampers are also available.

STANDARD FINISHES:

ALUMINIUM: Natural Aluminium or Powder coated in Standard RAL colours.

GALVANIZED STEEL: With Aluminium paint.

MILD STEEL: With black or red oxide paint as well as in powder coated finish.



**FIRE DAMPER
WITH FUSIBLE LINK**



**MOTORISED
FIRE DAMPER**



**ALUMINIUM
COLLAR DAMPERS**



FIRE DAMPERS

APPLICATION:

Suitable to control the fire in rectangular ducts in Air-Conditioning, Ventilating and Heating systems.

MOUNTING:

Mounted in the branches of air distribution ducts.

IMPLEMENTATION

Frame with flat frontal face and inner 'V' grooved blades or aerofoil blades connected to the frame by means of rods and bushes. Dampers with shutting mechanism by thermal fusible link or spring return type motor. Fusible links are tested and certified by Underwriters Laboratories, Waterloo, USA. Motors are available in different torque for higher sizes. Constructed in aluminium, galvanized steel or mild steel at standard or non- standard sizes.

STANDARD FINISHES:

Available in Natural Aluminium and Galvanized steel finish.

COLLAR DAMPERS

APPLICATION:

Suitable to control the volume of air behind the grilles or diffuser in Air-conditioning, Ventilating and Heating systems.

MOUNTING:

Installed in ducts by means of metal screws or revetted directly behind the grilles or diffusers.

IMPLEMENTATION

Helps in adjusting air volumes to ensure balancing as per envisaged design. Smooth and easy operation. A black frame of 50 mm depth and inner blades assembly. Available in aluminium or mild steels as well as in screw operated or lever operated types. Aluminium Collar dampers are opposite blades operated and mild steel dampers are parallel blades operated. Can be made for any required sizes. Round butterfly type collar dampers are also available.

STANDARD FINISHES:

ALUMINIUM: Natural Aluminium, Anodized or Powder coated in black colour.

MILD STEEL: Painted in black or Powder coated in black colour.