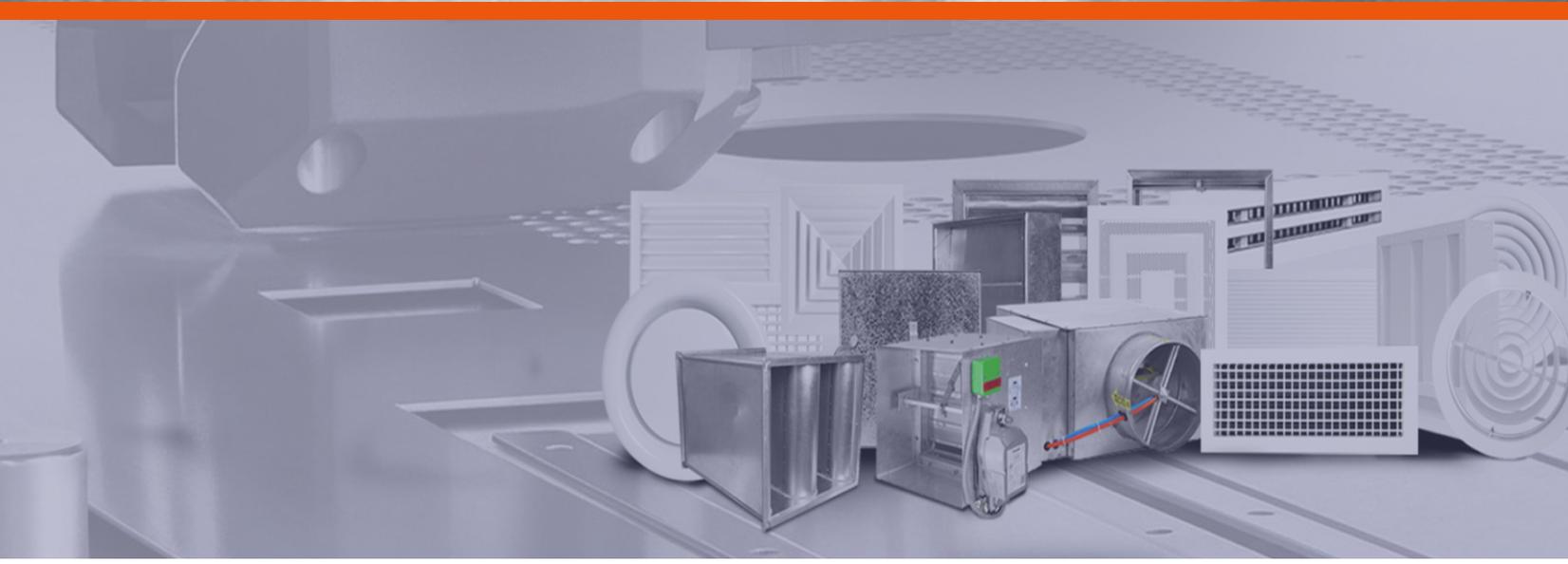


# Airflow

PRODUCTS



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Airflow Products are the leading manufacturers and suppliers of air distribution products for the HVAC industries with expertise in aesthetic aluminum products for special requirements.

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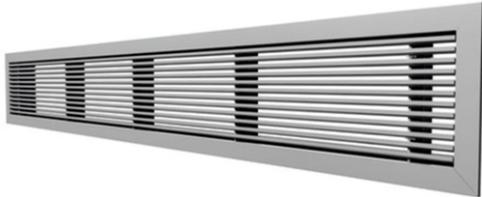
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**Airflow**  
PRODUCTS 

## Aluminium Linear Grill

These Grilles are available in standard 1.8 meter length with perfect alignment between two adjusting grilles. These grilles have fixed air deflection of 0,15,30 or 45 Degree. The vertical air pattern control can be achieved by installing adjustable louvers in the supply air collar behind the grille.



### FEATURES

- Extruded Aluminium Construction
- Available in 0, 15, 30 & 45° Deflection
- Optional Oppose Blade Damper for Supply Air Grille

### MODELS

- AP-ALG-00 / 15 / 30 / 45  
For 00 / 15 / 30 / 45° Deflection with Damper
- AP-ALG-00 / 15 / 30 / 45-SAG  
For 00 / 15 / 30 / 45° Deflection with Damper

## Aluminium Curved Grille

These Grilles are available in standard 1.8 meter length with perfect alignment between two adjusting grilles. These grilles have fixed air deflection of 0,15, 30 or 45 Degree. The vertical air pattern control can be achieved by installing adjustable louvers in the supply air collar behind the grille.



### FEATURES

- Extruded Aluminium Construction
- Available in 0, 15, 30 & 45° Deflection
- Optional Oppose Blade Damper for Supply Air Grille

### MODELS

- AP-ALG-00 / 15 / 30 / 45  
For 00 / 15 / 30 / 45° Deflection with Damper
- AP-ALG-00 / 15 / 30 / 45-SAG  
For 00 / 15 / 30 / 45° Deflection with Damper

## Aluminium Single Deflection Grille

Aerofoil shape louver in vertical or horizontal position, with help of the adjustable air pattern controlling louver two way air deflection can be achieved. Choice of horizontal or vertical louver on front side is available. For adjusting air quantity, an opposed blade damper can attached with the grille



### FEATURES

- Extruded Aluminium Construction
- Individually adjustable Aerofoil Shaped Louvers
- Nylon Bushing for Smooth Operation
- Optional Oppose Blade Damper for Supply Air Grille

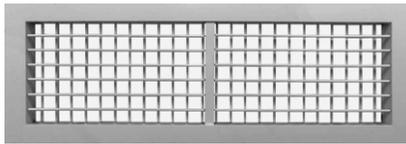
### MODELS

- AP-SDG-SH / SV  
SH for Front Louver Horizontal & SV for Front Louver Vertical
- AP-SDG-SH / SV-SAG  
SH for Front Louver Horizontal & SV for Front Louver Vertical with Damper

## Aluminium Double Deflection Grille

Double Deflection Grilles / Registers, commonly used for

side walls application. Available with Horizontal and Vertical louver with help of the adjustable air pattern controlling louver. Four way air deflection can be achieved. Generally opposed damper is not used for return air, however damper can be provided for special application.



### FEATURES

- Extruded Aluminium Construction
- Individually adjustable Aerofoil Shaped Louvers
- Nylon Bushing for Smooth Operation
- Optional Oppose Blade Damper for Supply Air Grille

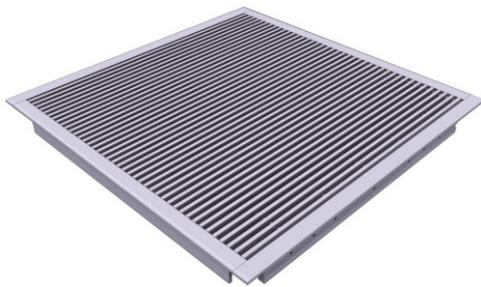
### MODEL

- AP-DDG-HV  
HV for Front Louver Horizontal & Rear Louver Vertical
- AP-DDG-VH  
VH for Front Louver Vertical & Rear Louver Horizontal
- AP-DDG-HV-SAG  
HV for Front Louver Horizontal & Rear Louver Vertical with Damper
- AP-DDG-VH-SAG  
VH for Front Louver Vertical & Rear Louver Horizontal with Damper

## Aluminium Floor Grille

Floor Grille, are used where Precision Air-conditioning is

done with under floor air distribution systems, like computer room, server room or telecommunication centers. These grilles are available in Heavy Duty Extruded Aluminium or CRCA steel perforated sheet duly powder coated.



### FEATURES

- Heavy Duty Extruded Aluminium Construction
- Volume control damper attached with Grilles
- Designed to fit in False Flooring of 2' x 2' tile
- Optional Oppose Blade Damper for Supply Air Grille

### MODEL

- AP-AFG  
Without Oppose Blade Damper
- AP-AFG-SAG  
With Oppose Blade Damper

## Aluminium Door Transfer Grille

Door Transfer Grilles are used in the cabins door,

to transfer return air in to the general area or open office. Optional double frame is provided to match aesthetic appearance of the Grille from both side of the door.



### FEATURES

- Extruded Aluminium Construction
- Light Transfer proof, no see through type horizontal fixed louvers
- Optional Both Side Frame

### MODEL

- AP-DTG-SF  
For One Side Frame
- AP-DTG-SF  
For Both Side Frame

## Aluminium Round Grille

Aluminium Round Grilles are available in variable diameter. These grilles have fixed air deflection of 0, 15, 30 or 45°.



### FEATURES

- Aluminium Die Casting & Extruded Aluminium Construction
- Optional Damper for Supply Air Grille

### MODELS

- AP-ARG-00 / 15 / 30 / 45  
For 00 / 15 / 30 / 45 ° Deflection
- AP-ARG-00 / 15 / 30 / 45-SAG  
For 00 / 15 / 30 / 45 ° Deflection with Damper

## Aluminium Four Way Diffuser

Square Swirl Diffuser is mainly used for air supply for air conditioning and ventilators it is also known as Multi Direction Outlet. For its special multi direction design, it can provide multi-angle airflow, which can create a more comfortable environment. It also enables a quick and easy reconfiguration of air discharge pattern by repositioning of the individual cores.



### FEATURES

- Extruded aluminium construction.
- Four way uniform Air Distribution
- Balance between aesthetic appearance and performance.
- Removable air pattern modules can be removed for access to optional VCD

### MODELS

- AP-ASD  
Without Oppose Blade Damper
- AP-ASD-D  
With Oppose Blade Damper

## Two Way Diffuser / Grille (Mac D)

Air supply or Two Way Linear Grilles return in-conditioning, ventilating and heating systems. Available Ex-stock in 595 x 595 mm size.



### FEATURES

- Extruded Aluminium Construction
- Two way uniform Air Distribution
- For ceiling application

### MODELS

- AP-TMCD  
Without Oppose Blade Damper
- AP-TMCD-D  
With Oppose Blade Damper

## Aluminium Linear / Stripline Diffuser

Aluminium Linear Diffuser, are suitable for draft free supply air from ceiling. Available in one way or two way discharge pattern



### FEATURES

- Extruded Aluminium construction.
- 45° Discharge parallel to ceiling
- Optional Collar Damper

### MODEL

- AP-LD-OW  
For One way
- AP-LD-TW  
For Two Way

## Aluminium Slot Diffuser

These are available from 1 to 8 slot in 12.5 mm(0.5 inch), 19 mm (0.75 inch) and 25 mm (1 inch) slot width. Air flow can be adjusted with help of air pattern controller. Air quantity and be regulated by adjusting collar damper through the slot.



### FEATURES

- Extruded Aluminium Constructio
- Inbuilt Air Pattern Controller
- Easy Operation of Collar Damper through the Slot

### MODEL

- AP-SDG-SH / SV  
SH for Front Louver Horizontal & SV for Front Louver Vertical
- AP-SDG-SH / SV-SAG  
SH for Front Louver Horizontal & SV for Front Louver Vertical with Damper

## Aluminium Modular Diffuser

These are used for Modular Ceiling in Armstrong type tile ceiling, which is fast substituting conventional Gypsum ceiling. These Diffusers enables to match tile size irrespective of collar size of the diffusers. These diffusers are designed to blend with tile used for ceiling and are available in two standard patterns, Flush( Lay-In)/ and Tegular.



### FEATURES

- Extruded Aluminium or One Piece Joint less Inner Core
- Standard Dimension 595x595 mm to match the modular ceiling frame work
- Flush or Tegular patterns to match ceiling tile design

### TECHNICAL SPECIFICATIONS

Model	AF-GAD-FL	AF-GAD-FL	AF-GAD-FL	AF-GAD-FL	AF-GAD-FL
<b>Neck Size</b> Dimensions in (MM)	150 x 150	225 x 225	300 x 300	375 x 375	450 x 450
<b>Out to Out Size</b> Dimensions in (MM)	595 x 595				

## Radial Vane Swirl Diffuser

Radial Vane Swirl Diffuser is a fixed air pattern swirl diffuser giving a horizontal discharge with a set of pre-formed close pitch vanes and being available in either a square or circular ceiling panel format. An additional anti smudge diffuser ring may be fitted to minimise the collection of dust particles on the diffuser face. Typical applications include all general offices and reception areas.



### FEATURES

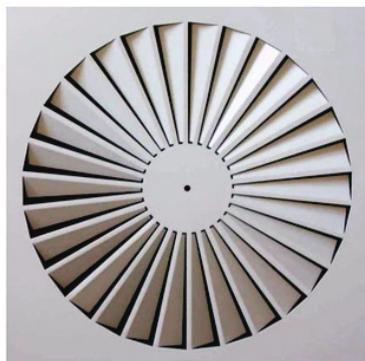
- Swirl Diffusers are designed to create a rotary swirling motion to the supply air discharge.
- It rapidly induces the room air to quickly decrease the velocity and temperature difference of the supply air.

### MODELS

- AP-ALSWD

## Aluminium Helical Swirl Diffuser

The salient feature is to create high induction ratio and a rapid consolidation of supply air and room temperature as a result of helical air stream discharge. This diffuser is capable of handling high air discharge without draft. These diffusers are supplied with acute angled deflectors which are adjusted for desired air flow.



### FEATURES

- Made of Aluminium sheet / G.I. sheet steel
- Designed for T Bar Modular ceiling application
- Available in 12/ 24/ 32/48 slots
- Inbuilt Butterfly Damper with plenum Box is optional for supply air

### MODELS

- AP-HSD 12 / 24 / 32 / 48  
For 12 Slot / 24 Slot / 32 Slot / 48 Slot
- AP-HSD 12 / 24 / 32 / 48-PL  
For 12 Slot / 24 Slot / 32 Slot / 48 Slot with Plenum Box for Supply Air

## Aluminium Gypsum Diffuser

Square/Rectangular Ceiling Diffuser, gives a draft free air distribution. Four way Square /Rectangular distribution allows equal supply in all four directions, while three, two or one way diffusers permit the supply in desired direction. Removable centre core arrangement enables conceal fixing without visible mounting screws and also easy access to the volume control damper for balancing the air conditioning system.



### FEATURES

- Extruded Aluminium or One Piece Joint less Aluminium Sheet Construction
- Available with attached Damper in case of Supply air Diffuser
- 1, 2, 3 and 4 way combination for desired air direction
- Optional with oppose blade damper

### TECHNICAL SPECIFICATIONS

Model	AF-GAD-FL	AF-GAD-FL	AF-GAD-FL	AF-GAD-FL	AF-GAD-FL
<b>Neck Size</b> Dimensions in (MM)	150 x 150	225 x 225	300 x 300	375 x 375	450 x 450
<b>Out to Out Size</b> Dimensions in (MM)	275 x 275	350 x 350	425 x 425	500 x 500	575 x 575

## Aluminium Round Diffuser

Round Ceiling Diffuser provides an alternative option to square or rectangular diffuser, to Provide draft free supply air. Made out of aluminium sheet , removable core construction improves aesthetic by eliminating visible mounting screws.



### FEATURES

- Aluminium Sheet Construction
- Removable Inner core
- Butterfly Type Damper for Supply Air

### MODEL

- AP-ARD  
Without Butterfly Damper
- AP-ARD-D  
With Butterfly Damper

## Aluminium Jet Diffuser

Aluminium Jet Diffusers are used for Very high ceilings and large supply air quantities or side-wall installation with long throws and quite performance. Commonly used in Airport Terminals, Television Studios, Indoor Sports stadiums and High Building Atriums.



### FEATURES

- Aluminium Construction
- Optional with or without Volume Control Damper

### MODEL

- AP-AJD  
Without Volume Control Damper
- AP-AJD-D  
With Volume Control Damper

## Aluminium Jet Nozzle

Jet Nozzles are used where for long throw is required, which is not possible through ceiling diffusers like Connection centre, Airport Terminals, Indoor stadium, auditorium, malls etc. Jet Nozzles are installed on side walls can be turned through 30° from its centre line axis and rotated 360° .



### FEATURES

- Aluminium Construction
- Easy and smooth operating
- Available in 4", 6", 8" 10",12"& 15" Diameter sizes

### MODEL

- AP-AJN  
Without Volume Control Damper
- AP-AJN-D  
With Volume Control Damper

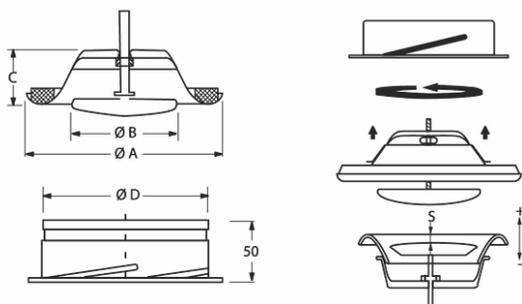
## Disc Valve

Disc Valve are used for supply or exhaust air. The air volume, noise level and pressure drop can be regulated with help of adjustable inner core.



### FEATURES

- Made out of Sheet Steel. / Rigid Plastic ABS
- Adjustable centre core
- Available in 4", 6" & 8" Diameter Size
- Available diameters are 100 mm, 125 mm, 150 mm, 160 mm & 200 mm
- Easy Installation on wall or ceiling
- The valve body is equipped with a cellular plastic gasket to form air tight seal
- The airflow is adjusted by rotating the control disc
- Supplied with mounting rings which is made of Galvanized steel



### TECHNICAL SPECIFICATIONS

Model No	Size	Dimensions in (MM)			
		ØA	ØB	ØC	ØD
AF-DV-100	100	138	75	40	97.5
AF-DV-125	125	164	100	46	122.5
AF-DV-150	150	202	120	50	147.5
AF-DV-160	160	211	130	54	157.5
AF-DV-200	200	248	158	63	197.5

## Aluminium Oppose Blade Damper

Regulates Air volume from particular collar while balancing Air conditioning system. Generally installed behind grilles or diffusers. Oppose blade operation for better regulation of air volume.



### FEATURES

- Extruded Aluminium Construction
- Nylon Gear for smooth Operation

### MODELS

- AP-AL-OB  
Aluminium Oppose Blade Damper

## Round Duct Damper

Round Duct Volume Control Dampers, are installed in branches of air distribution ducts to regulate air volume in different branches to achieve rough balancing of the system . The fine balancing is being carried out at the individual Grilles & Diffuser outlet.



### FEATURES

- G.I. Steel Construction

### MODELS

- AP-RDD  
Round Duct Volume Control Damper as per requirement.

## Volume Control Duct Damper-Motorised

Duct Volume Control Dampers, are installed in branches of air distribution ducts operated motorised, to regulate air volume in different branches to achieve rough balancing of the system. The fine balancing is being carried out at the individual grilles & diffuser outlet.



### FEATURES

- Extruded Aluminium or G.I. Sheet Steel
- Gear or Linkage Driven
- Nylon Bushing for smooth operation

### MODEL

- AP-VCD-GI-MO  
Motorised Operated G.I. Construction
- AP-VCD-AL-MO  
Motorised Operated Aluminium Construction

## Volume Control Duct Damper-Manual

Aerofoil Duct Volume Control Dampers, are installed in branches of air distribution ducts operated manually, to regulate air volume in different branches to achieve rough balancing of the system. The fine balancing is being carried out at the individual grilles & diffuser outlet.



### FEATURES

- Extruded Aluminium Construction
- Gear or Linkage Driven
- Nylon Bushing for smooth operation

### MODEL

- AP-AF-VCD-AL  
Manual Operated Aluminium Construction

## Fire Damper with Fusible Link-Manual

Fire Damper with Fusible Link Manual are

installed in branches of air distribution ducts operated with fusible link to regulate air volume in different branches to achieve rough balancing of the system. The fine balancing is being carried out at the individual Grilles & Diffuser outlet.



### FEATURES

- Heavy Duty 16 Gauge Construction
- UL-555 Certificate Fusible Link
- Standard Sleeve Length of 350mm & 600mm optional

### MODEL

- AP-FD-FL  
Fusible Link Operation
- AP-FD-FL-SL  
Fusible Link Operation with Sleeve

## Fire Damper-Motorised

Fire Damper-Motorised are installed in branches of air distribution ducts operated motorised, to regulate air volume in different branches to achieve rough balancing of the system. The fine balancing is being carried out at the individual Grilles & Diffuser outlet.



### FEATURES

- Heavy Duty 16 Gauge Construction
- Standard Sleeve Length of 350 mm & 600 mm optional

### MODELS

- AP-FD-MO  
Motorised Operation
- AP-FD-MO-SL  
Motorised Operation with Sleeve

## Aluminium / G. I. Gravity Louver

Gravity Louvers are suitable for low pressure /low velocity application. Light weight blades are fixed on free operative nylon bushes allows the blade to close down.



### FEATURES

- Available in Extruded Aluminum or G.I. Sheet Steel Construction
- Nylon Bushing for smooth operation

### MODELS

- AP-GL-AL  
For Aluminium Gravity Louvers
- AP-GL-GI  
For G. I. Gravity Louvers

## Aluminium / G. I. Louvers

INTAKE /EXHAUST LOUVERS are specially designed to match the aesthetic appearance of building. The blades are fixed at 45 ° to create no see through effect and also to achieve excellent rain protection feature. Optional Bird Screen is provided to prevent entry of any flying object.

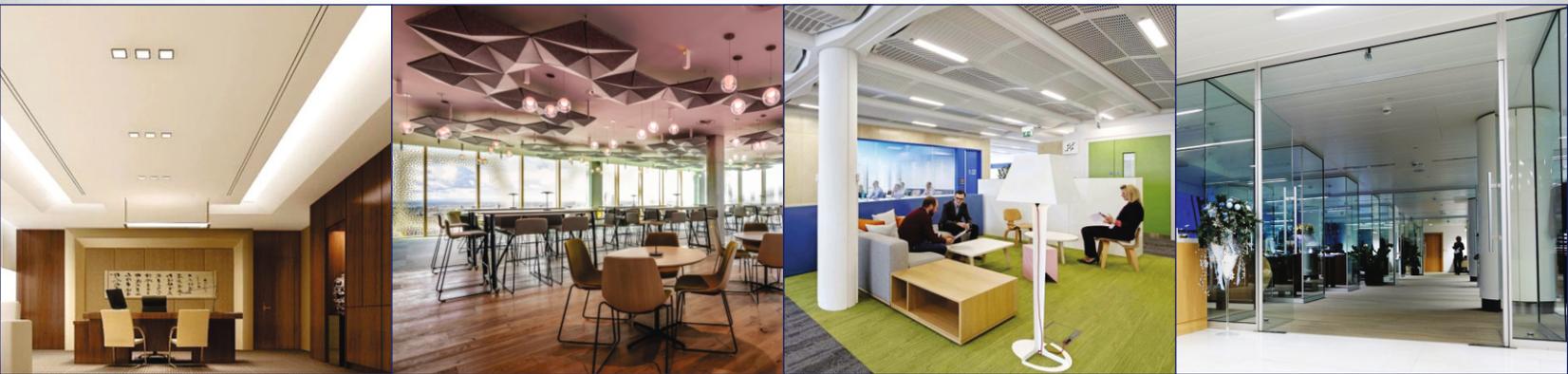


### FEATURES

- Available in Extruded Aluminum or G.I. Sheet Steel
- Blades Fixed at 45°
- Excellent Rain Protection Feature
- Optional Bird Screen

### MODELS

- AP-LUV-AL  
For Aluminium Intake / Exhaust Louvers
- AP-LUV-GI  
For G. I. Intake / Exhaust Louvers
- AP-LUV-GI/AL-BS  
For G. I. / Aluminium Intake / Exhaust Louvers with Bird Screen



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