

GD1000 SERIES.  
CELEBRATE THE  
QUIET COMFORT

**EXCELAIR**

Air Outlets



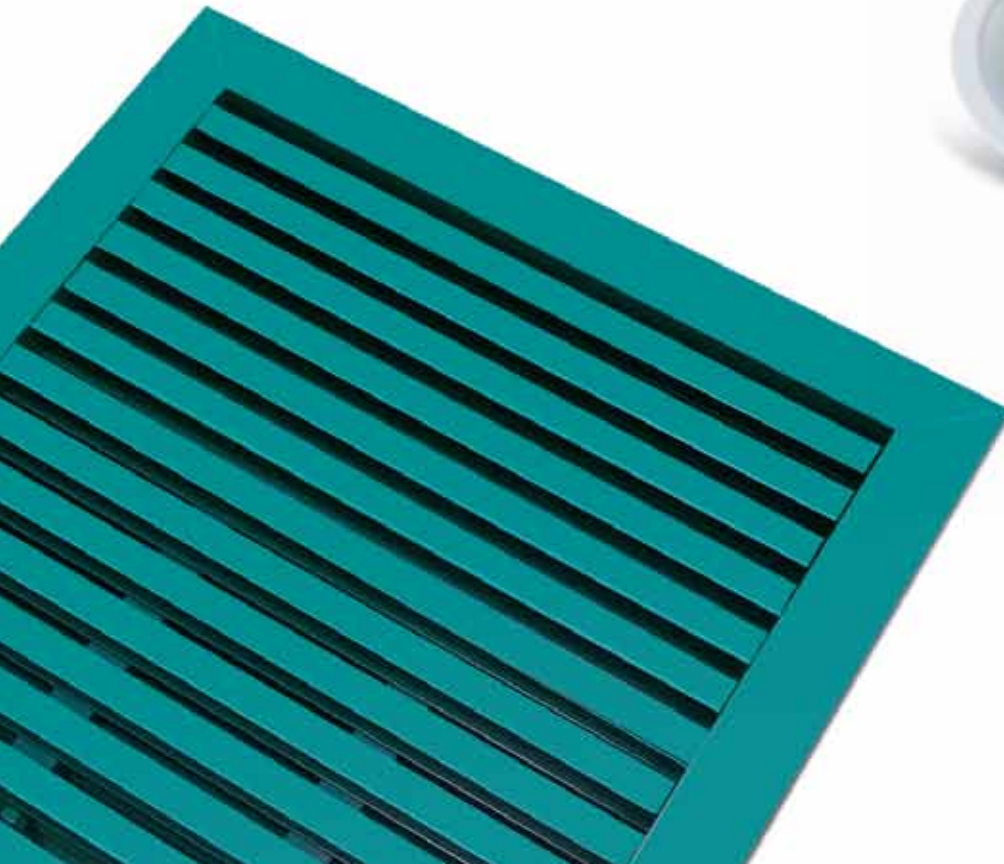
EXCELAIR Air Outlets are the latest addition to the extensive product range manufactured by the CMS Group and are designed to exceed expectations of air distribution requirements of commercial and domestic users. The range of versatile designed grilles and diffuser provide for adjustable panels which help to control and adjust vertical projections to horizontal circulation, adaptable for both variable and constant air volume systems and are available in both square and round profiles. EXCELAIR Air Outlet products are manufactured from quality assured aluminium profiles, available in finishes of mirror polish, satin, statuary bronze anodized and other anodized finishes.

We manufacture the complete range of Grilles and Diffusers and come in versatile design. Adjustable pattern helps control and adjust vertical projections to horizontal circulation, adaptable for both variable air volume and constant air volume systems. EXCELAIR Air outlets are available in a range of sizes.

GD1000  
GRILLES & DIFFUSERS SERIES

## Floor Grilles ▼

Floor Grilles are designed for floor and sill applications where light or heavy foot traffic will be experienced. These are best suited for offices, computer rooms, telecommunication facilities, universities and scientific research centers having raised floor. Our light and heavy duty floor grilles are aesthetically pleasing air distribution devices providing the required room comfort by eliminating the high temperature.



## Round Diffusers ▲

Round Diffusers are intended for application in air conditioning and ventilation systems in civil as well as industrial zones. Employed to diffuse and exhaust the air from large ambient. Suitable for heating, cooling and ventilation system for wide diffusion effect. Can be installed on false ceiling or exposed duct work. Diffusers with fully adjustable Aluminium sheet cores provide horizontal or vertical air pattern and larger throw. Adjustable cone-features offers high degree of mixing of primary air and secondary air that ensures efficient air distribution.



Intertek

### Supply & Return Air Grilles ▲

Supply and Return Air Grilles/Registers have broad range of applications fulfilling complete choice and engineering flexibility with robust construction and fine finish. With best architectural and engineering precision these are considered, to be the most frequently used devices in any heating, ventilating and cooling systems. This type of air outlet is the best suit for high-wall applications, residential buildings, bed rooms and exposed duct applications. They come with horizontal as well as vertical adjustable blades. They offer low pressure drop and low noise levels to the ambience. Standard finish is white painted under electrostatic polyester powder coating system, other colors available on request. Highest quality polyester powder coating enhances its appearance.

Intertek

### Linear Bar Grilles ▼

Linear Bar Grilles are considered as one of the attractive air distribution devices used in wide range of applications i.e. heating, ventilation, air conditioning systems. They are designed to suit any kind of fixture. LBG are specially constructed for mounting on side wall or sill, or at the junction of interior or exterior wall corners. Frames and blades are from superior quality aluminium profiles for maximum durability. Ensures un-restricted air flow with greater efficiency. Mullion bars across the blades provide additional strength and aesthetic value to the product.

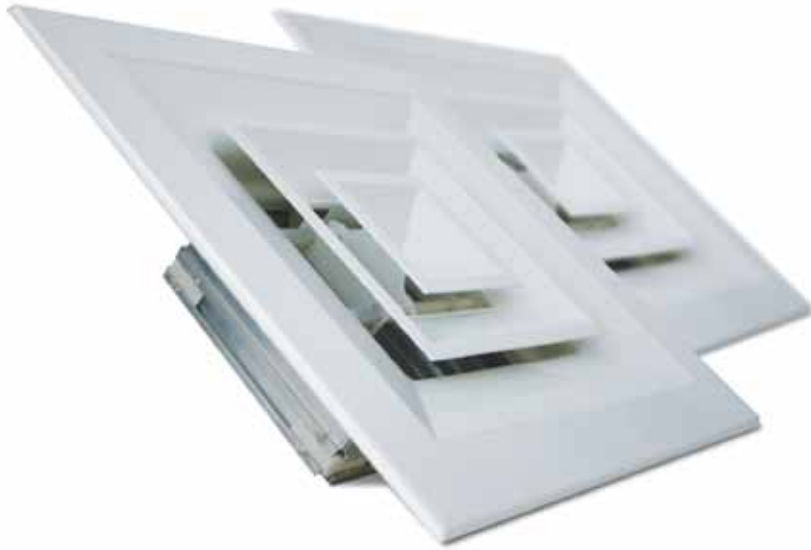


Intertek

### Linear Slot Diffusers ▲

Linear Slot Diffuser offers unique option for continuous linear application e.g. in ceiling of ball rooms and auditorium, in peripheral walls of office spaces etc. LSD is suitable for all commercial and industrial projects which demand single or multi-slot diffusers for ceilings, bulkheads or sidewall for supply and exhaust air systems. It is used in ceiling as horizontal diffuser or, in some cases, on vertical downward discharge. They are constructed from heavy gauged extruded Aluminium alloy profiles and painted to standard white powder coated finish.





## Ceiling Diffusers ▲

Ceiling Diffusers are suitable for modular ceiling systems, heating, ventilating and cooling applications. Ceiling diffusers are efficient in handling high air volumes at a relatively low noise levels to offer even disbursement of air. Multi-core diffusers are constructed from Extruded Aluminium profiles/sheets. Ideal for commercial projects for high quality diffusers, easily integrate with a variety of ceiling types. Varieties of air flow patterns are available to suit user's need. Available in a wide range of sizes in both square and rectangular shapes.



## ◀ Air Louvers

Air Louvers provide unusual architectural style and appeal to exterior and interior elevation for both Fresh Air Intake and Exhaust air systems. Frames and Blades are of extruded aluminium alloy with polyester powder coated in white color as standard or other colors on demand. An expanded bird/ insect screen can be attached at the rear side of the louver to prevent the entry of bird/insects.



## Egg Crate Grilles ▲

Egg Crate Grilles are used as Return and Exhaust air devices in domestic and industrial application. The large free area covered by these types of grilles is capable of transferring high air volume at minimum pressure loss and noise level. These are installed in domestic and a commercial area where re-circulation/ventilation of conditioned air is a priority.



## Door Grilles ▲

Door Grilles are fitted on doors and wall portions where sight/vision blockage is necessary. DG's are also known as Privacy Grilles or Non Vision Grilles. Their use allows the air to move and to evenly balance the existing various pressure levels between multiple treated spaces. It can be used as Transfer Air Grille (TAG) for wall and partition openings and its architectural finish is eye catching. Blades and frame are constructed from extruded aluminium alloy profiles and powder coated to standard white color.



## Gravity Shutters

Gravity Shutters are designed to prevent backflow and to equalize the pressure across the system. Each gravity shutter is carefully designed to equalize the pressure in areas like a compressor room, a fan room or an exhaust system with that of the atmosphere aided by gravity. These devices are employed at the end of an exhaust duct where it opens up when the exhaust fan is turned ON, closes down when the fan is turned OFF. The frames and blades are extruded aluminium alloy. Blades are selected according to type of application and size of shutter. Assembled products are electrostatic polyester powder coated to any architectural finish.



## ▶ Jet Diffusers

Jet diffusers are designed for handling large air volumes and long throw for buildings with high ceiling levels such as airport terminals, hotel receptions, shopping arcades, atriums, sports centers museum and department stores.



## ◀ Disc Valves

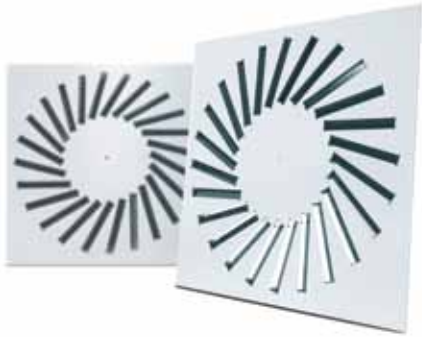
Disc Valves are aesthetically appealing terminal devices which combine best appearance with accurate control in exhaust air volumes. These are widely used as exhaust inlets in wash rooms and bath rooms. DVs are manufactured from high quality steel sheets and are powder coated to white color and other colors.



## ◀ Eyeball Diffusers

Eyeball diffusers provides architecturally preferred high end appearance , ideally suited for unique directional control of conditioned air within large spaces such as shopping malls, exhibition halls, sports arenas, atrium areas, manufacturing facilities and large office buildings. Suitable on side wall, ceiling, or duct installations.





### Swirl Diffusers ▲

Swirl diffusers are designed to produce a horizontal, radial air pattern with a turbulent, high induction jets and best suited for applications with high heating or cooling differentials.



### Security Grilles & Registers ▲

security grilles and registers are designed to provide maximum security and superior performance when used in HVAC applications which requires secured air outlets. Constructed from heavy gauge welded steel sheet and used in areas where maximum security is vital. These grilles can be used for both supply and return air applications.



### Sound Attenuators ▲

Sound Attenuators are professionally designed for broad band noise attenuation of fan/impeller noise propagated through all exhaust and supply air systems. Sound attenuators are very sensitive and used in absorbing transmission of high dB sound /noise. We offer our sound attenuators in various shapes and sizes to match the acoustic engineer's demand.



Intertek

### Bypass / Pressure Independent Variable Air Volume ▲

Bypass Variable Air Volume units are designed to maintain optimum occupant comfort by varying the amount of conditioned air from the air handler by bypassing the excess air into the ceiling plenum or back to the air handler through return air duct. Single duct pressure independent variable air volume units are designed for lower operating cost by using less fan and refrigeration energy. The primary function of the air terminal unit is to regulate the conditioned airflow into an occupied zone in response to a control signal. Conditioned air volume is precisely regulated according to demand. Units are available with a wide range of control packages to suit any application.



HVAC Accessories

### Round Attenuator ▲

Round Attenuators are designed for broad band noise attenuation of fan/impeller noise propagated through all exhaust and supply air systems. Round attenuators are very sensitive and used in absorbing transmission of high dB sound /noise.



HVAC Accessories

## Volume Control Damper ▲

EXCELAIR Volume Control Dampers are specially designed to be used in ventilation systems to control flow and pressure. Volume Control Dampers are available for rectangular and circular ducts.



HVAC Accessories

## Non Return Damper ▲

EXCEL Air Non Return Damper is primarily used as air operated opening or closing dampers for intakes, discharge and pressure relief vents in air condition systems.

## HVAC Accessories A better way to transfer air.

CMS provides a comprehensive range of customer-driven products and services in fabrication and supply of HVAC ducts and accessories. We have successfully maintained lead in HVAC field by keeping abreast with modern technology and latest expertise by possessing latest machines and engaging qualified professionals. Members of our dedicated staff are highly skilled and motivated and work round the clock in close-knit teams, producing a large volume of daily output.



HVAC Accessories

## Access door ▲

EXCEL Access Doors/Panels are used in air ducts to access Fire Dampers, Volume Control Dampers, Air Filters etc. for servicing. They are manufactured in GI, Mild Steel & Stainless Steel as per the standards and customized needs.



HVAC Accessories

## Rails and Vanes ▲

EXCEL turning tracks, vanes and rail system provide a self-aligning, easy means of securing HVAC turning vanes that direct airflow around mitered elbows in HVAC ducts.



## Fire Dampers ▲

Fire Dampers are fast acting positive barrier against the spread of fire through the duct work. Specially designed curtain type fire dampers are efficient, economical and simpler to install than single and multi section blade type fire dampers. In structures projecting high or special life hazards such as hospitals, educational institutions, hotels etc where danger to life is imminent, high quality & well engineered fire dampers are most valuable.

# GD1000

GRILLES & DIFFUSERS SERIES

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