

# COOLVENT Aircon

*Go green to breath clean*

## AIR DISTRIBUTION PRODUCTS





# About Us

**Coolvent Aircon**, situated in NOIDA (Delhi NCR) came into existence in year 2023 with an objective to manufacture & deliver the world class quality

**“Air Distribution Products”** Grillers, Diffusers, Louvers & Dampers for the use of HVAC industry.

We have started our business from the capital of India and by the trust and continuous support from our esteemed customer now are ready to serve in a large part of North India.

We are dedicated to provide you the best of HVAC products with focus on good quality and customer pre and post service.

## **OBJECTIVE & VISION**

We at coolvent aircon are committed to established a strong presence in the market for air distribution products within coming years, while our vision is to become a leading provider of high-quality and innovative air distribution solutions.

## **VALUES**

Best level of customer satisfaction and encouraging a culture of innovation and continuous improvement being environmentally responsible and promoting energy efficiency.

## **STRENGTH**

A well-trained and dedicated team of professionals with innovative and efficient product design.



# Grille

## Linear Fixed Blade Grille (G-LG0/G-LG15/G-LG30)

- ◆ Made from high grade extruded aluminium profiles.
- ◆ Used in supply / return application.
- ◆ Suitable for side wall or ceiling application.
- ◆ Blade thickness 5 mm in front, flange width & depth 16 mm.
- ◆ Available with 0, 15, or 30 deg. blade deflection.
- ◆ Fixing: concealed bracket fixing arrangement.
- ◆ Available size: 100 x 100 mm to 1800 x 600 mm.
- ◆ Accessories: opposed blade damper.
- ◆ Finish: off white standard, other colours on demand.



## Exhaust Air – High Flow Grille (G-EG0/EG15)

- ◆ Made from high grade extruded aluminium profiles.
- ◆ Used in Exhaust air application, blade pitch 18 mm.
- ◆ Blade thickness 5 mm in front, flange width & depth 16 mm.
- ◆ Available with 0 & 15 deg. blade deflection.
- ◆ Fixing: concealed bracket fixing arrangement.
- ◆ Available size: 100 x 100 mm to 1800 x 600 mm.
- ◆ Accessories: opposed blade damper.
- ◆ Finish: off white standard, other colours on demand.



## Double Deflection Adjustable Blade Grille (G-DDH2/G-DDV2)

- ◆ Made from high grade extruded aluminium profiles.
- ◆ Used in supply / return air application.
- ◆ Frame width 25 mm & depth 48 mm.
- ◆ Manual adjustable horizontal & vertical blade.
- ◆ Fixing: front screw fixing or concealed bracket fixing arrangement.
- ◆ Available size: 100 x 100 mm to 1200 x 1200 mm.
- ◆ Accessories: opposed blade damper.
- ◆ Finish: off white standard, other colours on demand.



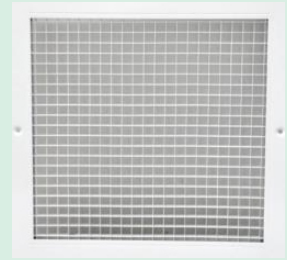
## Single Deflection Adjustable Blade Grille (G-SDH1/SDV1)

- ◆ Made from high grade extruded aluminium profiles.
- ◆ Used in supply / return air application.
- ◆ Frame width 25 mm & depth 33 mm.
- ◆ Manual adjustable horizontal / vertical blade.
- ◆ Fixing: front screw fixing or concealed bracket fixing arrangement.
- ◆ Available size: 100 x 100 mm to 1200 x 1200 mm.
- ◆ Accessories: opposed blade damper.
- ◆ Finish: off white standard, other colours on demand.



## Egg Crate Grille (G-ECG)

- ◆ Made from high grade extruded aluminium profile & sheet.
- ◆ Used in return air application.
- ◆ Core pitch 12.5 x 12.5 mm square, flange width 25 mm & depth 33 mm.
- ◆ Available size: 150 x 150 mm to 595 x 595 mm.
- ◆ Fixing: Front screw fixing as standard.
- ◆ Accessories: opposed blade damper.
- ◆ Finish: off white standard, other colours on demand.



# Diffusers

## Multicone Ceiling Square Diffuser (G-DF1)

- ◆ Made from high grade extruded profile frame & pressed aluminium sheet core.
- ◆ Used in supply & return air application.
- ◆ 4 way blow diffusion pattern standard.
- ◆ Removable core for damper adjustment, plenum access & easy installation.
- ◆ Available nominal neck size: 150x150, 225x225, 300x300, 375x375 & 450x450 mm.
- ◆ Accessories: opposed blade damper & plenum box with top / side entry spigot.
- ◆ Also available to suit for grid ceiling application with overall size 595x595 mm.
- ◆ Finish: off white standard, other colours on demand.



## Plaque Type Ceiling Diffuser (G-PD)

- ◆ Made from high grade extruded aluminium frame & sheet plate.
- ◆ Used in supply / return air application.
- ◆ Architectural 4 way blow diffusion pattern standard.
- ◆ Removable centre face plate for easy installation & damper adjustment.
- ◆ Available size: 150x150, 225x225, 300x300, 375x375 & 450x450 mm.
- ◆ Accessories: opposed blade damper & plenum box with top / side entry spigot.
- ◆ Finish: off white standard, other colours on demand.



## Swirl Type Fixed Blade Ceiling Diffuser (G-FBSD)

- ◆ Made from high quality pressed aluminium sheet.
- ◆ Used in supply / return air application.
- ◆ Produce horizontal radial air pattern with high induction fixed blade pattern.
- ◆ Fixing: duct collar / plenum box.
- ◆ Available size: 315 & 400 mm dia collar and 595 x 595 mm face size.
- ◆ Accessories: plenum box with top / side entry spigot, butterfly damper.
- ◆ Finish: off white standard, other colours on demand.



## Linear Slot Diffuser (G-LSD)

- ◆ Made from high grade extruded aluminium profiles.
- ◆ Used in supply / return air application.
- ◆ Suitable for ceiling fixing application.
- ◆ Adjustable vanes to change air direction, Slot width 25 mm standard.
- ◆ 90 deg. Metered corners in section length of 300 mm.
- ◆ Available size: 1 slot to 6 slot, Length 300 mm to 1800 mm.
- ◆ Fixing: concealed screw fixing through slot opening.
- ◆ Accessories: hit & miss damper, plenum box with top / side entry spigot.
- ◆ Finish: off white standard, other colours on demand.



## Hi-flow Jet Diffuser (G-JD/G-JDP)

- ◆ Made from high grade aluminium sheet.
- ◆ Used in supply air application.
- ◆ Used for high air flow & long throw for large areas.
- ◆ "Reversible & Rotatable" core design to produce long throw jet & short throw diffuser pattern.
- ◆ Fixing: screw or pop rivet fixing on round duct collar / square mounting plate.
- ◆ Available size: 250, 315, 380 & 400 mm dia.
- ◆ Accessories: butterfly damper, mounting plate.
- ◆ Finish: off white standard, other colours on demand.



## Circular Diffuser with Removable Core (G-CD)

- ◆ Made from high grade aluminium sheet.
- ◆ Used in supply air / return air application.
- ◆ Removable center core for damper adjustment, easy installation & cleaning.
- ◆ Fixing: screw fixing or pop rivet on round duct collar.
- ◆ Available size: 150, 200, 250, 300, 375, 400 & 450 mm dia.
- ◆ Accessories: butterfly damper.
- ◆ Finish: off white standard, other colours on demand.



## Spot Diffuser / Jet Nozzle (G-JND)

- ◆ Made from high grade aluminium sheet.
- ◆ Used in supply air for long throw in large areas.
- ◆ Adjustable nozzle in all direction.
- ◆ Fixing: screw fixing from flange on round duct collar.
- ◆ Available size: 100, 200, 300 & 400 mm dia.
- ◆ Accessories: butterfly damper.
- ◆ Finish: off white standard, other colours on demand.



## Jet Nozzle Eye ball type (G-JNEB)

- ◆ Made from high grade aluminium sheet.
- ◆ Aesthetically pleased nozzle used in supply air in large areas.
- ◆ High air volume, long throw, low noise level.
- ◆ Eye ball manual adjustable at 30 deg. in all direction.
- ◆ Fixing: concealed screw fixing with round duct collar.
- ◆ Available size: 200, 275, 315 & 400 mm dia.
- ◆ Accessories: butterfly damper.
- ◆ Finish: off white standard, other colours on demand.



## Drum Jet Diffuser / Drum Louver (G-DJD)

- ◆ Made from high grade extruded aluminium profiles.
- ◆ Used in supply air where long throw required.
- ◆ Rectangular design suitable for side wall or exposed ducting.
- ◆ Rotating drum for up & down air direction.
- ◆ Adjustable vanes left & right to provide directional air pattern.
- ◆ Fixing: front screw fixing.
- ◆ Available size: 8 standard sizes 906 to 2406 & 2010 to 3510.
- ◆ Accessories: opposed blade damper.
- ◆ Finish: off white standard, other colours on demand.



# Exhaust Disc Valve

## Supply / Return Air Disc Valve (G-EV)

- ◆ Made from quality steel / aluminium spinning sheets.
- ◆ Used in supply / exhaust air application.
- ◆ Adjustable centre disc to control air flow.
- ◆ Fixing: screw fixing with round duct collar.
- ◆ Accessories: mounting sub frame, extended sleeve, flexible duct.
- ◆ Available Size: 100, 125, 150 & 200 mm dia.
- ◆ Finish: off white standard, other colours on demand.



# Dampers

## Opposed Blade Collar Damper- Grilles/Diffusers (G-OBD)

- ◆ Made from high grade extruded aluminium profiles.
- ◆ Used with grille / diffuser to control air volume.
- ◆ Mounted on the neck of grilles / diffuser or on duct collar.
- ◆ Key operated from front face of grilles / diffusers.
- ◆ Fixing: S.S Clips or rivet fixing.
- ◆ Available size: 100 x 100 mm to 1000 x 500.
- ◆ Finish: black anodized or natural mill finish.
- ◆ Also available in mild steel / galvanized steel sheet construction.



## Butterfly Damper – Single Flap (G-BFD/S)

- ◆ Made from good quality galvanized steel / aluminium sheet.
- ◆ Used for round collar & duct for supply / return air volume control.
- ◆ Single Flap adjustable blade operated with manual handle & lever.
- ◆ Suitable for balancing & shut-off application.
- ◆ Fixing: both side flange for round collar or V-groove for flexible duct.
- ◆ Available size: 100 mm dia to 800 mm dia.
- ◆ Finish: natural steel finish.



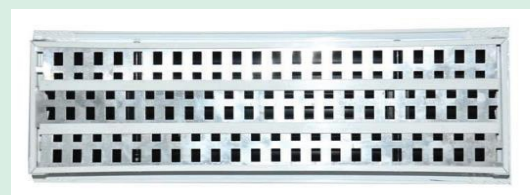
## Butterfly Damper- Two Flap (G-BFD/D)

- ◆ Made from good quality galvanized steel / aluminium sheet.
- ◆ Used with circular products to adjust airflow.
- ◆ Double Flap adjustable blade, operated manually with central screw.
- ◆ Fixing: screw / pop rivet fixing with circular products.
- ◆ Available size: 100 mm to 450 mm dia.
- ◆ Accessories: extended sleeve.
- ◆ Finish: natural steel finish.



## Hit & Miss Damper (G-HMD)

- ◆ Made from good quality galvanized steel / aluminium sheet.
- ◆ Used with continuous slot diffuser.
- ◆ Manually operated from face of slot diffuser.
- ◆ Fixing: screw or rivet fixing on slot diffuser collar.
- ◆ Available size: 2 slot to 6 slot.
- ◆ Finish: natural sheet finish.



## Volume Control Duct Damper (G-GIVCD)

- ◆ Made from good quality galvanized steel sheet.
- ◆ Used in duct to adjust air volume.
- ◆ Suitable for flanged connection within square / rectangular duct system.
- ◆ Self lubricating bushes assembly with fully enclosed linkages.
- ◆ 3V type multi-blade assembly, opposed blade type.
- ◆ Manual operated handle with locking quadrant or Motor operated.
- ◆ Fixing: flange to flange fixing with duct system.
- ◆ Accessories: Actuator & Control panel.
- ◆ Finish: natural sheet finish.



## Low Leakage Duct Damper (G-ALVCD)

- ◆ Made from high grade extruded aluminium profiles.
- ◆ Used in supply / extract air application.
- ◆ Opposed blade gear operated aerofoil blades.
- ◆ PVC bushes, PVC gear, linkages fully enclosed.
- ◆ Suitable for low leakage application.
- ◆ Fixing: flange to flange fixing with duct system.
- ◆ Accessories: Actuator & control panel.
- ◆ Finish: natural aluminium mill finish.



## Fire Damper / Fire & Smoke Damper (G-FD/FSD)

- ◆ Made from heavy duty 16 G galvanized steel sheet.
- ◆ Used in supply or return air for wall / duct installation.
- ◆ Self lubricating bushes, chrome plated spindles.
- ◆ Fully enclosed linkages mechanism with interlocking blade assembly.
- ◆ High tensile spring to hold blade assembly in "open" position.
- ◆ UL stamped fusible link operated at 74 deg. C.
- ◆ Spring return actuator with panel for motorized operation.
- ◆ Fixing: flange to flange fixing for duct or extended sleeve for wall fixing.
- ◆ Accessories: fusible link, spring return actuator, control panel, limit switch.
- ◆ Finish: natural sheet finish.



# Louvers

## Fresh Air / External Weather Louvers (G-FAL)

- ◆ Made from high grade extruded aluminium profiles.
- ◆ Used in intake (fresh air) or exhaust air application.
- ◆ Weather resistance & compact design.
- ◆ Horizontal blade assembly set an angle of 45 deg.
- ◆ Blades are inclined downwards to protect rain water.
- ◆ Aluminium bird screen to protect insect.
- ◆ Fixing: front Screw fixing.
- ◆ Accessories: wire mesh, opposed blade damper, filter frame.
- ◆ Finish: off white standard, other colours on demand.



## Gravity Louvers (G-GL)

- ◆ Made from good quality galvanized steel / aluminium sheet.
- ◆ Used in exhaust air application.
- ◆ Available with duct or wall mounting type installation.
- ◆ Heavy duty frame & light weight openable blade assembly.
- ◆ Fixing: front screw fixing
- ◆ Accessories: flange on both side.
- ◆ Available size: 150 x 150 mm to 1000 x 1000 mm.
- ◆ Finish: natural sheet finish (standard) or powder coating on request.



## Our Prestigious Project





**COOLVENT Aircon**  
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