

"GREENCON" ABS Grills - A Product by Degree Day



GREENCON

A Degree Day Product

Address: EW-58, SCHEME NO 94E, RING ROAD, INDORE (MP) INDIA - 452016 | www.degree-day.in | +91 93000 62903

Introduction

- 1 Company Profile
- 2 Product Range
- 3 Product Description
- 4 Why ABS !!
- 5 Product Range



"GREENCON" G Series - A Product by Degree Day



Company Profile

Address: EW-58, SCHEME NO 94E, RING ROAD, INDORE (MP) INDIA - 452016 | www.degree day.in | +91 93000 62903

About Us



We “Greencon” are an ISO 9001:2015 certified engineering company, which provides one stop solution in the field of HVAC by providing innovative product solutions from Central India.

The company was established in the year 2000 under the mentorship of Mr. C.M.Gupta (M.E.), who has more then 50 years of experience in the industry.

In a short span, company has achieved very good reputation for its commitment towards Quality, Technical know-how and customer satisfaction with almost 100% satisfied customers.

In our Product division we believe in offering world class Innovative products customised to suit Indian conditions and specialises in producing hybrid evaporative air cooling systems, electronically controlled ductable air coolers, factory fabricated ducts & air distribution products under the brand name “**GREENCON**”.

We strive for excellence and continue to innovate in the research and development for all our range of products as we believe in serving customers with worlds best technologies in most affordable price.

"GREENCON" G Series - A Product by Degree Day



PRODUCT RANGE

Address: EW-58, SCHEME NO 94E, RING ROAD, INDORE (MP) INDIA - 452016 | www.degree day.in | +91 93000 62903

PRODUCT RANGE



A SERIES



D & DX SERIES



E SERIES



M SERIES



F SERIES



PRE FAB DUCTS



G SERIES



"GREENCON" G Series - A Product by Degree Day



G Series - Product Description

Product



The Material

Our products are made from worlds best quality **ABS** raw material, which is widely used in production of high end products like Air Conditioners Indoor Units, Home Appliances, Medical devices, Auto Body parts, Electric Switchgear housings, Computer components, protective headgear and many more.

ABS (Acrylonitrile Butadiene Styrene) is a thermoplastic resin commonly used for injection moulding applications. The acrylonitrile in ABS provides chemical and thermal stability, while the butadiene adds toughness and strength. Styrene gives the finished product a nice, glossy finish.

ABS has high tensile strength and is very resistant to physical impacts and chemical corrosion, which allow the finished product to withstand heavy use and adverse environmental conditions. Since ABS is a thermoplastic material, it can be 100% recycled and do not harm mother earth. ABS which Lego is made from, is a safe plastic as under normal processing conditions, this product contains no toxic chemicals.

Product



The Material

Products made from ABS material has very good impact resistance, electrical and temperature resistance (long-term use temperature is generally more than 80 ° C heat), easy to process, easy to apply, high surface finish.

The grills made from ABS can be spray painted or electroplated to give required finish. Good properties such as long life, better aesthetics, no transit damage and light weight makes it as one of the finest choice for manufacturing the air terminal devices.

Product



The Process

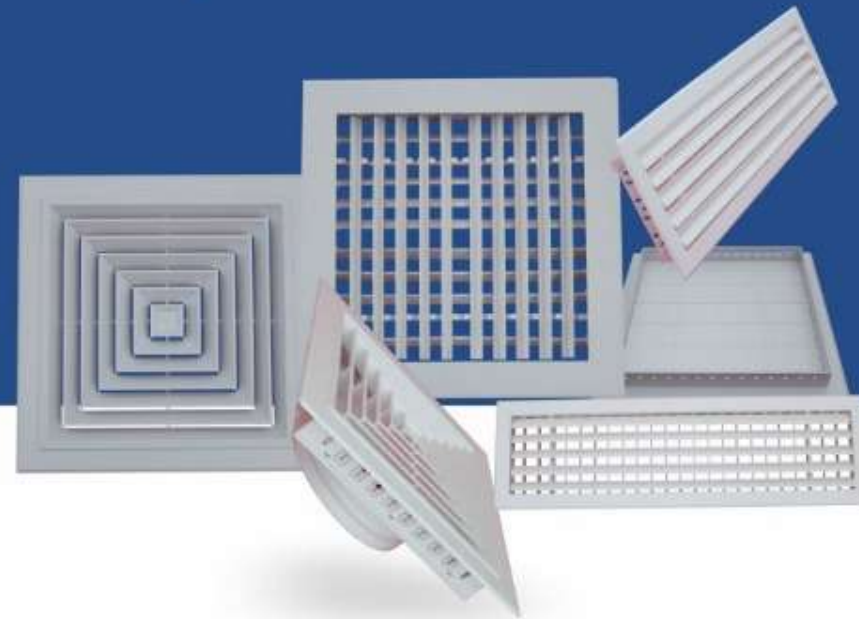
Conventional manufacturing process of the traditional grills includes: Aluminium drawing, anodising, blanking, punching, frame welding, loading screws, assembly of air guiding strips, powder coating and other processes; each process is manually completed by technicians, which can result in deficiency in: product quality, damage during transportation, colour mismatch, higher loads on false ceiling members, high production time, installation costs, and so on.

In order to solve the above concerns, our company has innovated, optimised the process, and broken the inherent cognition of the traditional manufacturing grill process. Through the integrated moulding technology, various components of the air terminal devices are mass-produced in the mould by our exclusive overseas partner, to achieve high quality world class innovative product. The sections are then cut & ultrasonically welded at our factory using microprocessor controlled machine to provide perfect customised products to match the site requirement and provide ultra fast deliveries.

Product Description

Perfect Delivery Always.

g-series



"GREENCON" G Series - A Product by Degree Day



"G" Series

The New Age "Air Terminal Devices"

Address: EW-58, SCHEME NO 94E, RING ROAD, INDORE (MP) INDIA - 452016 | www.degree day.in | +91 93000 62903

Product Range



G Series



Single Deflection Linear Grills (Horizontal / Vertical)

Single Deflection Slot Grills

Double Deflection Grills

One Piece Double Deflection Grills

One Piece Diffusers

Diffusers with Back Plate

Return Air Grills

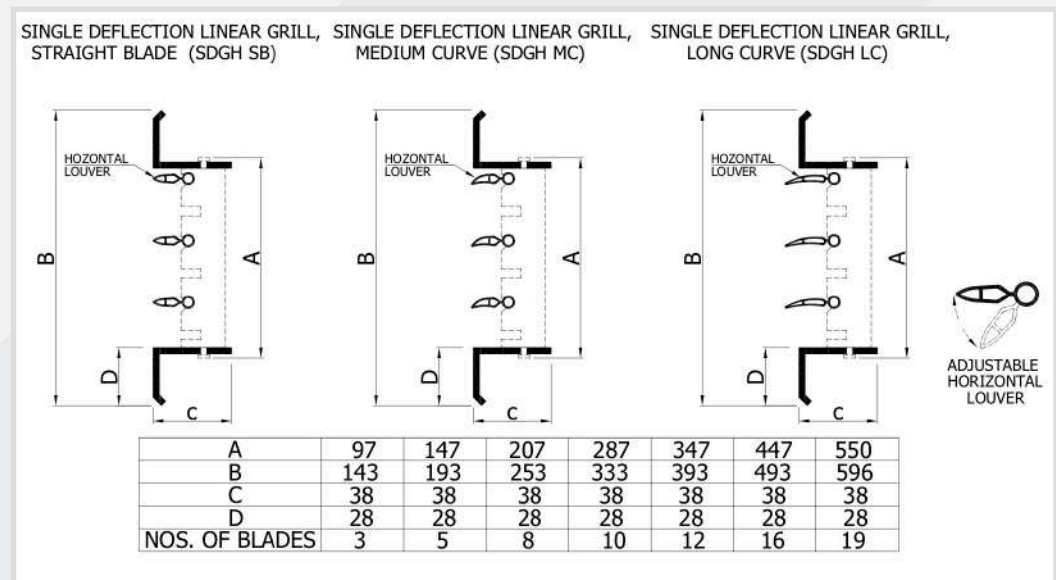
Trap Door

Metal - (GI Duct Damper, Terminal Boxes)

Single Deflection Horizontal Grill (SDG H)

Model SDG H - Single deflection grille incorporates a set of individually adjustable blades. The blades may be either horizontal (SDGH) or vertical (SDGV). Vertical vanes deflect the air stream in the horizontal plane while the horizontal vanes deflect the air stream in the vertical plane helping post installation commissioning needs.

Horizontal blades are offered in three choices of Straight Blade (SB), Mid Curve (MC) & Long Curve (LC) to suit aesthetic requirements.

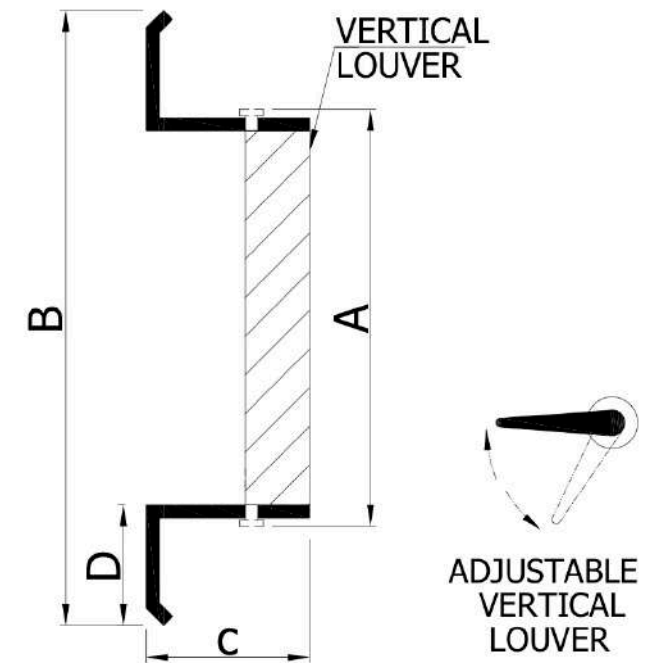


Single Deflection Vertical Grill (SDG V)



VERTICAL LOUVERED GRILL (SDGV)

A	B	C	D	NOS. OF BLADES
97	143	38	28	3
147	193	38	28	5
207	253	38	28	8
287	333	38	28	10
347	393	38	28	12
447	493	38	28	16
550	596	38	28	19



Single Deflection Slot Grill (SLT SB)



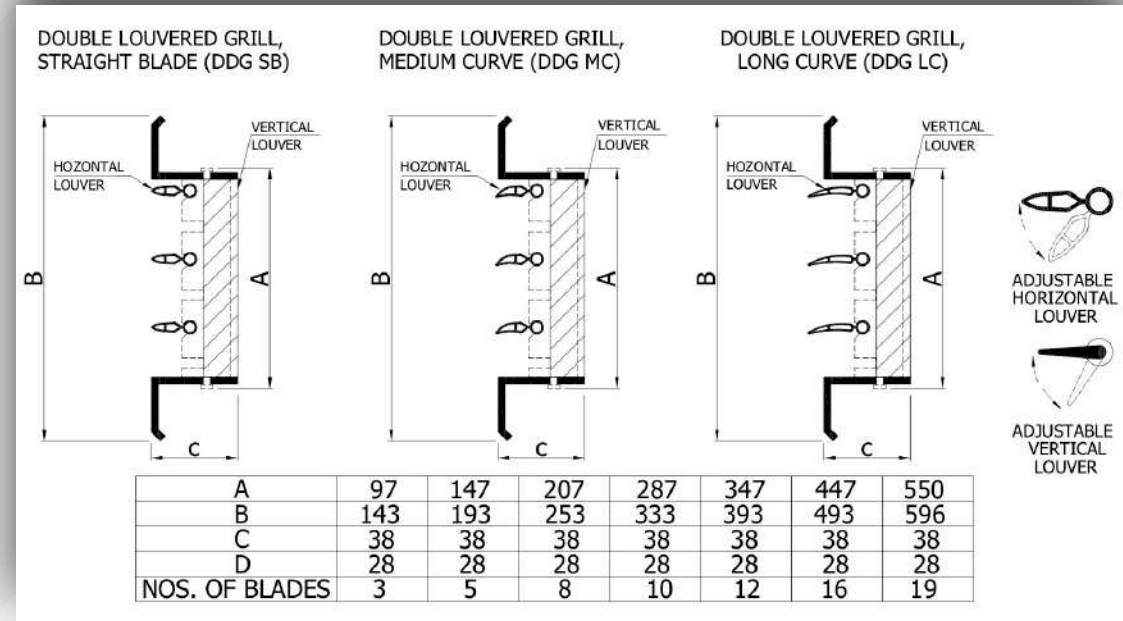
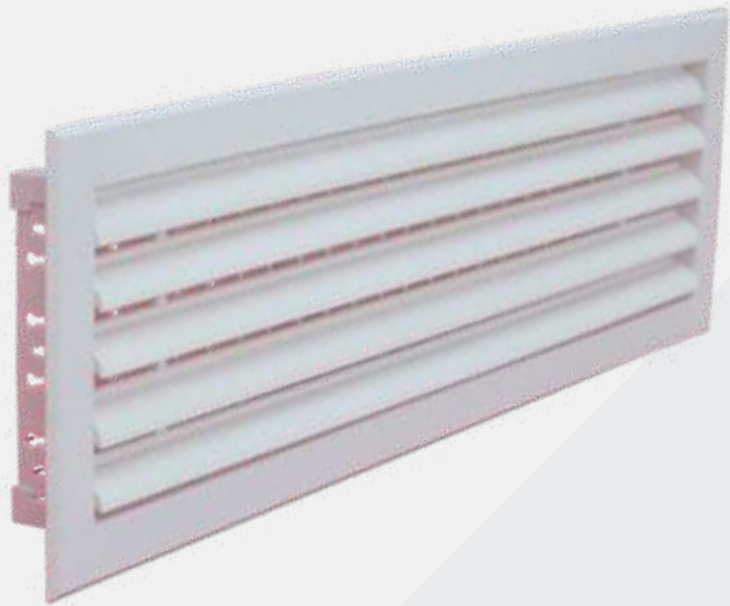
Slot Grills, provides great aesthetics as the flanges are made of 28mm broad ABS moulded frames, housing adjustable blades to achieve air flow pattern as desired by means of deflecting vanes in the slot. Our grills generate extremely low pressure drop in comparison to conventional slot grills as its pressure drop is even lesser than conventional linear grills providing excellent solution of better aesthetics & high energy efficiency. These grills can easily be used with conventional ductable or VRF/V indoor machines having low static pressures.



Double Deflection Grills (DDG)



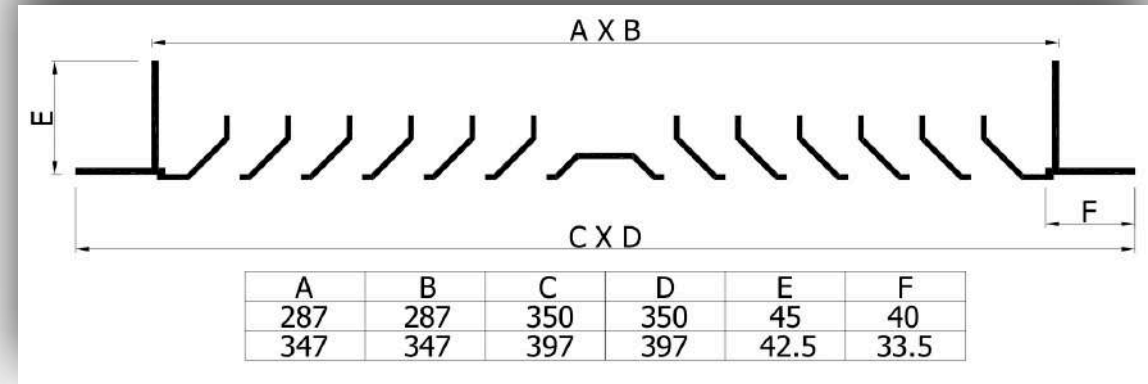
Model DDG - Double deflection grille incorporates two sets of individually adjustable blades. The front blades are horizontal while back blades are vertical. Horizontal blades are offered in three choices of Straight Blade (SB), Mid Curve (MC) & Long Curve (LC) to match site aesthetics.



Diffuser (RAD)

250*250/300*300/ 350*350/ 400*400/ 600*600

All diffusers are manufactured from high quality moulded ABS material. Inner cores are moulded in single piece and are easily detachable from outer frame allowing on site access above ceiling. In case if internal room layouts / air supply needs to be altered, the core can be substituted with double deflection grill blades to provide alternative air pattern whilst the outer frame remains unchanged.

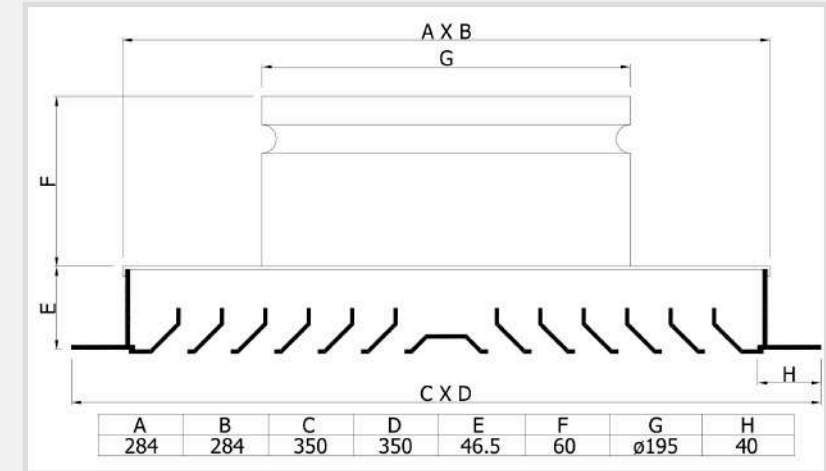


Diffuser with Back Plate (RAD BP)



250*250/300*300/ 350*350/ 400*400/ 600*600

Each diffuser can be fitted with a back plate to directly connect with flexible duct. This back plate provides a matching plenum box or pan adapter, with top circular entry of 200mm dia to connect with the main duct directly. This helps in fast installation and avoiding duct leakages from branch collars.

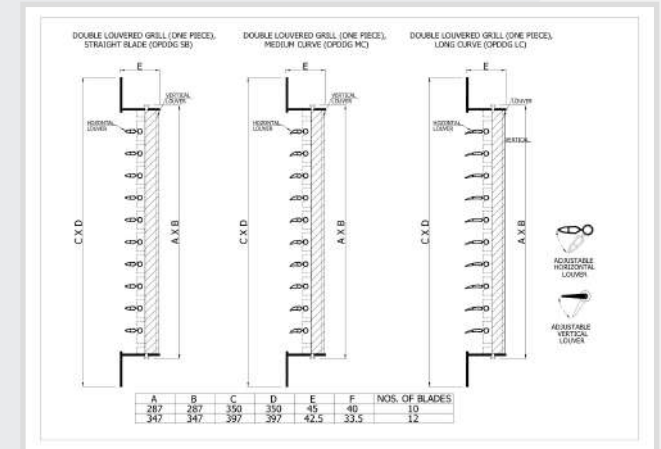
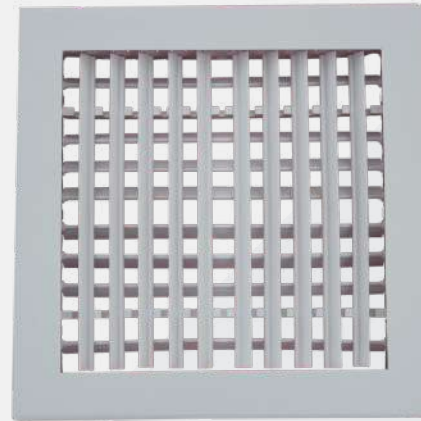


One Piece Deflection Grills (OP DDG)



250*250/300*300/ 350*350/ 400*400/ 600*600

One Piece double deflection grill has single moulded frame which can be used to interchange diffuser into double deflection grills or vice-versa. This grill can controls the airstream in both the horizontal and vertical planes by changing the blade angle.



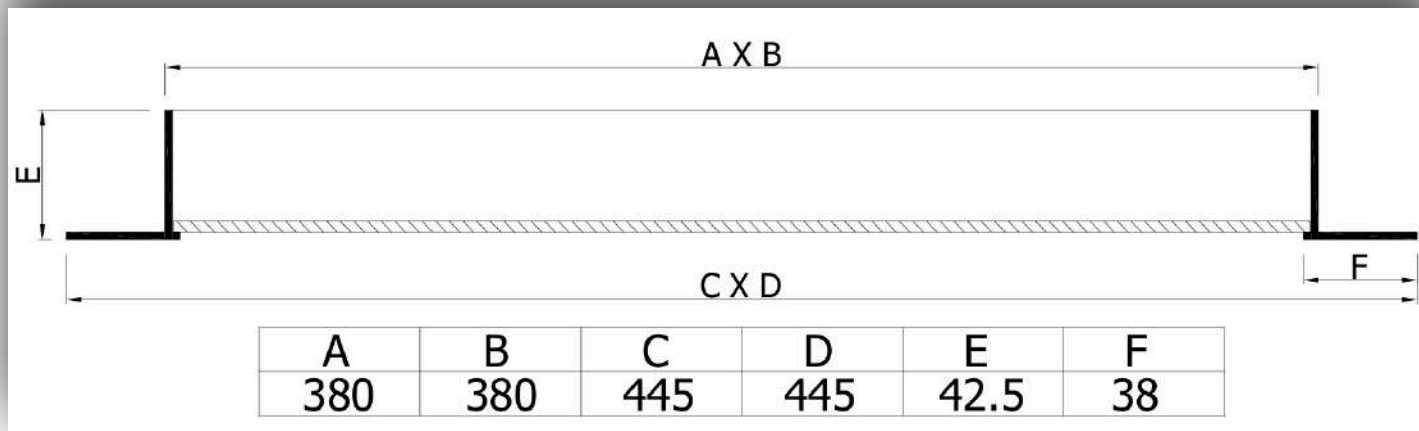
Trap Door (TRD)



250*250/300*300/ 350*350/ **400*400**/ 600*600

Often in MEP application access trap doors are required for servicing of valves, strainers, electric terminations, toilet fans, AC drains, etc. Greencon one piece trap doors thus finds many application to provide easy to use & clean access ports.

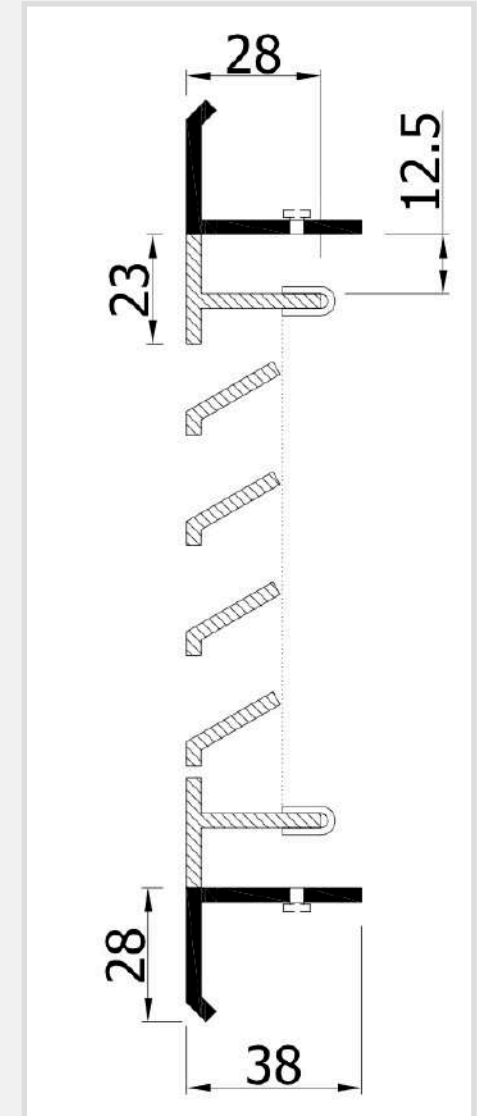
The utility Trap inspection Doors is moulded in one piece and hence there is no problem of damage, ageing, or discolouration when used. The installation is simple and the frame is moulded is very light weight for easy installation in ceiling. The appearance is similar to panel lights & core ABS panel sheet can also be replaced with matching false ceiling material.



Return Air Grill (RAG)



A Return Air Grill is an essential part of any HVAC System. A return air grill connects to ductwork / false ceiling that allows air to return to any cooling or heating system. Our return air grills are made using pre moulded sections cut to suit site requirements. The grill consists of outer frame and inner frame that are interconnected with hinges. The inner frame can be easily removed like a panel for providing maintenance access. The inner grill also has optional removable PVC mesh filter to reduce loading impact on the air conditioning unit with easy access. This also helps to avoid insects entry above the false ceiling & maintain hygiene.

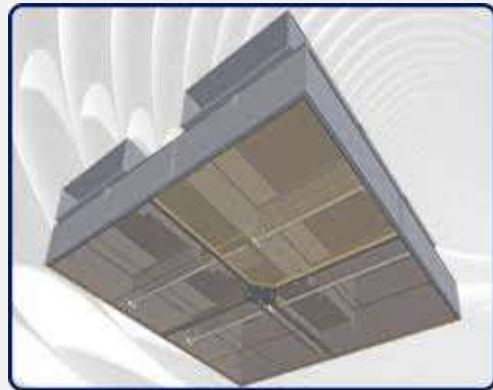


GI DUCT DAMPERS



Duct dampers are made using prime quality GI JSW/Tata 120 GSM sheets. All dampers are produced using CNC plasma cutting machine to provide perfect fit & finish and can be made in any size to suit site requirements.

HEPA Box



Terminal HEPA / LAF Boxes are used in clean rooms, laboratories, operating theatres, or other applications where critical control of room air movement is required with HEPA filtration. Our terminal boxes are made using CNC plasma cutting machines from CRC powder coated / stainless steel sheets carefully to form a robust construction with removable perforated grills for easy access and cleaning.

Terminal Boxes are available in polyester powder coated finish with side/top entry for both slab mounting / false ceiling mounting type with optional gear control volume control damper and filter integrity testing ports to ensure optimum utilisation of pressure drops of HEPA filtered air.



Thank You!!

2019
Welcome to experience the
change!!