Technical Catalogue



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AIR DISTRIBUTION PRODUCT - VOLUME CONTROL DAMPERS

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FACTORY FABRICATED G.I. VOLUME CONTROL DAMPERS

G.I. VOLUME CONTROL DAMPERS

APPLICATION

Suitable to control the air volume in ducts in air conditioning. Ventilation and heating systems. Ensures duct system air balancing and also suitable to use in Air handling units, where high air velocities and pressures are encountered.

MOUNTING

Mounting in the branches of air distribution ducts and mouth of the air handling units by means of bolt and nuts.

CONSTRUCTION DETAILS

Frames: High quality galvanized steel frame with standard flange size of 30mm having standard depth of 150mm or as per the client's requirement depth and flange sizes. Blades: High quality galvanized steel 'V' grooved blades having 150mm height or as per client requested height blades. Linkage Details: Standard 3mm thickx 20mm Electro Plated Linkages Spindles and bearings: Outer 0 14.5 mm/ Inner 0 9.3mm Electro plated EN-1A bush bearings and 09.2mm x63mm long electro plated spindle rods or brass bushes as per client's requests.



FACTORY FABRICATED G.I. VOLUME CONTROL DAMPERS

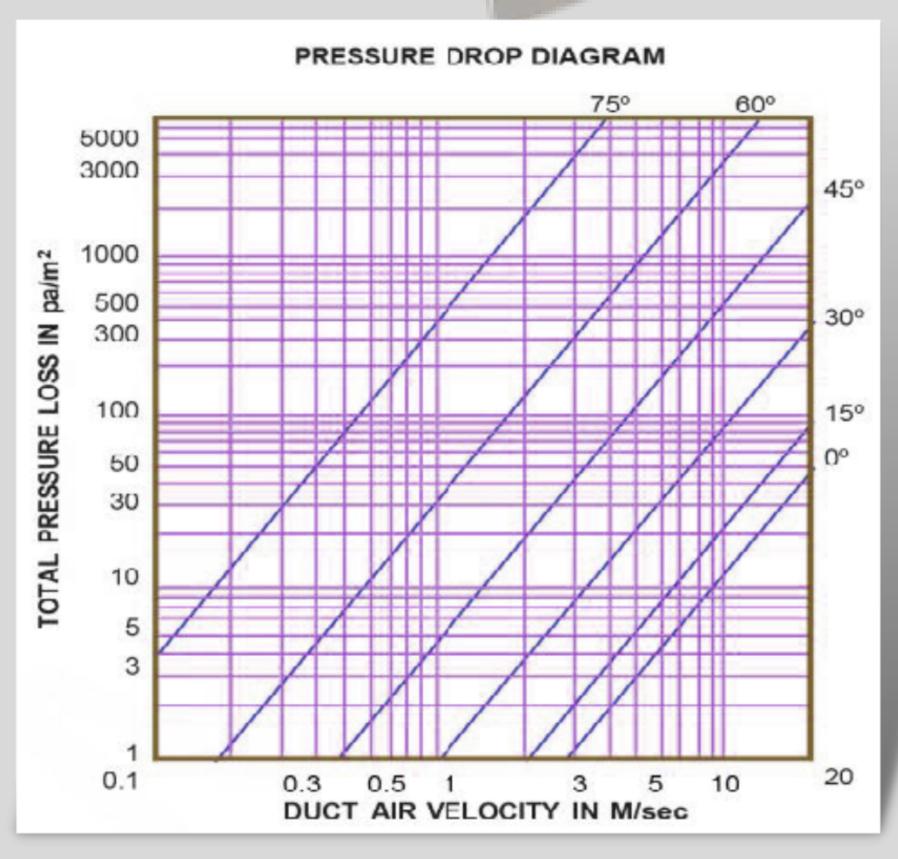
IMPLEMENTATION

Frame with flat frontal face and inner 'V' grooved multi blades assembly. Frames are welded and inner blades are connected to the frame by means of spindle rods and bushes. Bushes are available in brass/ bronze. All blades are connected by a suitable flat link arrangement with handle to operate the dampers in opposed blades type operation with status indicator lockable screws indicating open or closed position. Available in manual control or motorized control operations, as well as in standard or Non-Standard sizes also available. For motorized operation extended spindle rod will be provided to fix the motor. Actuators available with various torque capacities to meet the large size requirements.

Available Sizes

Available in minimum for 100x100 mm to maximum any standard or Non

Standard sizes.

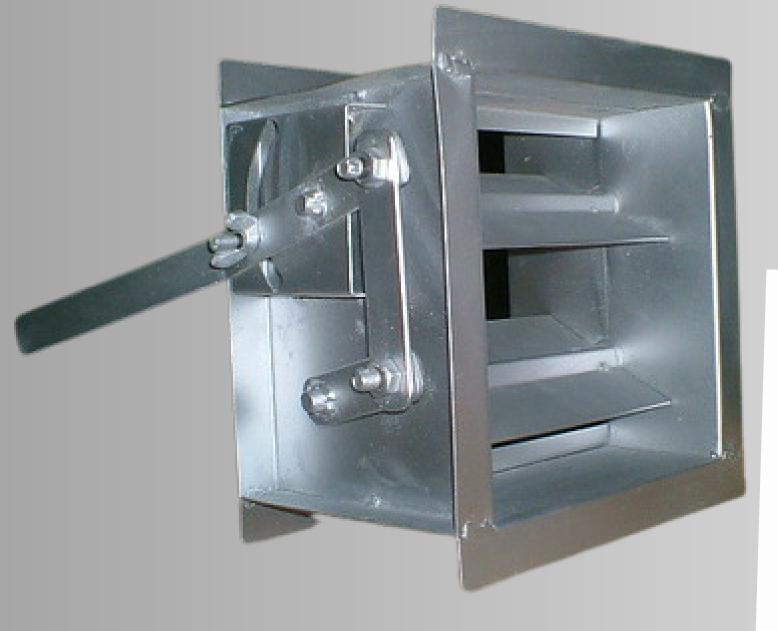




FACTORY FABRICATED G.I. VOLUME CONTROL DAMPERS

Standard Specification of the VCD'S

| G.I VCD Model | 16/16 | 16/18 | 18/18 | 18/20 |
|------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Outer casing | 165 WG (1.6mm thick) | 165 WG (1.6mm thick) | 185 WG (1.2mm thick) | 185 WG (1.2mm thick) |
| Inner Blade | 165 WG (1.6mm thick) | 185 WG (1.2mm thick) | 185 WG (1.2mm thick) | 185 WG (1.0mm thick) |







FACTORY FABRICATED ALUMINIUM VOLUME CONTROL DAMPERS

ALUMINIUM VOLUME CONTROL DAMPERS

APPLICATION

Suitable to control the air volume in ducts in air conditioning, ventilating and heating systems. Ensures duct systems air balancing and also suitable to use in air handling units, where high air velocities and pressure are encountered.

MOUNTING

Mounted in the branches or air distribution ducts and also in the mouth of the Air handling units by means of bolts and nuts.

IMPLEMENTATION

FFrames and blades both are high quality extruded aluminium sections. The frame with flat frontal face to suit for flanged connections with the ducts. Frames are fixed by screws and inner blades are aero foil type. Frames and blades are connected by means of nylon bushes and rods with gear for smooth operation in case of larger size AHU dampers, blades are connected by means of machined spindles, bushes with flat link arrangements, air volume adjusted by a lockable quadrant with status indicator, lockable screws indicating open or closed position. Available in manual control or motorized control operations, as well as in standard or non-standard sizes also available. For motorized operation extended spindle rod will be provided to fix the motor. Actuators available with various torque capacities to meet the larger sizes requirements.

STANDARD FINISHES

Available in Natural Aluminium anodised or in powder coated.



FACTORY FABRICATED ROUND VOLUME CONTROL DAMPERS

ROUND VOLUME CONTROL DAMPERS

APPLICATION

Suitable to control the airvolume in Air distribution ducts in Air conditioning, ventilating and Heating systems. Ensures duct systems air balancing.

MOUNTING

ounted in the branches of air distribution Round ducts by means of bolts or by hidden fixing systems.

IMPLEMENTATION

Frame and blade both are Galvanised steel sheet. Frame joints made by welding or by Ducting mulcut method. Two grooves are formed on both the ends for hidden fixing systems. Blade and frame connected by bushes and spindles. With the handle for manual operation Air volume adjusted by a lockable quadrant with status indicator, indicating open or closed position. For motorized operation extended spindle will be provided to fix the motor. Available with actuator or without actuators.

STANDARD FINISHES

Galvanised steel with Aluminium paints and available in high quality aluminium.





FACTORY FABRICATED PRESSURE RELIEF DAMPERS

PRESSURE RELIEF DAMPERS

APPLICATION

For low pressure relief applications from 5 to 75 pascals in air-conditioning, ventilating systems. Used for room pressure control or a basic non-return valves.

MOUNTING

Mounted on unit mouths and ducts or on the valves by using bolt and nut systems.

IMPLEMENTATION

Frames are constructed in galvanized steel and blades in galvanized and also in high grade aluminium sheets. Frames are either flanged for surface or in channel frame for sleeve. Blades are connected by means of screws or rods with the frame. Available in outwards airflow or in inwards airflow types.

STANDARD FINISHES

Galvanized steel finish or aluminium with or without powder coated.

PRESSURE RELIEF DAMPERS





FACTORY FABRICATED BACK DRAUGHT DAMPERS

BACK DRAUGHT DAMPERS

APPLICATION

For pressure relief applications upto airvelocities of 10 m/sec in airconditioning, ventilating systems. Used for room to room pressure control or a basic non-return valves.

MOUNTING

Mounted on unit mouths and ducts oron the valves by using bolt and nut systems.

IMPLEMENTATION

Frames are constructed in galvanized steel and blades in galvanized and also in high grade aluminium sheets. Frames are either flanged for surface or in channel frame for sleeve. Blades are connected by means of screws or rods and bushes with the frame. All the blades are connected by a proper link arrangements to avoid noise. Available in outwards airow or in inwards airflow types.

STANDARD FINISHES

Galvanized steel finish or aluminium with or without powder coated.

BACK DRAUGHT DAMPERS





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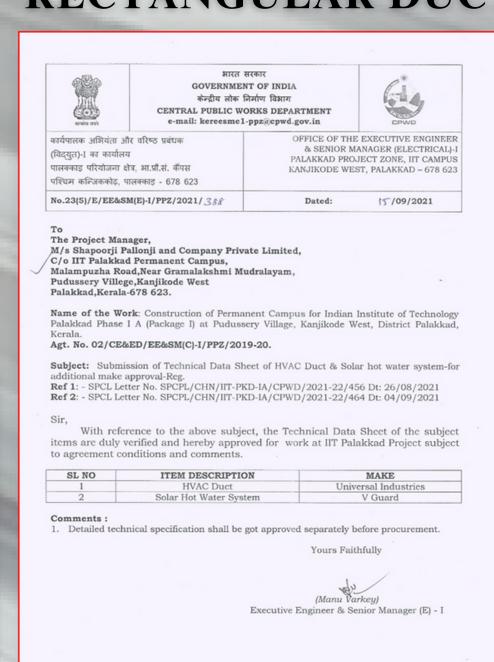


South Asia ISO 9001 : 2015 Certificate No. 99 100 22850

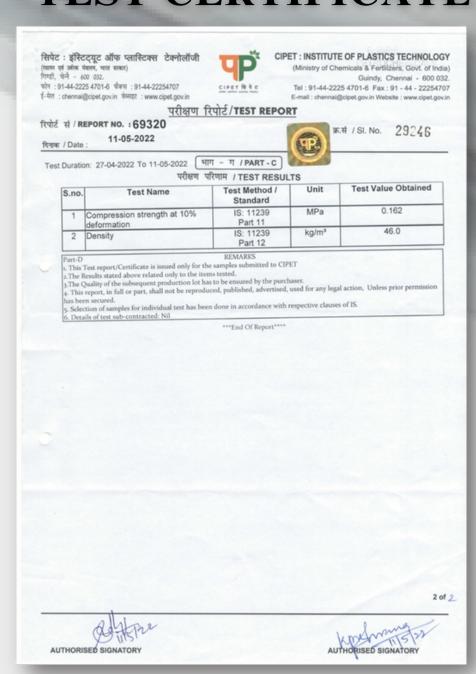
ISO 9001: 2015

CERTIFICATE The Certification Body of TÜV SÜD South Asia Private Limited certifies that Cut Universal Industries DP-58, 1st Main Road, SIDCO Industrial Estate, Kattur, Thirumulialvoyal, Chennal - 600062, Tamili Nadu, India has implemented Quality Management System in accordance with ISO 9001:2015 for the scope of Manufacture and Supply of HVAC Ducts, Grilles & Diffusers, Pre Insulated Pipes & Accessories The certificate is valid from 2022-12-12 until 2025-12-11 Subject to successful completion of annual periodic audits The present date of the scottands from control the certificate of the scottand for certificate of the scottand for control the certificate of the scottand for t

CPWD APPROVED RECTANGULAR DUCT



CIPET TEST CERTIFICATE



For Enquires Contact:

www.universalac.in

E-Mail: sales@universalac.in

factory@universalac.in

Chennai: 93840 59697

Hyderabad: 98403 98484

Bangalore: 98410 16272

Cochin: 73056 91444

Factory: DP-58, 1st Main Road, Sidco Industrial Estate, Kattur,
Thirumullaivoyal, Chennai - 600 062