



PRE-INSULATED VOLUME CONTROL DAMPER

PRE-INSULATED VOLUME CONTROL DAMPERS RECTANGULAR

Introduction

Metal Tech Pre-insulated Volume Control Dampers are designed to control Air Flow inside Pre insulated Duct works of all pressure class to help to maintain the desired flow of air in HVAC System.

Our Pre-insulated Volume Control Dampers are Factory Tested for its Performance and Integrity.

Description

Damper body constructed from Pre Insulated Sandwich Panels with Aluminum embossed both sides of 80/80 Microns. Galvanised double skin Roll Formed Profiles are used for Blades. As per the requirements damper blades can be adjusted and locked to open/close intermediate position by rotating the Hand Locking GI Quadrant with locking Pin. Quadrant frames have measuring scale to understand exact position of the damper blade. Multiple regulating aerofoil blades coupled with high quality nylon gears to provide opposed blade open/close operation. The product is recommended for all type of pressure classification.

Construction Details

Body : 20mm Pre-Insulated Sandwich Panels with both side embossed with 80/80 Microns Aluminum Stucco Sheets.

Blades: Galvanised Double Skin Aerofoil Blades

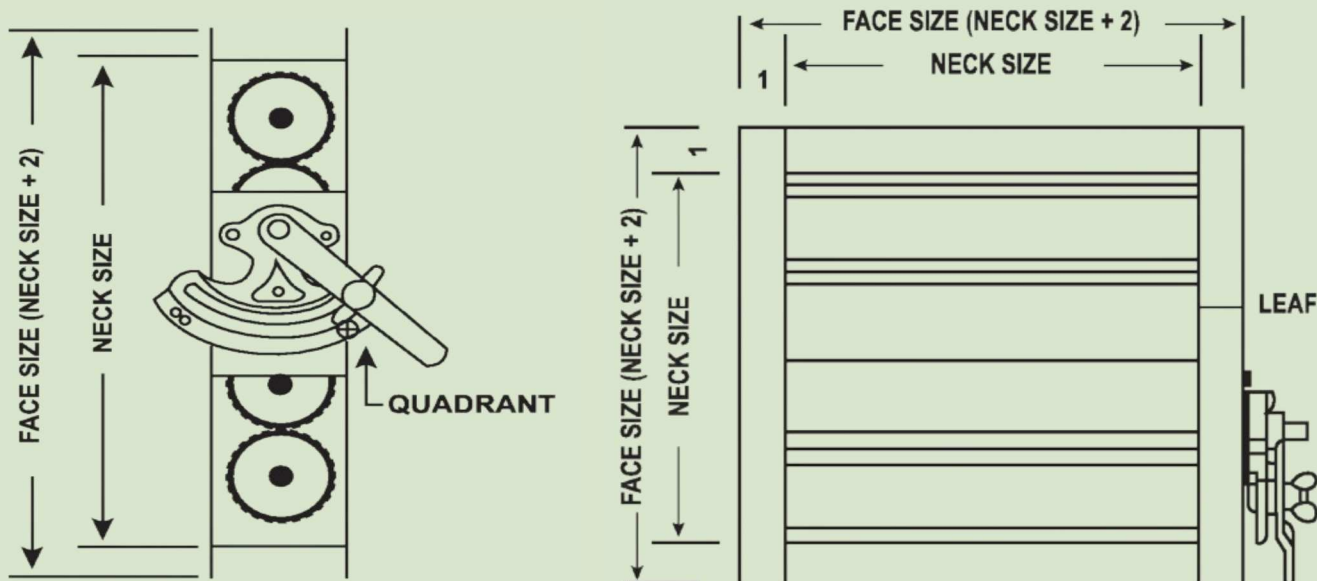
Gears and Spindle : High Quality Nylon

Quadrant : Galvanised Sheet Metal Quadrant with hand Locking Mechanism and Blade position Indicator.

Our Speciality : Both sides of our dampers are additionally provided with GI sheet metal for smooth movement of Blades and proper positioning of bushes and blade shafts.

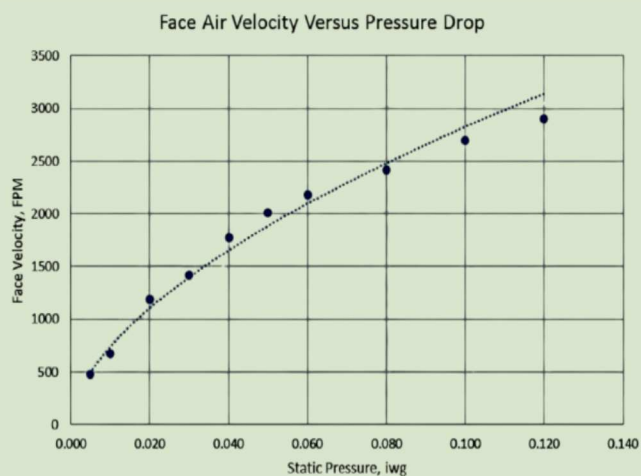


DIMENSIONAL DRAWING



In Line Operation Performance characteristics diagram for Pre-insulated Volume Control Dampers Model MT-PIR-VCD

PRESSURE DROP ACROSS LOUVER		AIR VELOCITY (FACE*)	
IN. H ₂ O	PA	FPM	M/S
0.005	1	479	2.43
0.010	2	675	3.43
0.020	5	1187	6.03
0.030	7	1423	7.23
0.040	10	1773	9.01
0.050	12	2010	10.21
0.060	15	2184	11.09
0.080	20	2415	12.27
0.100	25	2699	13.71
0.120	30	2900	14.73



PRODUCTION ORDER FORMAT : MODEL -WIDTH
(MM)X HEIGHT(MM)-QTY (NOS)



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OUR ACTIVITIES

HVAC DUCT MANUFACTURING

HVAC DUCT INSTALLATION

HVAC AIRCONTROL ACCESSORIES

ALUMINUM CLADDING

ACOUSTIC /THERMAL INSULATION

FIRE RATED DUCTS

STAINLESS STEEL DUCTS