



VOLUME CONTROL DAMPERS

METAL TECH INDUSTRIES WLL

Bldg 970,Block 952,Road 5218, Ras Zuwayed
Post Box 10995, Kingdom of Bahrain
TEL: 77315555, FX:77314444,
Cell: 39646453, 32346666, 38766940,39998423
sales@metaltechbahrain.com
www.metaltechbahrain.com

HVAC DUCT MANUFACTURING

HVAC DUCT INSTALLATION

HVAC AIRCONTROL ACCESSORIES

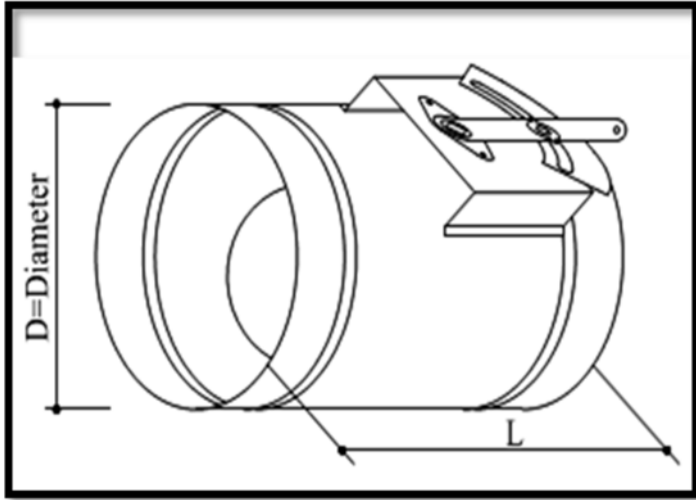
ALUMINUM CLADDING

ACOUSTIC /THERMAL INSULATION

FIRE RATED DUCTS

STAINLESS STEEL DUCTS

VOLUME CONTROL DAMPER- CIRCULAR. MODEL-MTI-VCD-R.



Description

Damper Body is constructed from galvanized steel sheet.

Joints are welded in construction and protected with Zinc rich aluminium paint.

As per the requirements damper blades can be adjusted and locked to open/close/intermediate position by rotating the hand locking GI Quadrant coupled with bearing shaft on which the blade is mounted.

Hand locking quadrant frame is provided with a mentoring scale to understand exact position of the damper blade.

Recommended for all type of Low and Medium pressure HVAC system.

Construction Details.

Body: 1mm thick Galvanized sheet.

Bearing shaft: 10 mm Galvanized rod.

Bush: High quality nylon/ bras bush.

Quadrant: Galvanized sheet metal quadrant with hand locking mechanism and blade position indicator.

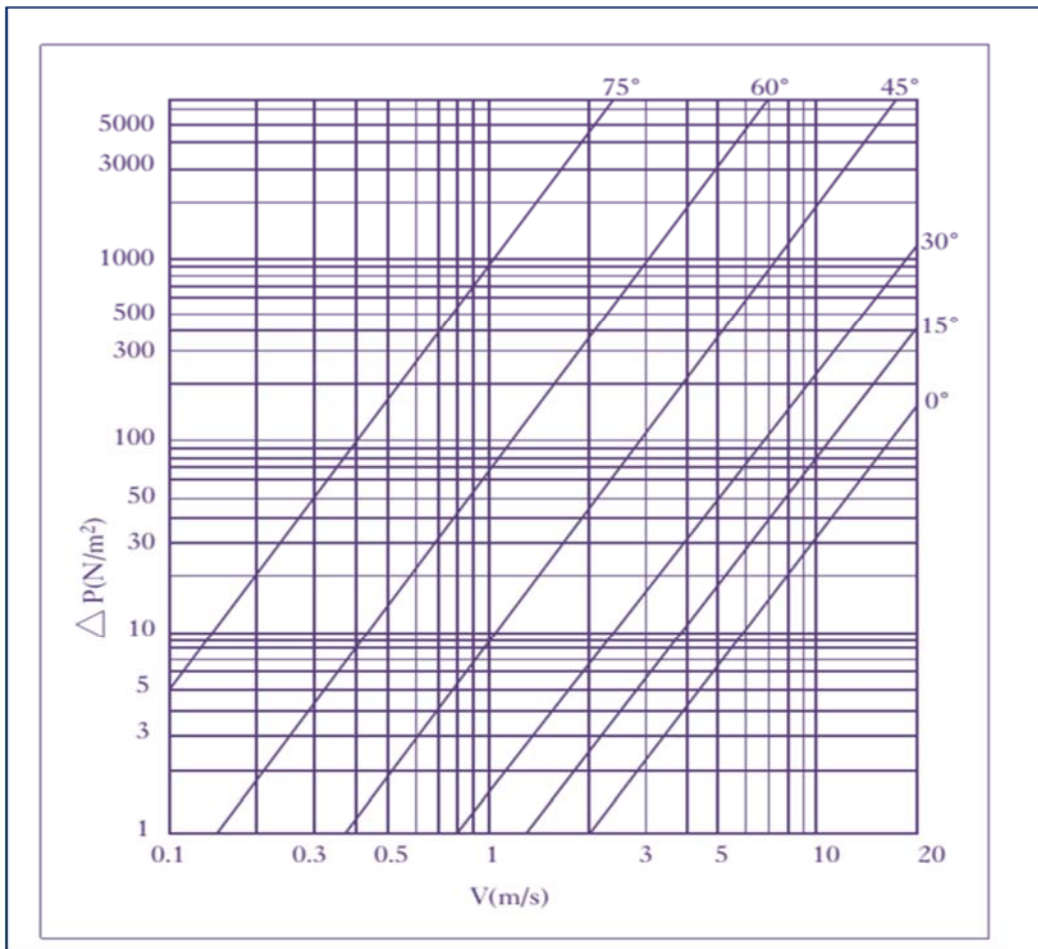
The dampers are also available in Stainless steel construction on request.

Standard Sizes in Diameter.

100mm	150mm	200mm	250mm	300mm	350mm
400mm	450mm				

Non-standard sizes are also available on special request.

Inline operation performance characteristics diagram for Model-MTI-VCD-R.



ΔP : Pressure drop in Newton/Meter²

V : Air flow rate (Velocity) Meter/second

VOLUME CONTROL DAMPER- RECTANGULAR. MODEL MTI VCD SQ

Description.

Damper Body is constructed from galvanized steel sheet.

Joints are welded in construction and protected with Zinc rich aluminium paint.

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 mentoring scale to understand exact position of the damper blade.

Multiple regulating aerofoil blades are coupled with high quality nylon gears to provide opposed blade open/ close operation.

The product is recommended for all type of Low and Medium pressure HVAC system.

Construction Details.

Body. 1mm thick Galvanized sheet.

Blades. Extruded aluminium aerofoil blades/Roll Formed Galvanised blades

Gears and Spindle. High quality nylon.

Quadrant. Galvanized sheet metal quadrant with hand locking mechanism and blade position indicator.

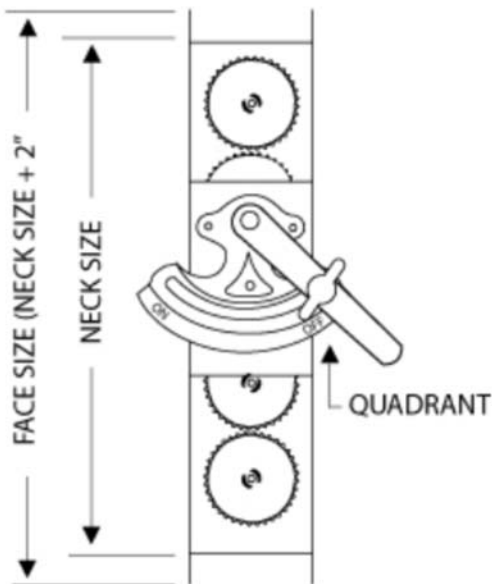
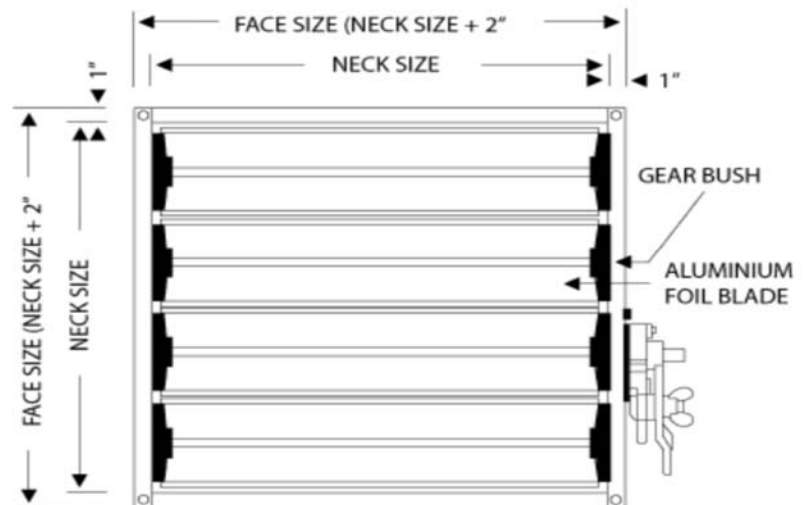


DIAGRAM:



VOLUME CONTROL DAMPER- RECTANGULAR. MODEL MTI VCD SQSS

Description.

Damper Body is constructed from 1mm 304GR Stainless Steel Sheet
Joints are Lazer welded construction. As per the requirements SS damper blades can be adjusted and locked to open/close/intermediate position by rotating the Hand locking SS quadrant with locking pin. Quadrant frames have mentoring scale to understand exact position of the damper blade.

Multiple regulating aerofoil blades are coupled with high quality Brass Bushes to provide opposed blade open/ close operation.

The product is recommended for all type of Low and Medium pressure HVAC system.

Construction Details.

Body. 1mm thick SS 304 GR Stainless Steel

Blades. Roll formed Stainless Steel blades of thickness

Bush and Spindle. High quality Brass Bushes

Quadrant. Stainless Steel metal quadrant with hand locking mechanism and blade position indicator.

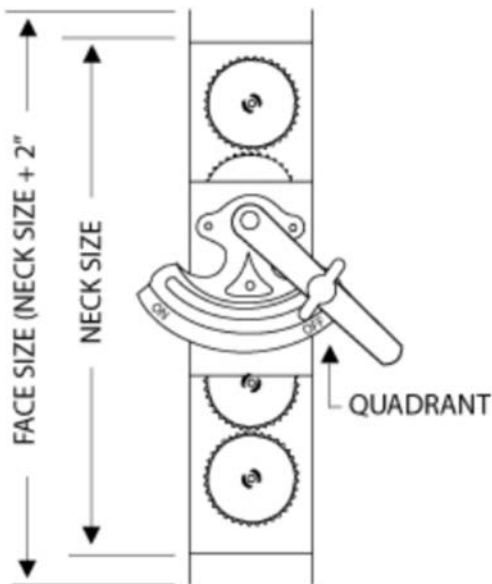
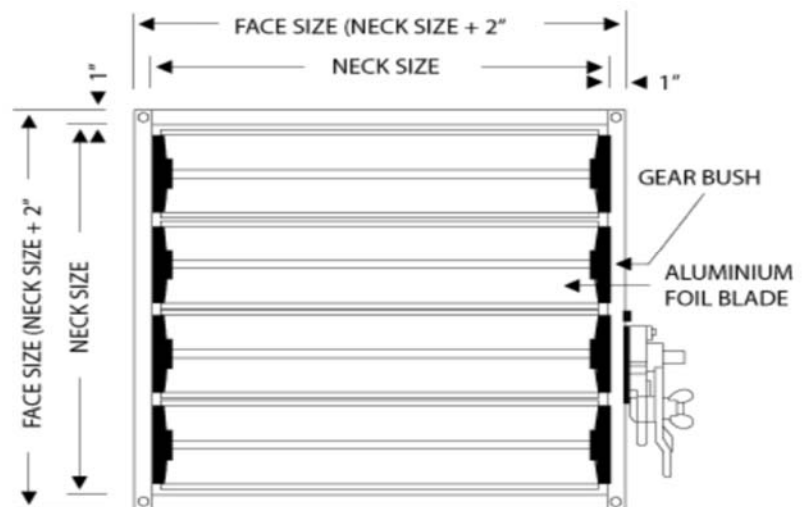
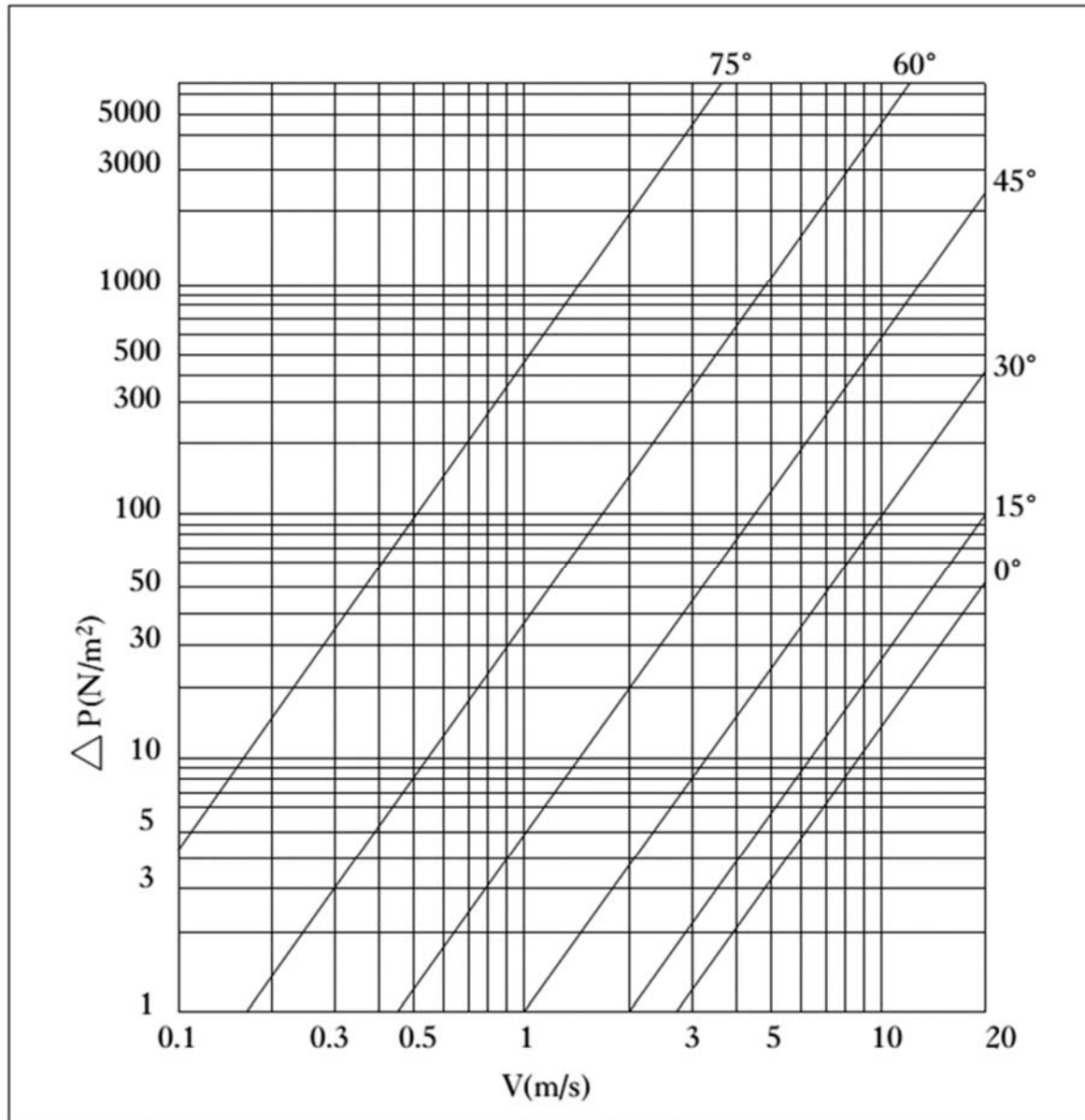


DIAGRAM:



Inline operation performance characteristics diagram for Model-MTI-VCD-SQ.



ΔP : Pressure drop in Newton/Meter²

V: Air flow rate (Velocity) Meter/second.