Volume Control / Modulating Damper

Model no : PVD, EVD, MVD

BARAMINTEC volume control dampers are
used to balance airflow rates in high pressure ductwork.
High quality engineering delivers long-life reliability with the BARAMINTEC
volume control / modulating damper.

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BARAMINTEC volume control dampers are used to balance airflow rates in high pressure ductwork. dampers meet international standards for rectangularand round ducts. In the open position, the blades face the direction of flow and do not cause a significant pressure loss. The volume control dampers is used as a balancing damper in applications where reliability is important.
The volume control dampers can be offered with powered actuators for modulating control with either electric or pneumatic position actuators that can be connected at the control system for closed loop control.

Technical Information

Minimum Size	100W x 100H x 200~300D mm
Maximum Size	2800W x 2800H x 200~300D mm

Materials of Construction

Casing and Flanges	**Materials**	Carbon Steel Galvanized steel Stainless Steel 304/316L
	Thickness	Minimum 3.0 mm Thickness's following SOLAS (3.0-5.0 mm) Fully welded Flange drilling detail to ISO 15138 standard. Custom flanges as option
Blades	**Materials**	Galvanized steel Stainless Steel 304L/316L
	Thickness	Minimum 1.5 mm double skin Plug welded to solid shafts
	Shafts	Ø12.7 or 19mm continuous solid shaft in Stainless Steel 304/316L
	Bearings	Oil impregnated sintered bronze. Low temperature -55°C and low leakage bearing assembly option available
	Linkage	Stainless Steel 304/316L 3~6.0 mm thick link bars arranged to provide opposed blade motion

Mechanical Options

The following options can be incorporated if required.
- Increased flange thickness
- Transitions : various options for fitting into circular ductwork
- Earth bosses

Control Options

BARAMINTEC dampers can be operated manually or with electric or pneumatic actuators. The pneumatic and electric controls will be selected based on your exacting requirements.
Dampers can be designed to close, open, or stay put on loss of power when fitted with an electric or pneumatic actuator.
The actuator will be selected following your technical needs :
- Electric or pneumatic actuation system
- ATEX Zone 1, 21 (II 2GD) and 2, 22 (II 3GD)or non hazardous area, IECEX
- Design Temperature (from -60°C to + 70°C)
- IP level