Gas Tight Shut -Off Damper

Model no : PSD, ESD, MSD

High quality engineering delivers long-life reliability with
the BARAMINTEC gas tight shut-off damper.
with the option for Class 3 closed blade leakage to EN1751.

Gas Tight Shut-Off Damper

BARAMINTEC gas tight shut-off dampers are used to shut-off and balance airflow rates in high pressure ductworks.
dampers meet international standards for rectangular and round ducts. In the open position, the blades face the direction of flow and do not cause a significant pressure loss. The gas tight shut-off dampers is used as a shut-off, gas and balancing damper in applications where tightness and reliability are important.
airflow can be in either direction and installed in anyorientation with either manual, electrical or pneumatic. actuation.

Technical Information

Minimum Size	100W x 100H x 200~300D mm
Maximum Size	2800W x 2800H x 200~300D mm
Leakage	Closed blade leakage to Class 3 EN1751 Case leakage to Class B EN1751

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 2 mm double skin Plug welded to solid shafts
	Shafts	Ø19 mm continuous solid shaft in Stainless Steel 304/316L
	Bearings	Oil impregnated sintered bronze. Low temperature -55°C and low leakage bearing assembly option available
	Side Seals	Stainless Steel 316L 0.25mm
	Linkage	Stainless Steel 304/316L 3~6.0 mm thick link bars arranged to provide opposed blade motion
	Blade Gasket	Fire retardant silicon

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