

Water Tight Damper

Model no : PWD, EWD, MWD

Water tight damper shuts off water which can flow through the duct of the scuttled vessel for the protection of lives and equipment. High quality engineering delivers long-life reliability with the BARAMINTEC water tight damper.



Water Tight Damper

Water tight damper is installed on water tight bulkhead and deck. The damper shuts off water which can flow through the duct of the scuttled vessel for the protection of lives and equipment. airflow can be in either direction and installed in any orientation with either manual, electrical or pneumatic actuation.

Technical Information

Minimum Size	150W x 150H x 300~400D mm
Maximum Size	800W x 800H x 300~400D mm
Pressure test	A hydraulic completed with pressure gauge was used to increase the pressure in the damper. damper successfully maintained water tight integrity up to 0.5~1 barg.

Materials of Construction

Casing and Flanges	Materials	Stainless Steel 304/316L
	Thickness	Minimum 4.0 mm Fully welded Flange drilling detail to ISO 15138 standard. Custom flanges as option
Blades	Materials	Stainless Steel 304L/316L
	Thickness	Minimum 3 mm Single 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
	Linkage	Stainless Steel 304/316L 6.0 mm thick link bars arranged to provide opposed blade motion
	Blade Gasket	Neoprene

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
- Requested closing time (1, 2 or 3 seconds closing time or longer)
- 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