

# Pressure Relief Damper

Model no : PRD

BARAMINTEC pressure relief dampers are used in offshore and marine applications to prevent backflow through ventilation ductwork system. High quality engineering delivers long-life reliability with the BARAMINTEC pressure relief damper.



## Pressure Relief Damper

BARAMINTEC pressure relief dampers are used in offshore and marine applications to prevent backflow through ventilation ductwork system. The pressure relief dampers do not need an actuator or motor. pressure relief dampers can be installed in rectangular or circular ducts, horizontally or vertically. If required, they can easily be set by adjusting the weight of each damper/installation. When the blades are in the open position, the device does not cause significant pressure loss, noise or flow disturbance.

## Technical Information

<b>Minimum Size</b>	100W x 100H x 200~300D mm
<b>Maximum Size</b>	2800W x 2800H x 200~300D mm

## Materials of Construction

<b>Casing and Flanges</b>	<b>Materials</b>	Carbon Steel Galvanized steel Stainless Steel 304/316L
	<b>Thickness</b>	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.
<b>Blades</b>	<b>Materials</b>	Galvanized steel Stainless Steel 304L/316L
	<b>Thickness</b>	Minimum 1.2 mm Plug welded to solid shafts
	<b>Shafts</b>	Ø13 mm continuous solid shaft in Stainless Steel 304/316L
	<b>Bearings</b>	Oil impregnated sintered bronze. Low temperature - 55°C and low leakage bearing assembly option available
	<b>Linkage</b>	Stainless Steel 304/316L 3mm 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

Spring or Weight kits are available between 50-300 Pa for the PRD. These are simple mechanisms that have no closed loop control.