

Non-Return Damper

Model no : NRD

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



Non-Return Damper

BARAMINTEC non-return dampers are used in offshore and marine applications to prevent backflow through ventilation ductwork system. The non-return dampers do not need an actuator or motor. non-return 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

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 1.2 mm Plug welded to solid shafts
	Shafts	Ø13 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 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 NRD. These are simple mechanisms that have no closed loop control.