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MULTI ROLE VALVE

MR1 / MR2 / MR3 / MRM

1

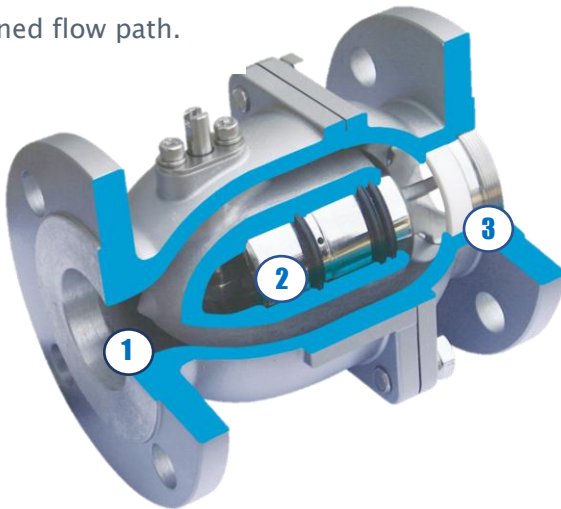
Linear flow

Reduced turbulence through the valve body as a result of the streamlined flow path.

2

Fast Response

Integrated Pneumatic Actuator and Disc, for fast and reliable stroking over extended service life.



3

Excellent Sealing

The media passes through the valve without any sharp deflections thereby limiting dead spaces for slurry to clog and damage seat ring.

The linear sealing offers reliable bubble-tight shut off (Leakage Class IV).

OVERVIEW

TYPE

On-Off, Control Valve, Manual

SIZES

20A to 300A (Up to 1200A On Request)

PRESSURE

Low : 0 ... 20 bar
High: 0 ... 100 bar

TEMPERATURE

Up to 200 deg C

SUITABLE FOR







Ball, Globe, Angle, Plug valves and other valve applications

MEDIA

Liquid, Water, Gas, Steam, Nitrogen, Vacuum, etc.

APPLICATION

Quick acting on-off, Space constraint, Viscous liquid, High cyclic rates, etc

Features	Description	Benefits
Streamlined Flow	Streamlined flow path through full port expanded body avoids turbulence and prevents erosion (Leakage Class IV) and vibration. Process downtime and maintenance cost are reduced.	 Silent Operation
Actuator Inside	Pneumatic Actuating piston is smartly integrated into the valve disc. The lateral movement of the disc results in low actuation force (as low as 2 bar) is able to move the disc thereby increase energy efficiency.	 Space Saving
Light weight	Valve body provides 35% – 60% weight reduction compared to many automated valves in the market (like ball or globe valves).	 Light Weight
Pressure Balanced	The linear piston on MRV Valves are pressure balanced (can operate bi-directional). This design requires low actuation force to be produced to handle high pressure drops or large valve sizes, leading to smaller actuators.	 Energy Saving
No abrasion on seat ring	The linear piston is opened/closed against the seat ring within the internal valve body. The media passes through a streamlined flow path without any sharp deflections thereby limiting dead spaces for slurry to clog and damage seat ring.	 Long Service life
Options	<ul style="list-style-type: none"> • Custom design, Material, etc • Pneumatic positioner • Emergency shut-down solution • Electric actuation is also available 	 Customized Solution