

OVERVIEW

Series 762 is a bidirectional heavy duty slurry valve, designed for demanding slurry applications. Twin elastomer sleeves and gate design facilitate self-cleaning and prevent media build up. The durable ductile iron body is offered in a two-piece bolted flange style. When fully open, the valve is full bore—offering no resistance to line media.

APPLICATIONS

Mining

- > Primary & Secondary Milling
- > Primary & Secondary Cyclone
- > Flotation Cell
- > Thickener
- > Filter Pump

HPAL/POX

- > Autoclave App.
- > Process Pumps

Power

Pulp & Paper

Alumina

Chemical

Cement

SPECIFICATIONS

Size Range	NPS 3 to 48 DN 80 to 1200
Temperature Range	Natural Rubber: -60°F to 165°F -51°C to 74°C Buna-N: -34°F to 197°F -36°C to 90°C EPDM-HT*: -65°F to 302°F -54°C to 150°C EPDM: -65° -248° F -54° -120°C
Pressure Rating	SS 316 Gate NPS 3-24 100psi DN 80-600 7 bar NPS 26-42 75psi DN 650-1050 5 bar NPS 48 50psi DN 1200 3 bar
Body Style	Two-Piece Bolted Flanged

NOTE:

- 1 762 valves are elastomer sleeved slurry valves and MSS SP-81 and MSS SP-151 does not apply. The valves are tested for bi-directional, zero leakage across the sleeves.
 - 2 Do not operate the valve if the media in the line is frozen.
- * Exposure to continuous elevated temperatures will result in premature aging of the elastomer.

FEATURES

- 1 Upper and lower protective stem cover is standard in all models, increasing cycle life in dirty/dusty environments.
- 2 Fully encapsulated J-ring providing sleeve reinforcement and memory assist, guaranteeing bidirectional zero leakage performance.
- 3 In the open position, the energized sleeves shield all metal components from direct contact with the flowing process media.
- 4 Gate available in a wide range of corrosion resistant alloys to suit the pressure rating and application.
- 5 The design provides unobstructed flow path, extending sleeve life and minimizing pressure drop across valve.
- 6 Flanged two-piece bolted body allows for easy maintenance and is drilled and tapped to country standards.
- 7 Optional bottom flush plate with tapped ports, allows for safe discharge of media and easy flush water connection.
- 8 Sleeve retainers are standard on all sizes and are provided to ensure proper and uniform compression is maintained on the sleeves.



DESIGN STANDARDS

Valve Design	Manufacturer Standard
Seat Tightness	Zero Leakage
End Connections	Flanged
Face-to-Face	Per Industry Standard
Flange Drilling	ASME B16.5 CL150 ASME B16.47 CL150
Testing Standard	Manufacturer Standard

CERTIFICATIONS & APPROVALS

Certifications	Canadian CRN PED Category I Module A (Group 2 liquids)
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HIGH PRESSURE GATE OPTIONS

Pressure Rating	2205 Duplex Gate NPS 24 232 psi DN 600 16 bar NPS 26-48 150 psi DN 650-1200 10 bar
	17-4 PH Gate NPS 3-20 290 psi DN 80-500 20 bar

MATERIAL OPTIONS

Body	Carbon Steel (WCB) CF3M Stainless Steel Ductile Iron
Gate	304, 316, 317 Stainless Steel SAF 2507 Duplex SAF 2205 Duplex 17-4PH Stainless Steel Hastelloy® C Monel® Titanium
Sleeve	Natural Rubber Buna-N EPDM EPDM-HT
Stem	304
Secondary Seal	EPDM

DRAIN CONTAINMENT OPTIONS



Drain Plate



Drain Pan



Drain Bucket