

**OVERVIEW**

Series 768 is a bidirectional slurry valve, designed for demanding high pressure slurry applications. Twin elastomer sleeves and push-through gate design facilitate self-cleaning and prevent media build up. The durable ductile iron body is offered in a two-piece bolted wafer style. When fully open, the valve is full bore, offering no resistance to line media.

**APPLICATIONS**

- |                               |                     |                         |
|-------------------------------|---------------------|-------------------------|
| <b>Mining</b>                 | > Filter Pump/Press | <b>Gen. Industry</b>    |
| > Primary & Secondary Milling | > Process Water     | <b>Pulp &amp; Paper</b> |
| > Primary & Secondary Cyclone | > Tailings          | <b>Chemical</b>         |
| > Thickener                   | <b>HPAL/POX</b>     |                         |
|                               | > Autoclave App.    |                         |
|                               | Process Pumps       |                         |

**SPECIFICATIONS**

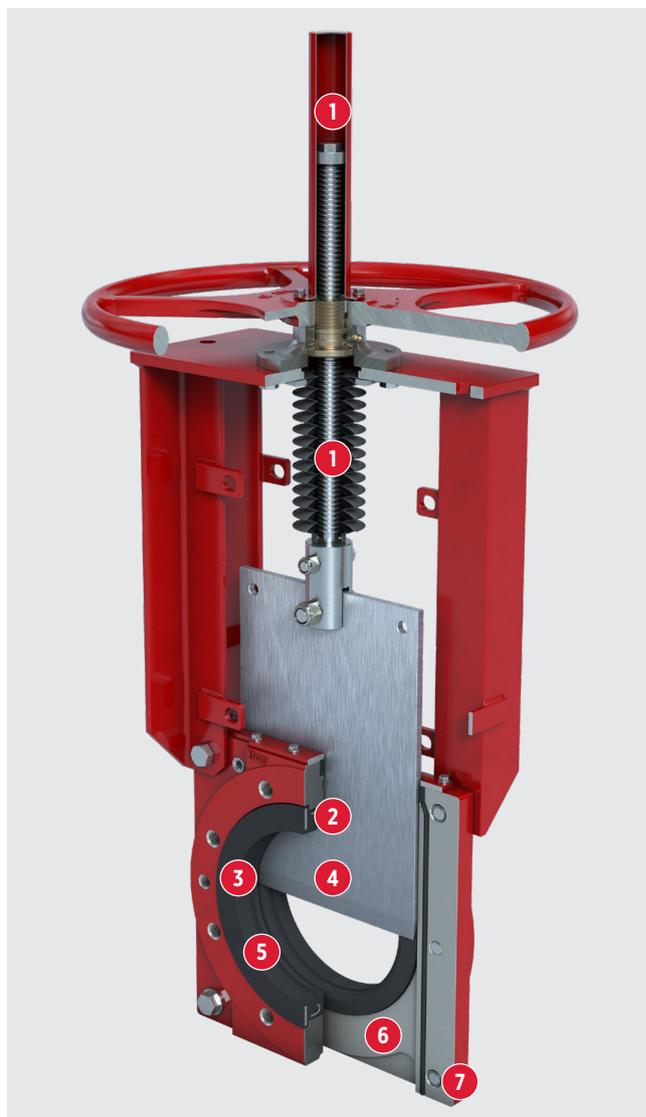
<b>Size Range</b>	NPS 2 to 36   DN 50 to 900
<b>Temperature Range</b>	Natural Rubber: -60°F to 165°F   -51°C to 74°C Buna-N: -34°F to 197°F   -36°C to 90°C EPDM: -65°F to 248°F   -54°C to 120°C
<b>Pressure Rating</b>	<b>SS 316 Gate</b> NPS 2-16 150psi   DN 50-400 10 bar NPS 18-24 90psi   DN 450-600 6.2 bar NPS 30 & 36 75psi   DN 750-900 5 bar <b>Duplex 2205 &amp; 17-4PH Gate</b> NPS 2-24 232psi   DN 50-600 16 bar NPS 30 & 36 150psi   DN 750-900 10 bar
<b>Body Style</b>	Two-Piece Bolted Wafer

**NOTE:**

- 1 F768 valves are elastomer sleeved slurry valves and MSS SP-81 and MSS SP-151 does not apply. The valves are tested for bidirectional, zero leakage across the sleeves.
- 2 Do not operate the valve if the media in the line is frozen.

**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 Full port design provides unobstructed flow path, extending sleeve life and minimizing pressure drop across valve.
- 6 Two-piece bolted wafer 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.



**DESIGN STANDARDS**

<b>Valve Design</b>	Manufacturer Standard
<b>Seat Tightness</b>	Zero Leakage
<b>End Connections</b>	Wafer
<b>Face-to-Face</b>	Industry Standard
<b>Flange Drilling</b>	ASME B16.5 CL150

**CERTIFICATIONS & APPROVALS**

<b>Certifications</b>	Canadian CRN PED Category I Module A (Group 2 liquids)
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**MATERIAL OPTIONS**

<b>Body</b>	CF3M Stainless Steel	
	Ductile Iron	
	<b>Gate</b>	304, 316, 317 Stainless Steel
		SAF 2507 Duplex
		SAF 2205 Duplex
	17-4PH Stainless Steel	
Hastelloy® C		
Monel®		
Titanium		
<b>Sleeve</b>	Natural Rubber	
	Buna-N	
	EPDM	
<b>Stem</b>	304	
<b>Secondary Seal</b>	EPDM	

**DRAIN CONTAINMENT OPTIONS**



Drain Plate



Drain Pan