

## 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

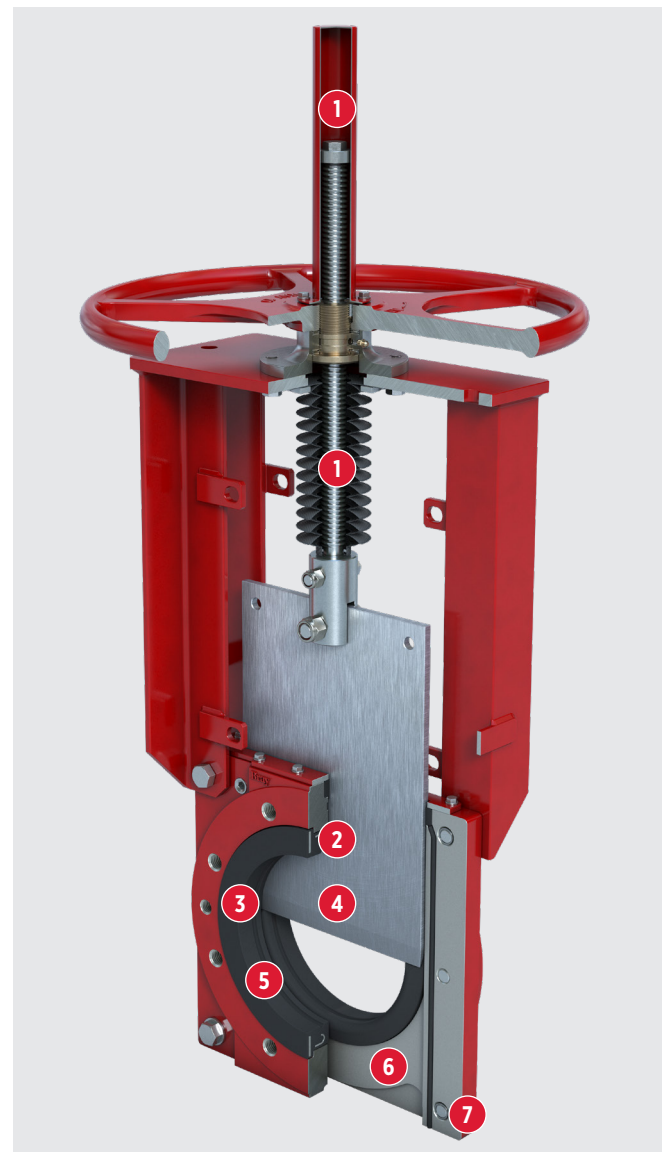
<b>Size Range</b>	NPS 2 to 24   DN 50 to 600
<b>Temperature Range</b>	Natural Rubber: -60°F to 165°F   -51°C to 74°C Buna-N: -34°F to 197°F   -36°C to 90°C EPDM: -65°F to 248°F   -54°C to 120°C
<b>Pressure Rating</b>	<b>SS 316 Gate</b> NPS 2-16 150psi   DN 50-400 10 bar NPS 18-24 90psi   DN 450-600 6.2 bar <b>Duplex 2205 Gate</b> NPS 2-18 232psi   DN 50-450 16 bar NPS 20-24 150psi   DN 500-600 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>	Flanged
<b>Face-to-Face</b>	MSS SP-81
<b>Flange Drilling</b>	ASME B16.5 CL150

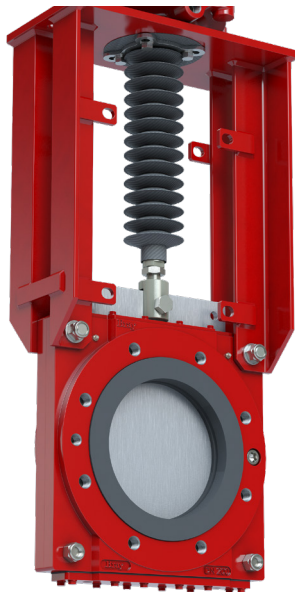
**CERTIFICATIONS & APPROVALS**

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

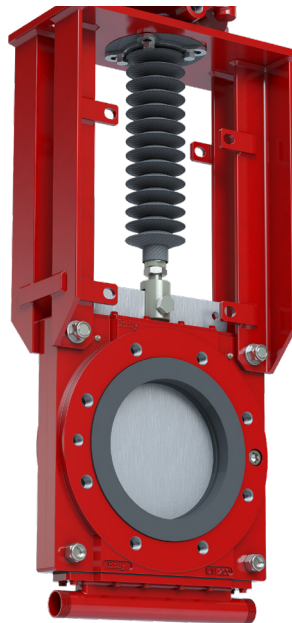
**MATERIAL OPTIONS**

<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