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

Mining
- Primary & Secondary MIlling
- Primary & Secondary Cyclone
- Thickener
- Filter Pump/Press
- Process Water
- Tailings

HPAL/POX
- Autoclave App. Process Pumps

Gen. Industry
Pulp & Paper
Chemical

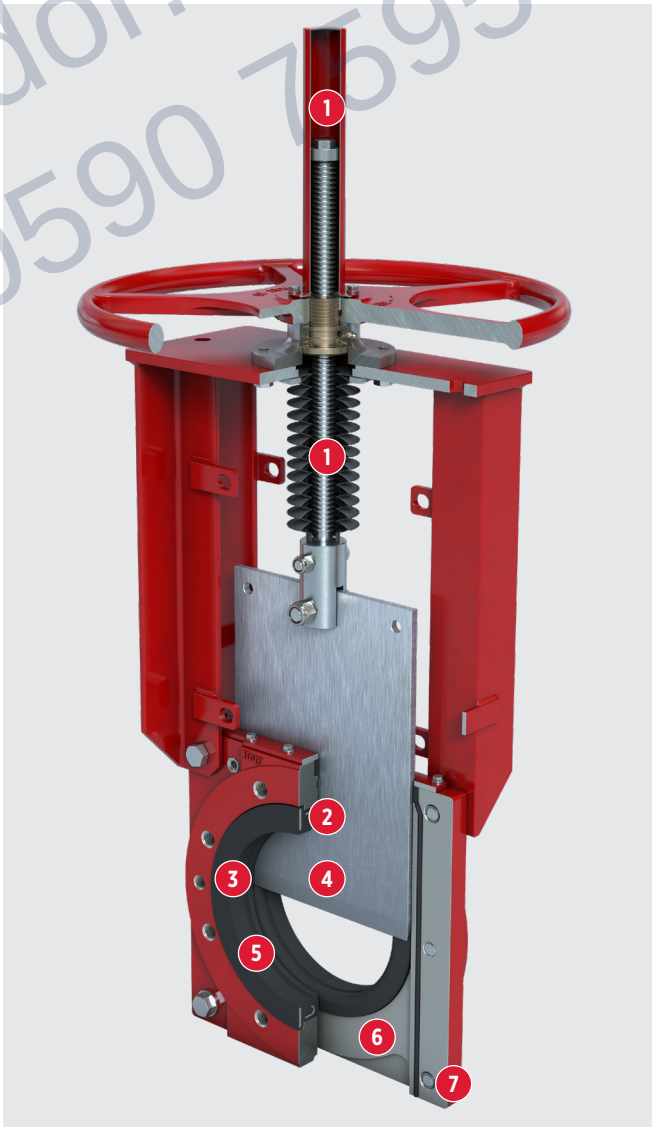
SPECIFICATIONS

Size Range	NPS 2 to 36 | DN 50 to 900
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: -65°F to 248°F | -54°C to 120°C
Pressure Rating	**SS 316 Gate**
	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
	Duplex 2205 & 17-4PH Gate
	NPS 2-24 232psi | DN 50-600 16 bar
	NPS 30 & 36 150psi | DN 750-900 10 bar
Body Style	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 bi-directional, 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

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

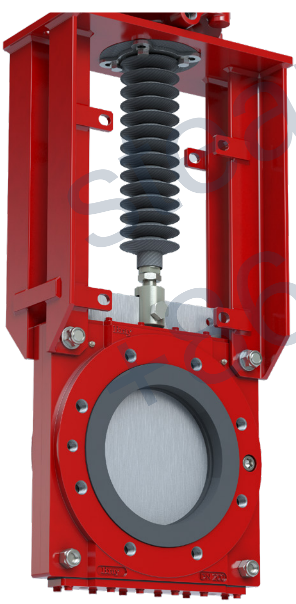
CERTIFICATIONS & APPROVALS

Certifications	Canadian CRN
	PED Category I Module A (Group 2 liquids)

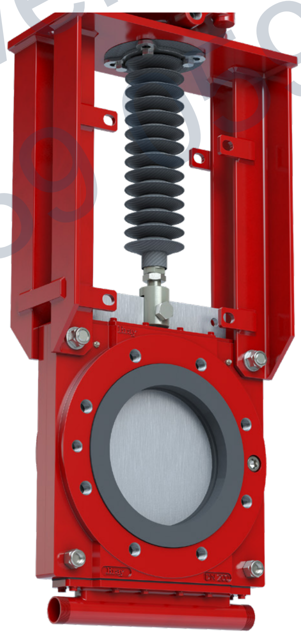
MATERIAL OPTIONS

Body	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
Stem	304
Secondary Seal	EPDM

DRAIN CONTAINMENT OPTIONS



Drain Plate



Drain Pan