

OVERVIEW

Series PVA is a bidirectional heavy duty pinch valve engineered for demanding applications. The pinch valve design enables customers to isolate as well as control in slurry and abrasive applications.

The body is offered in open or enclosed body design. When fully open, the valve is full bore—offering no resistance to line media and importantly, no potential leak paths to the environment.

APPLICATIONS

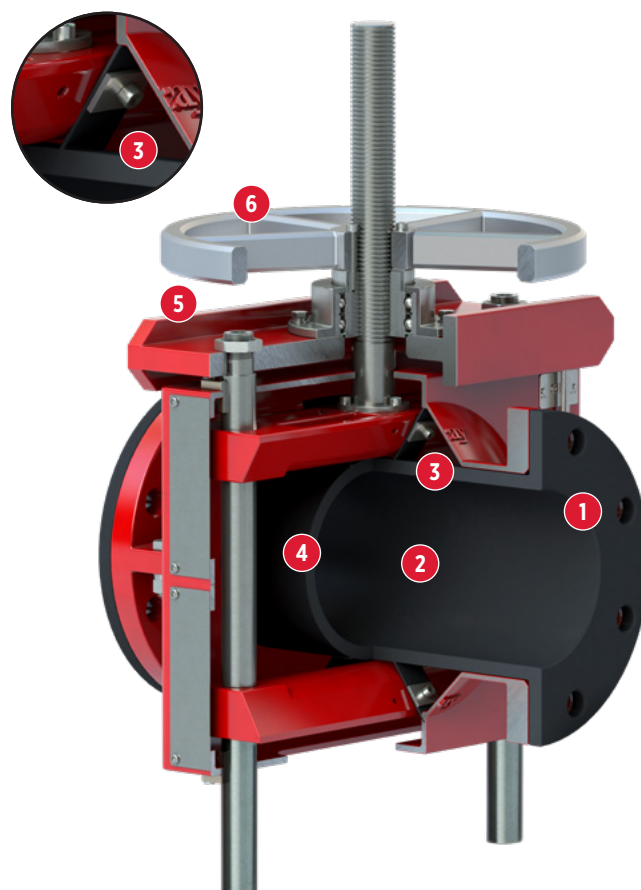
Mining & Mineral Processing	Grinding & Milling Flotation Thickeners Filter Press Tailings & Paste Backfill Bulk Material Handling
Chemical Industry	Slurry Strong Acid & Alkali Solutions Dosing Powder Particles Industrial Processing
Power	Ash Removal Bottom Ash Treatment Desulfurization Denitrification
Water & Wastewater	Sludge Handling & Control Lime Dosing Grit Removal & Raw Sewage
Pulp & Paper	Raw Paper Stock Kaolin Clay Coatings Starch Bleaching
Battery Manufacturing & Battery Recycling	Active Material Slurry Handling Electrolyte Dosing Raw Material Feed
Food & Beverage	Beer & Wine Feed Waste Recycling Grains Meat Processing

SPECIFICATIONS

Size Range	NPS ½ to 36 DN 15 to 900
Temperature Range	Natural Rubber -22°F to 176°F -30°C to 80°C
	Buna-N 14°F to 176°F -10°C to 80°C
	EPDM -22°F to 212°F -30°C to 100°C
	CSM 14°F to 194°F -10°C to 90°C
	FKM 14°F to 194°F -10°C to 90°C
Pressure Rating	Open Body 232 psi 16 bar
	Enclosed Body 232 psi 16 bar 363 psi 25 bar
Body Style	Open Body Enclosed Body

FEATURES

- 1 ROBUST HEAVY DUTY SLEEVE:** Features a triple layer reinforced construction to deliver extended service life.
- 2 FULL-BORE, UNOBSTRUCTED FLOW PATH:** When fully open, the full-bore design offers no resistance to line media and no external leak paths.
- 3 QUICK RESPONSE LIFTING TABS:** Enable quick opening, even in low pressure applications.
- 4 SLEEVE MATERIAL OPTIONS:** Available to handle a wide range of applications, from abrasion resistance to chemical compatibility.
- 5 OPEN OR ENCLOSED BODY DESIGNS:** Available to meet installation and operation requirements.
- 6 ACTUATION & CONTROL OPTIONS:** Including manual, pneumatic, hydraulic, or electric operators with positioners, switches, solenoids, and filter regulators.



DESIGN STANDARDS

Valve Design	ISA 75.10.01 Manufacturer standard
Isolation Shutoff	Zero Leakage
End Connection	ASME 150 ASME 300 AS Table D AS Table E DIN PN10, PN16, PN25 SANS PN10, PN16, PN25
Face to Face	ISA 75.10.02 Manufacturer Standard
Testing Standard	Manufacturer Standard

ACTUATOR OPTIONS

Handwheel	Standard: NPS ½ to 8 DN 15 to 200
Bevel Gear	Standard: NPS 10 to 36 DN 250 to 900
Pneumatic	
Electric	

MATERIAL OPTIONS¹

Body	Ductile Iron Carbon Steel WCB Stainless Steel CF8 Stainless Steel CF8M
Sleeve	Natural Rubber EPDM Nitrile (Buna-N) FKM Hypalon (CSM) Chlorobutyl Rubber
Stem	Chrome-plated Steel Stainless Steel
Fasteners	Stainless Steel

NOTES

¹ Additional material options may be available upon request. Consult factory for availability.

OPTIONS & ACCESSORIES



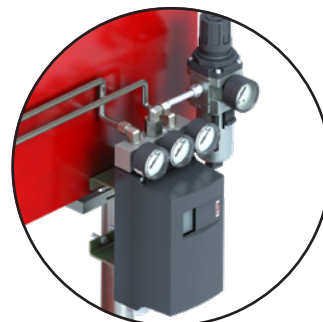
Open Body, Handwheel



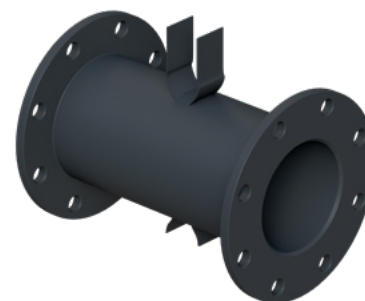
Closed Body, Handwheel



Closed Body, Pneumatic Actuator,
Positioner, Filter Regulator



Positioner, Filter Regulator



Replacement Sleeves