

Process
Automation

IMI PBM



PSV Switching Valve Solutions



Breakthrough
engineering for
a better world

We Specifically Design for Maximum **Safety.** Maximum **Reliability.** Maximum **Efficiency.**

Any End Connections

Any Material

Quick Operation

Easy Field Repair

Minimize & Avoid Downtime

Lockable Positioning

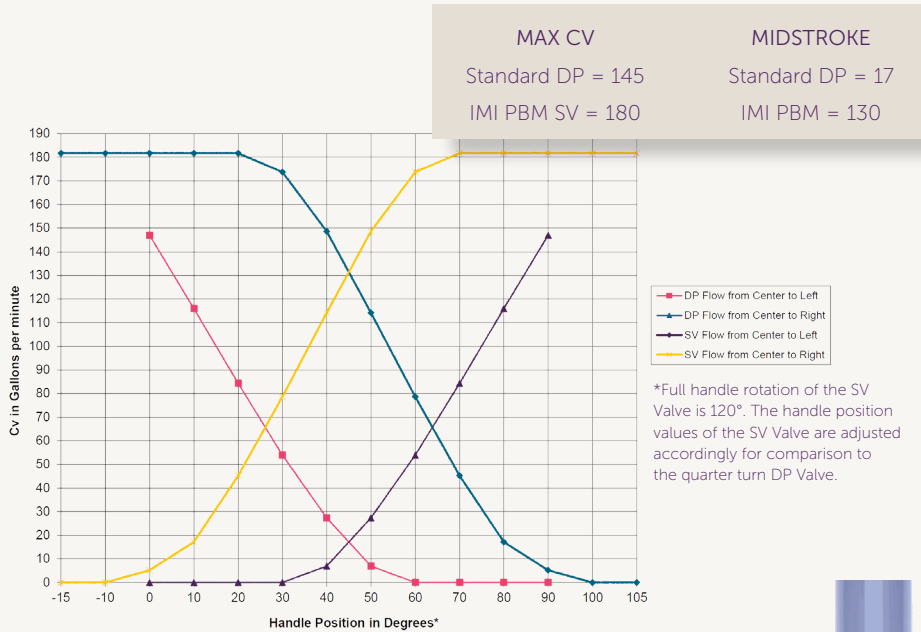


Features & Benefits

- 3-Way Industrial Multi-Port Switching Valve
- Sizes ½" to 6" - Class 150 & Class 300 (Class 600 available)
- Temperatures: -325°F (-163°C) to 400°F (204°C) for V-TEF™ seats, higher temperature seat/seal materials available
- Maximum Working Pressure: 275 psig CWP Class 150, 720 psig CWP Class 300 (for 316 & 316L)
- Trunnion Mounted Ball captured mechanically; seals bi-directionally on both PSV ports
- Our True Bore® design or full port
- Live loaded packing
- C-TEF™, S-TEF®, V-TEF™, others available (API 622 Low Emissions Packing available)
- A193/A194 body bolts and nuts
- Flanged, NPT, butt weld, socket weld end connections
- 120° porting for fast operation (minimize PSV system interruption)
- Materials of construction: Stainless Steel 316 & 316L, Alloy 20, Carbon Steel, Hastelloy, Inconel, others available
- Low pressure drop at full flow (< 3% no need to upsize piping to accommodate a 90° Diverter Valve pressure drop)
- Manifold assembly manufactured in controlled U.S. factory environment
- Custom Configurations to Fit Existing Piping

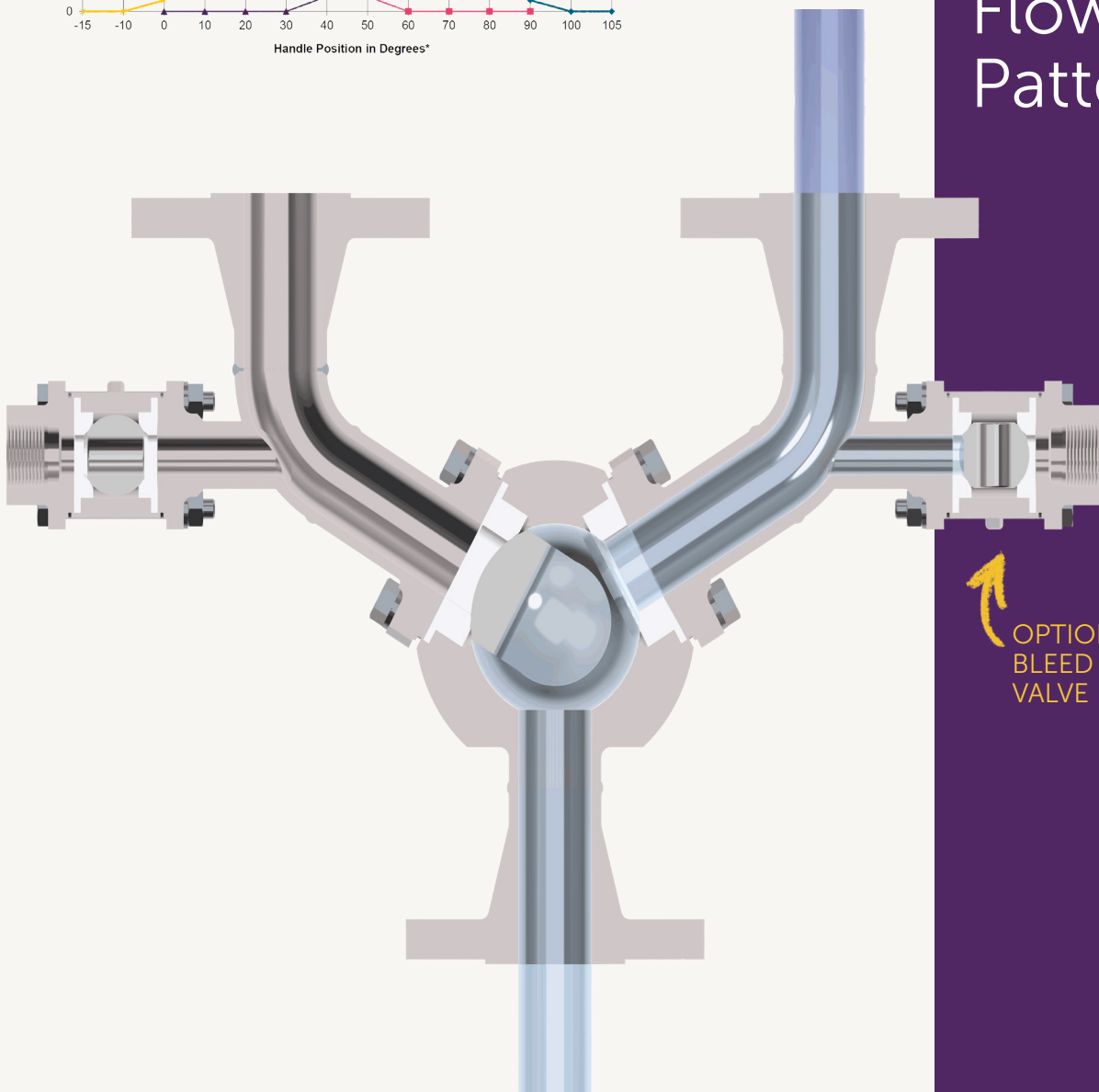
Ideal Industry Usage

Our valves are engineered and designed to seamlessly, safely and reliably switch from active Pressure Safety Valves (PSV) or Conservation Vents to a standby - while maintaining maximum flow and system overpressure protection.

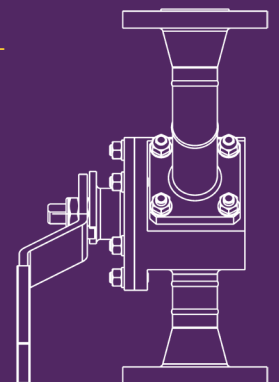


- Ammonia Storage
- Continuous Plant Operations
- Critical Equipment Protection
- Cryogenic/LNG Service
- Hazardous Material
- In-Service Testing/Calibration
- Power Plants & Boilers
- Redundancy/Reliability Requirements
- Short PSV Maintenance Schedules
- Tanks

Flow Pattern #52



OPTIONAL
BLEED
VALVE



IMI operates four global centres of technical excellence and a sales and service network in 50 countries, as well as manufacturing capability in Brazil, China, the Czech Republic, Germany, India, Mexico, the UK and the USA.

Supported by distributors worldwide.

For further information, scan this QR code or visit pbmvalve.com or imiplc.com/process-automation



Process Automation

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Due to our policy of continuous development, IMI reserves the right to change specifications without prior notice.

IMI_PBM_PSV_RB25

