

# ChemLine Valves & Actuation

## Ball Valves

- Chemline ball valves come in a wide selection of body materials, end connections and actuation options
- Sizes are up to 6" full port
- Metering and Proportional valves offer linear flow control
- Cavity Free model is designed for handling solids
- New HYBRID ball valve has composite metal reinforced body, PFA or PVDF lined for severe chemical services at temperatures up to 160°C (320°F)



**Type 24  
True Union**  
PVC: 1/2" to 4"



**Type 25  
True Union**  
PVC, PP, PVDF:  
1/2" to 2"



**Type 21  
True Union**  
PVC, CPVC, PP, PVDF:  
1/2" to 4"



**Type XLT  
True Union**  
PVC: 1/2" to 4"



**Type 27 Compact**  
PVC, CPVC:  
3/8" to 3"



**Type 33  
Horizontal  
Multi Port**  
PVC, PP, PVDF: 1/2" to 2"



**Type 23 Vertical  
Multi Port**  
PVC, CPVC, PP, PVDF:  
1/2" to 4"



**SL Series  
Cavity Free**  
PVC, PP: 1/2" to 2"



**SM Series  
Metering**  
PVC, PP: 1/2" to 1"



**SP Series  
Proportional**  
PVC, PP, PVDF: 1/2" to 2"



**HC Series  
High Capacity**  
PVC, PP, PVDF:  
2-1/2" to 6"



**HB Series HYBRID  
PFA or PVDF Lined**  
PPG, PPSG: 1" to 1-1/2"

## Butterfly Valves

- New Type 61 features a streamlined disc designed for more linear flow control
- New Type 71 double eccentric features low stem torques. Actuation is less expensive
- Giant butterflies 28" to 48" have a full seat for tight sealing
- ChemValve butterflies are fluoropolymer-lined for severe chemical services
- New HYBRID butterfly valve has composite metal reinforced body, PFA lined for severe chemical services at temperatures up to 160°C (320°F)
- FRP dampers are for large diameter ducting systems



**Type 61  
Elastomer  
Seated**  
PVC, PP: 2-1/2" to 8"



**Type 58  
Elastomer  
Seated**  
PP, PVDF: 1-1/2" to 24"



**Type 57P  
Elastomer  
Seated**  
1-1/2" to 24"



**Type 71  
Double  
Eccentric**  
PVC, PP: 2" to 12"



**GY Series  
Giant**  
PP: 28" to 48"



**ChemValve  
Fluoropolymer  
Lined, Composite  
Body**  
2" to 12"



**ChemValve  
Fluoropolymer  
Lined, Ductile  
Iron Body**  
2" to 40"



**HY Series  
HYBRID  
PFA Lined, Lever**  
PPG, PPSG: 3"



**HY Series  
HYBRID  
PFA Lined, Gear**  
PPG, PPSG: 3" to 12"



**Low Leakage  
Damper**  
FRP: 12" to 96"

## Diaphragm Valves

- New HYBRID diaphragm valve has composite metal reinforced body, PFA or PVDF lined for severe chemical service temperatures up to 160°C (320°F)
- 700 Series – 1/2" to 4", either manual or pneumatically actuated, normally closed, normally open or double acting – modular design – compact dimensions – designed for water treatment and original equipment manufacturers (OEM's)



**Type 14 Flanged**  
PVC, CPVC, PP, PVDF:  
1/2" to 10"



**Type 16 Flanged**  
PVC, CPVC, PP, PVDF:  
1/2" to 10"



**DV Series True Union**  
PVC, CPVC, PP, PVDF:  
1/2" to 2"



**HD Series HYBRID PFA or PVDF Lined**  
PPG, PPSG: 1/2" to 6"



**Type 760/761 Manual**  
PVC, CPVC, PP, PVDF:  
1/2" to 4"



**Type 720 Manual**  
PVC, CPVC, PP, PVDF:  
3/8" & 1/2"



**Type 710 Pneumatic**  
PVC, CPVC, PP, PVDF:  
3/8" & 1/2"



**Type 731 Pneumatic**  
PVC, CPVC, PP, PVDF:  
1/2" & 3/4"



**Type 750 Pneumatic**  
PVC, CPVC, PP, PVDF:  
1" to 2"



**Type 730 Pneumatic**  
PVC, CPVC, PP, PVDF:  
1" to 4"

## Check Valves

- New spring check valves will close in any position within the piping system
- Wafer checks are a cost effective solution



**Ball Check/Foot**  
PVC, CPVC, PP, PVDF:  
1/2" to 4"



**ES Spring Check**  
PVC: 1/2" to 2"



**SW Swing Check**  
PVC, CPVC, PP, PVDF:  
1/2" to 8"



**WE Wafer Check**  
PVC: 2-1/2" to 8"



**WP Wafer Check**  
PVC, PP, PVDF:  
10" to 24"

## Gate & Globe Valves



**CGA Series Gate**  
PVC: 1-1/2" to 14"



**GT Series Gate**  
PP: 1-1/2" to 10"



**Globe Valves**  
PVC, PP, PVDF: 1/2" to 2"

## Lab Valves



**PVC Lab Cocks**  
1/4"



**PVDF Lab Cocks**  
1/4"



**Needle Valves**  
PVC, CPVC, PPG:  
1/4" to 1/2"



**Goosenecks**  
3/8"

## Strainers & Gaskets

- Flange gaskets are recommended for all plastic flanges. Required bolt torques to seal are a fraction of those for flat face gaskets.



**Y-Sediment Strainers**  
Clear PVC, PP, PVDF:  
1/2" to 4"



**Low Torque Flange Gaskets**  
EPDM, PTFE:  
1/2" to 12"



## Regulating Valves

- Leakproof True Union ends
- Reliable and repeatable operation
- Low hysteresis
- SB Series Back Pressure/Relief valves are designed for long maintenance-free life in chemical dosing systems.
- SR50 Series Pressure Regulating (Reducing) Valves are sensitive and provides precise control. Valves protect equipment from damaging pressure surges.



### SB17 Mini Back Pressure/Relief

- Compact, fits tight spaces
- PVC, PP or PVDF
- 1/4" & 3/8"



### SB18 Back Pressure/Relief

- Recommended for dosing applications
- PVC, PP or 316SS
- 3/8" to 2"
- Certified under NSF 61



### SB11 Back Pressure/Relief

- Proven superior performance on sodium hypochlorite
- PVC
- 1/2" to 1"
- Shown with ChemFlare™ end connections



### SB12 Back Pressure/Relief

- Built-in check function for dosing applications
- PVC, PP or PVDF
- 3/8" to 4"
- Certified under NSF 61



### SR50 Pressure Regulating (Reducing)

- Maintains a set downstream pressure independent of higher upstream pressures
- PVC, PP or PVDF
- 3/8" to 4"
- Certified under NSF 61

## Electric Actuation

- Corrosion Resistant, lightweight plastic housings
- NEMA 4X/IP65 enclosure
- CSA Approved or Special Inspection labelled
- Multi-Voltage operation
- Adjustable Travel through full range
- Irreversible Gearing, backlash impossible
- Heater/Thermostats are supplied standard
- 2 Extra Switches for valve position feedback are supplied standard



E Series  
on a Type 24



V Series  
on a Type 24



E Series  
on a Type 33



V Series  
on a Type 58



V Series  
on a Type 61

### Other Electric Actuator Features

E Series – Prewired inside with DIN Plug wiring connections

V Series – Hand wheel manual override

– Adjustable mechanical travel stops

## Pneumatic Actuation

- Epoxy/Rilsan coated for high corrosion resistance and durability
- Aluminum rack and pinion construction
- Rated for over one million cycles
- Mechanical travel stops



PA & PG Series  
Coated Aluminum  
on a Type 25



PA & PG Series  
Coated Aluminum  
on a Type 24



PA & PG Series  
Coated Aluminum  
on a Type 33



PA Series  
Coated Aluminum  
on a Type 61



P3 Series 316  
Stainless Steel  
on a Type 61

## Accessories for Pneumatic Actuators



### Limit Switches

- Standard Mechanical Switches or Explosion-Proof



### Positioners

- 3-15 psi pneumatic
- 4-20 mA Electro-Pneumatic
- 4-20 mA Smart



### Declutchable Gear Overrides



### Solenoid Valves

- Bolt flush onto the actuator