



1-800-268-3508

armourvalve.com

sales@armourvalve.com

Product Catalog

Supporting Canadian energy & industry since 1971

Connect with us on LinkedIn 

Follow us on Twitter 



SPECIALTY VALVES & PROCESS EQUIPMENT

+ 100s OF SOLUTIONS EVALUATED FOR QUALITY

Gate, Globe & Check

- Forged, cast & special alloy
- Y, T, angle, globe
- Gate
- Knife gate
- Needle
- Checks - piston/nozzle/stop

Plug

- Lubricated & non-lubricated
- Lift plugs

Control

- Throttling
- Globe
- Steam conditioning
- Desuperheater/ attemperator
- Ball segment
- Pinch
- Butterfly
- Pressure independent control valves (PICVs)
- Automatic pump recirculation



Globe Valves



Ball Valves



Knife Gate Valves

Ball

- API 6D trunnion (fully welded & split body)
- Floating
- Ball segment
- Metal & soft seated
- Ceramic lined
- Buried service pipeline

Bulk Handling

- Knife gate, slide gate
- Pinch
- Rotary air lock
- Dump/flap
- Scavenger

Special Purpose

- Air release
- Bottom outlet
- Diverter & changeover
- Sampling
- Mixing
- Delayed coker
- Safety
- Hygienic

Butterfly

- Triple offset
- High performance
- Resilient seated



Line Blinds

We supply custom valves to fit your specific application requirements.

Contact: customercare@armourvalve.com

MEASUREMENT

- Electronic level gauges
- Visual level gauges
- Magnetic Level gauges
- Isolation rings

SPECIAL PURPOSE

- Flame arrestors
- Quick change line blinds
- Quick disconnect fittings
- Back pressure regulator
- Pre-insulated flexible & rigid pipe

ACTUATION

Automation

- Quarter-turn & multi-turn
- Open-close & control
- Pneumatic
- Hydraulic
- Electro-hydraulic

Accessories

- Air sets
- Limit switches
- Mounting kit
- Positioners
- Sensors
- Solenoid valves



Attemperators/
Desuperheaters

**Boehmer****District Energy Ball Valves**

- 1"-48"
- ASME Class 150 (285 psi)
- Hot or chilled water service
- Fully welded, forged body design
- Full penetration welds
- Spiral spring-assisted seat rings
- Trunnion-mounted starting at 4"
- Above ground & buried service

*Available for North America***Boehmer****Fully Welded Ball Valves**

- 2"-56"
- ASME Class 150-2500, -45°C and up
- Oil or gas pipeline service
- Fully welded, forged body design
- Full penetration welds
- Double isolation & bleed (DIB)
- Above ground & buried service
- Emergency PMSS sealing system

Boehmer**Pre-Insulated District Energy Ball Valves**

- 1"-48"
- ASME Class 150 (285 psi) & EN488
- Hot water, buried service
- Fully welded, forged body design
- Built in leak detection
- Trunnion-mounted starting at 4"
- Customizable stem extensions
- Polyurethane (PUR) insulation

*Available for North America***Brugg Pipes****CALPEX Pre-insulated Flexible Pipe**

- ¾"-6"
- 6 | 10 bar (87 | 145 psi), up to 80°C
- Low temp hot & potable water
- Lowest heat loss coefficient
- Cross-linked polyethylene (PEXa)
- Screwed, pressed & electrofusion
- Polyurethane (PUR) insulation

*Available for North America***Brugg Pipes****CASAFLEX Pre-insulated Flexible Pipe**

- ¾"-4"
- 25 bar (362 psi), up to 160°C
- Building hot water connection
- Single, twin & quad configurations
- Corrugated self-cleaning inner pipe
- SS & rigid steel pipe connectors
- Polyisocyanurate (PIR) insulation

*Available for North America***Brugg Pipes****COOLFLEX Pre-insulated Flexible Pipe**

- ¾"-5"
- 16 bar (232 psi), -20°C to 40°C
- Chilled, potable & wastewater
- Certified HDPE PE100 inner pipe
- Screwed, pressed & electrofusion
- Polyurethane (PUR) insulation

*Available for North America***Brugg Pipes****COOLMANT Pre-insulated Rigid Pipe**

- 5"-12"
- 16 bar (232 psi), -20°C to 40°C
- Chilled, potable & wastewater
- Certified HDPE PE100 inner pipe
- Fusion-welded or couplings
- Polyurethane (PUR) insulation

*Available for North America***Brugg Pipes****EIGERFLEX Pre-insulated Flexible Pipe**

- ¾"-4"
- 16 bar (232 psi), -30°C to 20°C
- Chilled, potable & wastewater
- Built-in frost protection strip
- Certified HDPE PE100 inner pipe
- Screwed, pressed & electrofusion
- Polyurethane (PUR) insulation

Available for North America



Brugg Pipes

FLEXWELL Pre-insulated Flexible Pipe



- ¾" - 6"
- 25 bar (362 psi), -170°C to 150°C
- Directional drilling applications
- Patented double-walled SS design
- Corrugated self-cleaning inner pipe
- Connect to stainless or carbon steel
- Polyisocyanurate (PIR) insulation

Available for North America

Brugg Pipes

PREMANT Pre-insulated Rigid Pipe



- ¾" - 40" (DUO to 12")
- 25 bar (362 psi), up to 144°C
- EN253 buried hot water service
- Single (UNO) & twin (DUO) pipe
- Carbon steel inner pipe
- Polyurethane (PUR) insulation

Available for North America

Conval

Camseal® Metal Seated Ball Valves



- ½" - 4"
- ASME Class 900-4500
- In-line renewable cartridge design
- Individually factory tested
- Zero leakage unibody
- IGW for in-line packing adjustment
- Top-entry pressure seal
- Fire safe design

Conval

Clampseal® Cryogenic Valves



- ½" - 4"
- ASME Class 1500 & 2500
- In-line repairable
- Solid Stellite seat & disc
- Single-piece stainless steel gland
- IGW for in-line packing adjustment
- Forged stainless steel body

Conval

Clampseal® Globe & Check Valves



- ½" - 4"
- ASME Class 900-4500
- In-line repairable
- Available in Angle, Y, or T pattern
- Pressure-assisted seal bonnet
- IGW for in-line packing adjustment
- NACE & LFE options
- Fire safe design

Conval

Clampseal® Severe Service Urea Valves



- ½" - 4"
- ASME Class 900-2500
- In-line repairable
- Available in Angle, Y, or T pattern
- Pressure-assisted seal bonnet
- IGW for in-line packing adjustment
- Forged steel & alloy materials

Conval

Clampseal® Throttling Valves



- ½" - 4"
- ASME Class 900-2500
- In-line repairable
- Replaceable seat/orifice
- Easy-to-read position indicator
- IGW for in-line packing adjustment
- Available in tandem configuration
- Forged steel & alloy materials

Conval

Whisperjet



- ½" - 4"
- ASME Class 900-4500
- Water or steam
- Multistage pressure reducing orifice
- Eliminates/reduces erosion & noise
- Flexible number of stages
- Can be paired with a valve



Conval/HILTAP

SaVD Series Safe Vent Drain



- ¾" - 2"
- ASME Class 900-2500
- Conval Clampseal® & HILTAP Rapidlok™
- Hydrocarbon vents & drains
- Double block & bleed
- Secondary leak containment
- IGW for in-line packing adjustment

Dragon

2Y Needle Valves



- ¼", ⅜", ½"
- ASME Class 2500, up to 1125°F
- High pressure/temperature
- Carbon & 316 stainless steel
- Metal-to-metal seat

Flow Control Industries

DeltaP SmartValve



- ½" - 16"
- up to 250°F
- Advanced instrumentation for data reporting/troubleshooting
- Real-time temperature, rotation & pressure measurements
- BACNet interface integrates with building automation systems

Flow Control Industries

DeltaPValve® (PICV)



- ½" - 16"
- up to 250°F
- Pressure-independent control valve
- Hot or chilled water, or glycol
- 3 pressure & temperature ports
- Brass, carbon steel, SS, Teflon trim
- Bodies: ≤ 1½" brass, ≥ 2" ductile
- 10-year warranty on valves up to 8"

Fossil Power Systems

Aquarian 3000 Visual Water Level Gauge



- Ported gauge: 3000 psi
- LED bi-colour illuminators
- Water & steam level measurement
- Double mica ported gauge design
- ASME certified
- Belleville washers eliminate re-torquing

Available in Atlantic Canada and Ontario

Fossil Power Systems

Aquarian 4000 Magnetic Level Indicator



- Designed for 1350 psi and 700°F
- Leak-proof, non-invasive level measurement
- Suitable for most fluids in steam & process applications
- High-contrast, bi-coloured flags, visible to 300 ft
- Constructed to ASME BPVC requirements

Available in Atlantic Canada and Ontario

Fossil Power Systems

Aquarian Electronic Level Indicators



- Probe rating 3000 psi @ 1200°F
- Solid state electronics
- Measure up to 48 probe levels
- Two-colour display
- Brazed probe design
- Swagelok connector
- NEMA 4x enclosure

Available in Atlantic Canada and Ontario

Fossil Power Systems

Aquarian Flat Glass & Reflex Gauges



- Flat glass: 1000 psi | 2000 psi
- Reflex glass: 350 psi | 650 psi
- Wide range of non-ASME process applications
- Range of visibility 7-7/8" to 125-5/8"
- ASME certified
- Custom extruded body to reduce deflection and leaks

Available in Atlantic Canada and Ontario

**HILTAP****Burst Pups**

- 2 $\frac{3}{8}$ ", 2 $\frac{7}{8}$ ", 3 $\frac{1}{2}$ ", 4 $\frac{1}{2}$ ", 5", 5 $\frac{1}{2}$ "
- Threaded ends for easy installation
- Large window for pip blocking
- Retreated window prevents premature failure
- Traceable ID for verification
- Built to ISO 9001 standards

HILTAP**RapidLok™ Series Safety Quick Couplings**

- $\frac{3}{4}$ ", 1", 2", 3", 4" & 6"
- ANSI 150/300 equivalent
- Pressure locking connection
- 1/4 turn for rapid engagement
- Leakproof operation
- SS, carbon steel & aluminum

HORA**Attemperators/Desuperheaters**

- ASME Class 300-2500
- Types: multi-nozzle, injection orifice, injection lance, venture, radial, and steam atomized
- Integral pressure control valve
- Seat positioned outside of flow
- High rangeability
- Ease of maintenance

HORA**Automatic Pump Recirculation Valves**

- 1 $\frac{1}{4}$ "-10" (larger on request)
- ASME Class 150-1500
- High or low pressure models
- Fully mechanical automatic solution
- On/off recirculation flow control
- Pump protection at minimum flow
- In-line repairable

HORA**Control Valves**

- Up to 24"
- ASME Class 300-2500
- High & low load designs
- Water, feedwater & steam
- Wide range of trim designs
- Differential pressure over 7000 psi

HORA**Steam Conditioning Valves (Turbine Bypass)**

- ASME Class 150-4500, up to 1150°F
- Combined pressure reducing & desuperheating
- Globe, Angle or Z-style
- Custom engineered turbine bypass
- High rangeability
- Ease of maintenance

North Port Valves**SER100/150 - Unidirectional Valve**

- 2"-48" lugged, 18"-48" flanged
- MSS SP-81
- LD stock, moderate slurries, water
- Full stainless steel construction
- Fully guided gate
- Bubble tight elastomer seats
- Class 3 shutoff metal-to-metal seats
- Rising stem standard

North Port Valves**SER150 - Unidirectional Valve Full**

- 18"-48"
- MSS SP-81
- LD stock, moderate slurries, water
- Full stainless steel construction with guided gate
- Fully guided gate
- Bubble tight elastomer seats
- Class 3 shutoff metal-to-metal seats
- Rising stem standard, non-rising available



North Port Valves

SER200 - Bi-directional Valve



- 2"-30"
- MSS SP-81
- Perimeter seated bi-directional bubble tight shutoff
- Pulp stock, slurries, powders, plastics & others
- Full port cavity free design
- Body acts as blade scraper
- Two piece, SS body, fully repairable
- Non-rising stem

North Port Valves

SER250 - Bi-directional Valve, cone deflector



- 2"-18"
- MSS SP-81
- Perimeter seated bi-directional bubble tight shutoff
- Wet & dry ash, bulk handling, slurries with heavy solids
- Cone extends seat life, does not change face-to-face
- Body acts as blade scraper
- Two piece, SS body, fully repairable

North Port Valves

SER300 - Scavenger Valve



- 3"-30"
- MSS SP-81
- Heavy trash applications
- Cavity/pocket free
- Hardened gate, guide, & cartridge
- Beveled gate to shear heavy solids
- Two piece, SS body, fully repairable
- Pneumatic cylinder standard

North Port Valves

SER350 - HD/MD Reject Chamber Valve RxR



- 6", 8", 10", 12"
- MSS SP-81
- Round by round flanged
- HD/MD reject systems
- Hardened gate, guide, & cartridge
- Cavity free design
- Two piece, SS body, fully repairable
- Pneumatic cylinder standard

North Port Valves

SER375 - HD/MD Reject Chamber Valve RxS



- 6", 8", 10"
- MSS SP-81
- Round by square flanged
- HD/MD reject systems
- Hardened gate, guide, & cartridge
- Cavity free design
- Two piece, SS body, fully repairable
- Pneumatic cylinder standard

North Port Valves

SER400 - O-Port Thru Gate Valve



- 3"-30"
- MSS SP-81
- Bi-directional positive shutoff
- Heavy slurry & scaling applications
- Electro polished gate
- Full stainless steel construction
- Cylinder recommended above 12"
- Purge ports standard on all sizes

North Port Valves

SER700 - Transmitter Isolation Valve



- 3"
- MSS SP-81
- Positive isolation of transmitters
- Machined to transmitter diaphragm
- 3 purge ports standard
- All 317SS body and gate
- Offset bolt pattern direct mounting
- Stainless steel ratchet handle

Onyx

Duck Bill Check Valves



- 1"-60"
- Exterior or internal installation
- Flanged or slip-on connection
- Open & enclosed designs
- NSF approved



Onyx

Expansion Joints



- Prevents pipe displacement
- Reduces noise & vibration
- Customizable to suit the application
- Single or multiple arch
- Standard design ships from stock

Onyx

Pinch Valves



- ½"-36"
- Full round
- Single or dual pinch
- Pre-pinch
- FDA approved rubber insert
- On/off & modulating service

Onyx

Pressure Isolator Rings



- 1"-42"
- Modular seals
- Up to 3 instruments per ring
- Multiple application combinations
- Guaranteed to never clog or plug
- Available with gauges, pressure switches & transmitters
- Flanged, screw-on, tri-clover

Persta

High Pressure Forged Valves



- ½" & larger
- ASME Class 900-4500
- Gate, globe, check & stop check
- Forged steel & alloy materials

SchuF

Changeover Valves



- 1"-14"
- ASME Class 150-2500
- Tandem changeover valve design
- Suited to applications with dual mandatory pressure relief devices
- Guaranteed relief flow
- Carbon steel & alloy materials

SchuF

Disc Bottom Outlet Valves



- 1"-24"
- ASME Class 150-2500
- Metal-to-metal positive shut-off
- Wide range of materials & coatings
- Disc lowering or rising design
- Dead space free & crust breaking

SchuF

Diverter Valves



- 1"-18"
- ASME Class 150-2500
- Highly viscous media, continuous backflush, combine process flows, switch medium between equipment
- 3, 4, 5 & multiple inlets & outlets
- Metal-to-metal seated
- Dead space free
- Options: contoured ram, heating jacket, flushing ports

SchuF

Lift Plug Valves



- ASME Class 150-2500
- High temperature, abrasive, and/or clogging applications
- IsoPlug: isolates media flow
- SwitchPlug: switch between 3 inlets
- TruePlug: DBB in one enclosed body
- Materials CS & C12A (to 36")

**SchuF****Piston Bottom Outlet Valves**

- 1"-24"
- ASME Class 150-2500
- Metal-to-metal positive shut-off
- Self-draining & dead space free
- Wide range of materials & coatings
- Multistage & cage release design

SchuF**Sampling Valves**

- ½"-1½"
- ASME Class 600
- Simplifies extraction/injection
- Metal-to-metal or PTFE sealing
- Non-clogging/dead space free
- Ram & disc type
- PTFE or graphite packing
- Wafer & integral pipe design

SchuF**Severe Service Angle Control Valves**

- 1"-36"
- ASME Class 150-2500
- For severe operating conditions
- Custom designs
- Cast or forged
- Special body/trim alloys available

SchuF**Tank Emergency Shut-Off Valves**

- Designed for storage tanks, as required by API 625
- Engineered to shut off on loss of power or valve damage
- Available in disc, bottom outlet, lift plug design styles

SchuF/Fetterolf**Cam-Set, Cam-Slide, Stacey Line Blinds**

- Up to 64"
- ASME Class 150-2500
- Positive isolation; fast changeover
- Cam-Set/Slide: no flange separation
- Butt weld & flanged ends
- Carbon & stainless steel
- Customization available on request

SOMAS**Ball Segment Valves**

- 1"-10" standard, up to 28"
- ASME Class 150-600
- Control & on/off
- Stainless steel & exotic alloys
- Metal & soft seated
- Available in wafer & flanged
- Low noise & V groove trim options

SOMAS**Butterfly Valves**

- 3"-48"
- ASME Class 150-600
- High-performance, triple offset
- Torque seated
- Stainless steel & exotic alloys
- Isolation & control
- Metal & soft seated
- Available in wafer, lug & flanged

SOMAS**SKV Ball Valves**

- 1"-20"
- ASME Class 150-300
- Full cylindrical bore for max flow
- Stainless steel & exotic alloys
- PTFE(Class VI) or HiCo(Class V) seat
- Flanged
- Hard chrome or HiCo plated ball



Value-Added Services

- 100s of solutions for projects & day-to-day
- Engineered valve solutions—we can help
- Factory certified service department
- On-site & in-house service & repair
- Virtual or in-person maintenance training
- Sizing and selection support
- Complete valve assemblies
- All suppliers meet rigorous quality standards



Mounting & Configuration of All Major Actuator Brands



Western Team

Manitoba	126
Saskatchewan & Alberta North	189
Alberta South	162
Alberta Central	183
British Columbia	162

Ext

Eastern Team

Atlantic Canada	131
Quebec	186
Ontario North & East	181
Ontario South West	176

Ext

1-800-268-3508
armourvalve.com
sales@armourvalve.com

Connect on LinkedIn

Follow on Twitter