


**Armour Valve**

# Product Catalog

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## ARI

### Air Release Valves



- 1"-8"
- High air discharge release
- Patented conical body design
- Threaded & flanged ends
- Combination air/vacuum
- Kinetic/automatic air release

## Boehmer

### District Heating 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

## 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 or buried service
- Emergency PMSS sealing system

## 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

## 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

## 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

## 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

## 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

## 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

## Brugg Pipes

### PREMANT Pre-insulated Rigid Pipe



- ¾" - 40" (DUO to 8"), 11.9m lengths
- 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

## Conval Inc.

### 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 Inc.

### 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 Inc.

### 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 Inc.

### 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 Inc.

### 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 Inc.

### 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 Inc./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

### DeltaP Valve® (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 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

## Fossil Power Systems

### Aquarian Visual Gauges



- Ported gauge: 3000psi
- Flat glass: 1000/2000psi
- Reflex glass: 350/650psi
- LED illuminators
- Double mica ported gauge design
- ASME certified

## HILTAP

### Burst Pups



- 2⅜", 2⅞", 3½", 4½", 5", 5½"
- 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



- ¾", 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



- 1¼"-8" (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 7000psi

## 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

## 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-pinned
- 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" wafer, 1"-28" flanged
- 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

## Stafsjo

### D2G Knife Gate Valves



- 4"-24"
- Full bore bi-directional shut-off
- Two gates close towards each other for fast operation
- Suited for contaminated media or reject handling
- For use in vertical pipes only

## Stafsjo

### HG Knife Gate Valves



- 3"-32"
- Bi-directional operation
- Suited for high-consistency media
- Easy maintenance, modular design
- Through-going gate
- ANSI 125/150 flange mounting
- Ductile iron & SS body options

## Stafsjo

### MV Knife Gate Valves



- 2"-40"
- One piece body design up to 24"
- Wide range of applications
- Easy maintenance, modular design
- Metal & soft seats
- Unidirectional
- Ductile iron & SS body options

## Stafsjo

### RKO Knife Gate Valves



- 4"-24"
- Round inlet & square outlet options
- For extreme process conditions
- Design minimizes clogging/choking
- High-density cleaner valves
- Scavenger dump valves
- Ductile iron & SS body options

## Stafsjo

### RKS Knife Gate Valves



- 8"-40"
- Square or rectangular opening
- Low-pressure water, wastewater & slurry systems
- Liquids & materials (powders, pellets or similar)
- Stainless steel, welded construction
- Brass or nitrile seating options

## Stafsjo

### SLV/F/H/X Knife Gate Valves



- 2"-48"
- H: up to 20 bar (290 psi)
- X: up to 50 bar (725 psi)
- V: fully lugged F: fully flanged
- Slurry & abrasive applications
- Bi-directional
- Full bore for max flow capacity
- One or two piece body design

## Stafsjo

### TVE Knife Gate Valves



- 3"
- ANSI 150 Class
- Transmitter & instrument isolation
- All stainless steel construction
- Stainless steel ratchet mechanism
- Special tank connection flange

## Stafsjo

### WB14/WB14E Knife Gate Valves



- 2"-48"
- Bi-directional and cavity free
- Ductile iron or stainless steel body
- One or two piece body design
- Zero leakage up to 10 bar (150 psi)
- Fully-lugged, non-rising stem
- Resilient seat (EPDM, nitrile)

## Zwick

### Triple Offset (TOV) Butterfly Valves



- 2"-88" (DN50-2200)
- ASME Class 150-900
- Metal to metal seat
- Bi-directional
- Double block & bleed
- Tilted disc check valve
- Gate valve face-to-face dimensions
- Fire safe BS 6755 & API 607



## Complete Valve Assembly & Testing

From sizing and selection to adaption and mounting, we provide a single source for complete valve assemblies for your most demanding applications.

We mount and stroke test all completed valve assemblies to ensure proper function and that required stroke times are met. Inspection reports are available upon request.

## In-house or On-site Service & Repair

Our technicians are factory-trained by our manufacturers and are available to perform routine maintenance and repair of Armour Valve supplied assemblies either at our warehouse or on-site at your facility.



We mount all major actuator brands including:



### Western Team

Manitoba	Ext 126
Saskatchewan	175
Alberta South	162
Alberta Central & North	183
British Columbia	162

### Eastern Team

Atlantic Canada	Ext 131
Quebec	186
Ontario East	181
Ontario West	176

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