

INSTRUMENTATION Application

VU6 series Severe Service Union Bonnet Valves



- MWP : 6000psig/413bar
- MWT : -53~232°C/-65~450°F (Optional Grafoil packing up to 648°C/1200°F)
- Size : Kor-Lok 1/4"~1" OD & 6~12mm OD, Pipe Thread 1/8"~1", Welded Systems
- 316SS, Alloys
- Integral bonnet design ensuring high integrity seal under severe service
- Panel mounting without packing disruption

VC series General, High Pressure, Compact, Adjustable Check Valves



- MWP : 3000psig/207bar (VC3, VC3C, VC3CA series), 6000psig/413bar (VC6 series)
- MWT : -53~232°C/-65~450°F
- Size : Kor-Lok 1/8"~1" OD & 3~25mm OD, Pipe Thread 1/8"~1", UCR 1/4"~1/2"
- 316SS, Brass, Alloys
- VC3 3000psig general purpose
- VC6 6000psig high pressure
- VC3C 3000psig compact 1 piece body
- VC3CA compact adjustable cracking pressure

VR series Low & High Pressure Relief Valves



- MWP : 3000psig/207bar (VR3 series), 6000psig/413bar (VR6 series)
- MWT : -23~204°C/-10~400°F
- Size : Kor-Lok 1/4"~1/2" OD & 6~12mm OD, Pipe Thread 1/4"~1/2"
- 316SS
- VR3 3000psig with CP 10~250psig
- VR6 6000psig with selective CP 350~6000psig
- Low friction bonnets increasing accuracy and improving consistency of cracking & reseal pressure

VMT series Metering Valves



- MWP : 2000psig/137bar (VMTS series), 1000psig/69bar (VMTL & VMTM series)
- MWT : -23~204°C/-10~400°F (Optional Buna-N O-ring up to 148°C/300°F)
- Size : Kor-Lok 1/8"~1/4" OD & 3~6mm OD, Pipe Thread 1/8"~1/4", UCR 1/4"
- 316SS
- Fine orifice and close thread tolerance offering accurate control
- Panel mounting for easy installation

VE series Industrial Excess Flow Valves



- MWP : 6000psig/413bar
- MWT : -23~204°C/-10~400°F
- Size : Kor-Lok 1/4"~1/2" OD & 6~12mm OD, Pipe Thread 1/4"~1/2"
- 316SS, Alloys
- Two piece body enabling simple spring and seal maintenance
- High flow capacity
- Automatic reset by the bleed vent

VF series Micron In-Line and Tee Filters



- MWP : 3000psig/207bar (VFI series), 6000psig/413bar (VFT series)
- MWT : -23~204°C/-10~400°F
- Size : Kor-Lok 1/4"~1/2" OD & 6~12mm OD, Pipe Thread 1/4"~1/2"
- Filtration range : 0.5, 2, 7, 15, 60, 90
- Size : Kor-Lok 1/8"~1/2" OD & 3~12mm OD, Pipe Thread 1/8"~1/2"
- 316SS, Brass
- VFI series In-line type
- VFT series Tee type
- Low friction bonnets increasing accuracy and improving consistency of cracking & reseal pressure

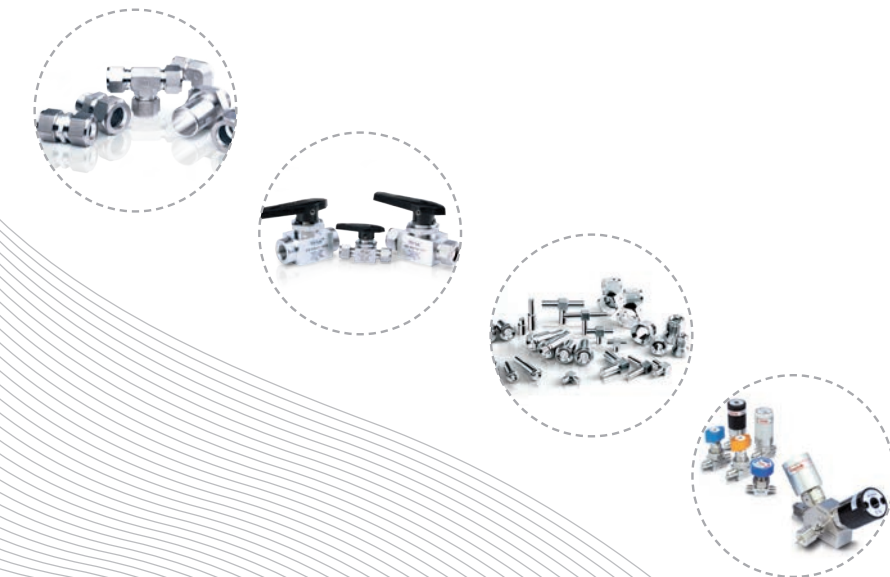
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INSTRUMENTATION ULTRA HIGH PURITY FITTINGS & VALVES

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Ball Valves

VB1 series General Ball Valve



- MWP : 1000psig/69bar with PTFE seats, 2000psig/137bar with TFM seats
- MWT : 65°C/150°F with PTFE seats, 170°C/338°F with PEEK seats
- Size : Kor-Lok 1/4"~1" OD, Pipe Thread 1/4"~1" Female
- 316SS
- Lever, Butterfly, Bar Handles

VB6B series High Pressure Bar Stock Ball Valves - CNG



- MWP : 6000psig/413bar
- MWT : -30~180°C/-22~355°F
- Size : Kor-Lok 1/4"~1" OD, Pipe Thread 1/4"~1"
- 316SS
- Robust body with max orifice
- Floating ball and blow out proof design
- 2 way shut off and 3 way switching
- CNG application with CNG compatible materials

VB3 series Instrumentation Ball Valves



- MWP : 3000psig/206bar
- MWT : 65°C/150°F
- Size : Kor-Lok 1/8"~3/4" OD & 3~20mm OD, Pipe Thread 1/8"~1/2"
- 316SS, Brass
- Compact designed one piece body
- 2 way shut off and 3 way switching
- Minimized valve (VB3C) with 2,3 way and angle pattern

VB6F series High Pressure Forged Multi Purpose Ball Valves



- MWP : 6000psig/413bar
- MWT : -54~177°C/-65~350°F
- Size : Kor-Lok 1/4"~1/2" OD & 3~12mm OD, Pipe Thread 1/8"~1/2"
- 316SS, Alloys
- Compact forged body
- Blow out proof design
- 2 way shut off and 3 way switching

Needle Valves

VN5 series Integral Bonnet Needle Valves



- MWP : 5000psig/340bar
- MWT : -53~232°C/-65~450°F (Optional PEEK packing up to 315°C/600°F)
- Size : Kor-Lok 1/8"~1" OD & 6~25mm OD Pipe Thread 1/8"~1", Welded System
- 316SS, Brass, Alloys
- Compact designed forged body
- Straight and Angle patterns
- Hardened stem for long cycle life

VN6 series High Pressure Integral Bonnet Bar Stock Needle Valves



- MWP : 6000psig/413bar
- MWT : -53~232°C/-65~450°F (Optional PEEK packing up to 315°C/600°F)
- Size : Kor-Lok 1/4"~1/2" OD & 6~12mm OD, Pipe Thread 1/4"~1/2"
- 316SS, Alloys
- Forged body and hardened stem for long cycle life
- Integral bonnet design eliminating unintentional stem back-out

UHP(Ultra High Purity) Application

UHP Valves

VCD series Diaphragm Valves



- MWP 17bar, 209bar
- Low & High Pressure
- Manual & Pneumatic Operation
- Shut Off & Block Type
- Size : 1/4" ~ 3/4"
- End Connection : Kor-Lok Port, UCR Butt Weld, Rotatable Male UCR
- UHP Grade 316LSS Materials
- Elgiloy diaphragm material
- Minimal particle generation & moisture contribution

VCB series Bellows Valves



- MWP 17bar
- Low Pressure
- Manual & Pneumatic Operation
- Bar Stock and Forged Body
- Size : 1/4" ~ 1", 15A ~ 50A
- End Connection : Kor-Lok Port, UCR Butt Weld, Flanged
- UHP Grade 316LSS Materials
- Electro-polished bellows
- Minimal particle generation & moisture contribution

VCC series Welded Check Valves



- MWP 206bar
- Fully Welded Construction
- Size : 1/4" ~ 1/2"
- End Connection : Kor-Lok Port, UCR Butt Weld
- UHP Grade 316LSS Materials
- Elgiloy spring material
- Noise free operation

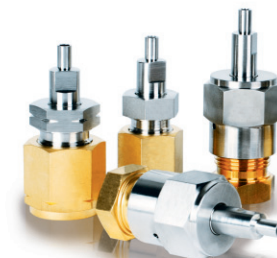
UHP Fittings

Weld & UCR Fittings



- Size : 1/8"~1"
- End Connection : Kor-Lok Port, UCR, Butt Weld, Pipe Threads
- UHP Grade 316LSS Materials
- Superior finished inner surface by Kor-Lok's own EP and special cleaning process

Cylinder Connectors



- CGA, JIS, DISS Types
- Gland Size : 1/4" (standard), 3/8" & 1/2" (option)
- UHP Grade 316LSS Materials
- Patented bearing inclusive design enabling easy and safety installation

Pipe/Tube Fittings & Flanges



- Size : Pipe 8A~300A, Tube 1/4"~2"
- 304SS, 316SS, 316LSS
- BA, EP Grades
- Superior surface finished BA & EP grades
- Exact dimensional tolerance

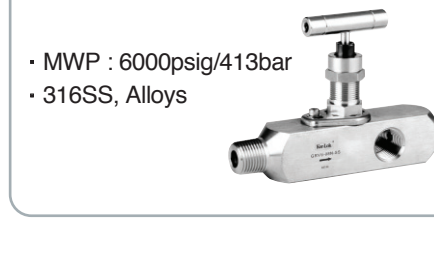
Other Valves

VM series Manifolds Valves



- MWP : 6000psig/413bar
- MWT : -53~232°C/-65~450°F (Optional Grafoil packing up to 648°C/1200°F)
- 316SS, Alloys
- Remote mounting type
- Direct mounting type with flanged
- Bar stock body and hardened stem for long cycle life
- 2-1/8" (54mm) port centerline ensuring proper instrument alignment

VG series Gauge & Gauge Root Valves



- MWP : 6000psig/413bar
- 316SS, Alloys

VL series Bleed Valves



- MWP : 10000psig/689bar
- 316SS, Alloys

Gaugeable
Kor-Lok Tube Fittings & Valves are manufactured using tight tolerances for quality and consistency.

Corrosion Resistant
Kor-Lok ferrules are highly corrosion resistant due to a special hardening process.

Kor-Lok certifications include the following: ISO 9001, Lloyd's Register Type Approval and ABS Certification.

Fittings

Instrumentation Tube Fittings



- Size : 1/16"~2" OD, 2mm~50mm OD
- End Connection : Kor-Lok Port, Pipe Threads, Welded Systems, Stub
- 316SS, Brass, Alloy
- Excellent finish level
- Radius junction in every elbow
- Kor-Lok own special hardening and heat treatment process

Precision Pipe Fittings



- 1/8"~1"
- 316SS, Alloys

Hose/Push-On Connectors



- 1/8"~1"
- 316SS
- Hose & Push-On

Fusible Connectors



- 1/4"~1/2"
- 316SS
- Plug & Adapter Types
- 160~281°F

Seamless & Welded Tubing



- Size : 1/8"~1-1/2" OD, 6mm~25mm OD
- 304, 316, 317, 321, 904 & Alloys
- Straight and Coiled types

- Excellent finished inner & outer surface
- Exact dimensional tolerance
- Hardness for proper tubing
- Cold drawn and bright annealed process
- 100% ECT (Eddy Current Test)



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