**VB1 series**

**General Ball Valve**
- MWP: 1000 psig/69 bar with PTFE seats, 2000 psig/137 bar with TFM seats
- MWT: 65°C/150°F with PTFE seats, 170°C/338°F with PEEK seats
- Size: Uni-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: 6000 psig/413 bar
- MWT: -30°C to 180°C/ -22°F to 355°F
- Size: Uni-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

**VB6F series**

**High Pressure Forged Multi Purpose Ball Valves**
- MWP: 6000 psig/413 bar
- MWT: -54°C to 177°C/ -65°F to 350°F
- Size: Uni-Lok 1/4”~1/2” OD & 3~12 mm OD, Pipe Thread 1/8”~1/2”
- 316SS, Alloys
- Compact forged body
- Blow out proof design
- 2 way shut off and 3 way switching

**VB3 series**

**Instrumentation Ball Valves**
- MWP: 3000 psig/206 bar
- MWT: 65°C (150°F)
- Size: 1/2”~1”
- End Connections: Uni-Lok Tube Fitting, Female NPT or ISO 7/1(PT), Butt Weld, Socket Weld
- Body Materials: 316 SS
- Compact designed one piece body
- 2 way shut off and 3 way switching
- Minimized valve (VB3C) with 2,3 way and angle pattern

**VBM1 series**

**Master Key Hex Ball Valves**
- MWP: 1000 psig / 69 bar with PTFE
- MWT: 65°C (150°F)
- Size: 1/2”~1”
- End Connections: Uni-Lok Tube Fitting, Female NPT or ISO 7/1(PT), Butt Weld, Socket Weld
- Body Materials: 316 SS
- Locking handle on open or Close Positions
- Compact handle design
- Handle Low operating torques
INSTRUMENTATION Application

**VN5 series**
- Integral Bonnet Needle Valves
  - MWP: 5000psi/340bar
  - MWT: -53~232°C/-65~450°F (Optional PEEK packing up to 315°C/600°F)
  - Size: Uni-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: 6000psi/413bar
  - MWT: -53~232°C/-65~450°F (Optional PEEK packing up to 315°C/600°F)
  - Size: Uni-Lok 1/4”~1/2” OD & 6~12mm OD, Pipe Thread 1/4”~1/2”, Welded System
  - 316SS, Alloys
  - Forged body and hardened stem for long cycle life
  - Integral bonnet design eliminating unintentional stem back-out

**VU6 series**
- Severe Service Union Bonnet Valves
  - MWP: 6000psi/413bar
  - MWT: -53~232°C/-65~450°F (Optional Grafoil packing up to 648°C/1200°F)
  - Size: Uni-Lok 1/4”~1” OD & 6~12mm OD, Pipe Thread 1/4”~1”, Welded Systems
  - 316SS, Alloys
  - Integral bonnet design ensuring high integrity seal under severe service
  - Panel mounting without packing disruption

**VMT series**
- Metering Valves
  - MWP: 2000psi/137bar (VMTS series) 1000psi/69bar (VMTL & VMTM series)
  - MWT: -23~204°C/-10~400°F (Optional Buna-N O-ring up to 148°C/300°F)
  - Size: Uni-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

**VM series**
- Manifolds Valves
  - MWP: 6000psi/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: 6000psi/413bar
  - 316SS, Alloys
**INSTRUMENTATION Application**

### VC series
- **General, High Pressure, Compact, Adjustable Check Valves**
  - MWP : 3000psig/207bar (VC3, VC3C, VC3CA series), 6000psig/413bar (VC6 series)
  - MWT : -53~232°F/65~450°F
  - Size : Uni-Lok 1/8” 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

### VE series
- **Industrial Excess Flow Valves**
  - MWP : 6000psig/413bar  • MWT : -23~204°C/-10~400°F
  - Size : Uni-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

### VR series
- **Low & High Pressure Relief Valves**
  - MWP : 3000psig/207bar (VR3 series), 6000psig/413bar (VR6 series)
  - MWT : -23~204°C/-10~400°F
  - Size : Uni-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

### VF series
- **Micron In-Line and Tee Filters**
  - MWP : 3000psig/207bar (VFI series), 6000psig/413bar (VFT series)
  - MWT : -28~482°F/-20~900°F  • Filtration range : 0.5, 2, 7, 15, 60, 90
  - Size : Uni-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

### VGT3 series
- **Instrumentation Gate Valves**
  - MWP : 3600 psig / 248 bar
  - MWT : -23°C~+232°C(-65°F~350°F) with PTFE Packing to 648°C (1200°F) with Grafoil Packing  • Orifice : 10.0  • Size : 1/2”
  - End Connections : Uni-Lok Tube Fitting, Female / Male NPT or ISO 7/1(PT)
  - Body Materials : 316 SS, A105, Alloy 400
  - Compact forged body design  • Back seat design provides anti-blow out of stem and seal
  - The hard faced seat ring and wedge enable longer life cycle  • Packing bolt allows easy packing adjustment for leak tight seal
  - Handle Low operating torques

### VP3 series
- **Plug Valves**
  - MWP : 3000 psig / 206 bar  • MWT : -23°C~204°C(-10°F~400°F)
  - Orifice : 4.4 / 7.2  • Size : 1/4”~1/2”
  - End Connections : Uni-Lok Tube Fitting, Female / Male NPT or ISO 7/1(PT)
  - Body Materials : 316 SS
  - Simple design  • Quarter-Turn operating  • Handle Low operating torques
**Instrumentation Application**

**VL series**

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

**VPR series**

**Pressure Reducing Valves**
- MWP: 5000psig/340bar
- Ideal valve for sampling lines with VBR

**VBR series**

**Back Pressure Regulator**
- Back pressure range: 0~125psig
- Ideal regulator for sampling lines with VPR

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

**PTFE Fittings**
- MWP: 125psig/8.6bar
- 1/4" ~ 1/2", 6 ~ 12mm

**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)
**UHP (Ultra High Purity) Application**

**VC D series**

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

**VC B series**

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

**VC C series**

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

**RC series**

UHP Regulator
- Max. Inlet Pressure: 600, 3500 psig
- Outlet Pressure: 30, 60, 100, 150 psig
- Size: 1/4" ~ 1/2"
- End Connection: Uni-Lok Port, UCR, Butt Weld
- Body Materials: UHP Grade 316LSS Materials
- Low internal volume
- Minimal particle generation & moisture contribution
- Excellent stability of set pressure with accuracy, sensitivity

**Casting Bellows Valves**
- MWP: 10 Kg f /cm²
- MW T: -10°C ~ 80°C
- Size: 50A, 65A, 80A, 100A, 125A, 150A ~ 450A
- End Connections: Butt Weld, Flange
- Body Materials: SCS 16 (13)
**UHP (Ultra High Purity) Application**

---

**Weld & UCR Fittings**

- Size: 1/8”~1”
- End Connection: Uni-Lok Port, UCR, Butt Weld, Pipe Threads
- UHP Grade 316LSS Materials
- Superior finished inner surface by Uni-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

---

**Bend Fittings**

- Size: Pipe 8A~500A, Tube 1/4”~2”
- 304SS, 316SS, 316LSS
- BA, EP Grades
- Superior surface finished BA & EP grades
- Exact dimensional tolerance

---

**GF series**

**Ultra High Purity Gas Filter**

- Removal Rating: >99.9999999% at 0.003㎛
- Rated Flow: 15 SLPM, 30 SLPM, 60 SLPM
- Max. Working Pressure: 206 bar (3000 psig)
- Max. Operating Temperature: Ambient to 400°C
- External Leakage Allowance - He: ≤1x10^-9 atm.cc/s

---

CONNECTS THE WORLD SINCE 1984
WITH THE SAME ATTITUDE OF THE TIME OF BEGINNING

(주) 유니락

Headquarters & 1st Factory
152 Block-12 Lot, Namdong Indus-Park, 725-13, Gijang-Dong, Namdong-Gu, Incheon, Korea
Tel : +82-32-822-6600
Fax : +82-32-821-6604

2nd Factory
114 Block-8 Lot, Namdong Indus-Park, 884-7, Gijang-Dong, Namdong-Gu, Incheon, Korea
Tel : +82-32-433-6601
Fax : +82-32-441-7600

본사 및 제1공장
인천광역시 남동구 고잔동 725-13번지
남동공단 152블럭 12롯트 용 405-822
전화 : 032-822-6600
팩스 : 032-821-6604

제2공장
인천광역시 남동구 고잔동 884-7번지
남동공단 114블럭 8롯트 용 405-818
전화 : 032-433-6601
팩스 : 032-441-7600

본사 및 제1공장
인천광역시 남동구 남동동로 64번길 37
남동공단 152블럭 12롯트

제2공장
인천광역시 남동구 남동서로 83번길 87
남동공단 114블럭 8롯트

<도로명 주소>
본사 및 제1공장
인천광역시 남동구 고잔동 725-13번지
남동공단 152블럭 12롯트 용 405-822
전화 : 032-822-6600
팩스 : 032-821-6604

제2공장
인천광역시 남동구 고잔동 884-7번지
남동공단 114블럭 8롯트 용 405-818
전화 : 032-433-6601
팩스 : 032-441-7600