
VR Series Tube Fittings

- DK-Lok VR Series tube fitting is an innovative solution with vibration resistance and visual check features. VR series fittings get rid of any concern on unwanted nut-rotation due to constant vibration.



- Red ring design allows visual check for complete nut installation of 1-1/4 turns, assuring fool-proof and leak tight installation.

- Patented Hook design is incorporated both on nut and body of VR series fitting, locking up the nut on the fitting body with 1-1/4 turns after the finger tight.



- After complete installation, red ring of the fitting body should be covered by nut and disappear.



- **Size:** 1/4" , 3/8" , 1/2" , 3/4" , 1"
6M, 8M, 10M, 12M, 15M, 16M, 18M, 20M, 22M, 25M
- UHP applications: 1/4" ~ 1" , 6M ~ 25M
- Instrument applications: 1/4" ~ 1" , 6M ~ 25M
- **Material:** SS316
ASTM A 276, A479
ASME SA 479, JIS G4303

UHP Fittings, Tube & Pipe Fittings

UHP Fittings

(Weld & DCR Fittings)

- **Size:** 1/4", 3/8", 1/2", 3/4", 1"
- **Micro type:** 1/4" ~ 3/4"
- **TBW long type:** 1/4" ~ 1"
- **Gland & Union:** 1/4" ~ 1"
- **Surface finish:** BA, EP
- **Gasket material:** ASTM B162, ASTM A167
- **SS316L (SL), SS316L VAR (DL)**
 - JIS G4303, G3214, G5121, G3459, G3463
 - ASTM A479, A276, A182, A351, A312, A269

Special material: Hastelloy C-276, Monel 400



VC (Visual Check) DCR Fittings

- **Size:** 1/4", 3/8", 1/2", 3/4", 1"
- **Material**
 - Female Nut : SS316/316L
 - Gasket : SS316L / Nickel



Slotted Nut w/
Installation check mark



Gasket w/
Material type ID



Diaphragm Valves – Low Pressure

- **Quality Control with SPC (Statistical Process Control)**
- **Fluid Specific seat materials (PCTFE, PFA, PI)**
- **Additional Multi-port options (3, 4, 5 – port) available**



Specifications

Max Working	145psig (10bar)	250psig (17.2bar)	270psig (18.6bar)
Size	1/4", 3/8", 1/2", 3/4"	1/4"	1/2", 3/4", 1"
Cv	0.3 , 0.7	0.27	2.8 , 3.5
Surface Finish	BA, EP		
Material	SS316L(SL), SS316L VAR(DL)		

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Diaphragm Valves – High Pressure

- Quality Control with SPC (Statistical Process Control)
- Fluid specific seat materials (PCTFE, PFA, PI)
- Long life cycle for high flow rate version



Specifications

Max Working	3,000psig (206bar)	3,045psig (210bar)	3,500psig (241bar)
Size	1/4", 3/8", 1/2"	1/4"	1/4"
Cv	0.1 , 0.8	0.2	0.14 , 0.3
Surface Finish	BA, EP		
Material	SS316L(SL), SS316L VAR(DL)		

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Bellows Valves

- Long life cycle of the metal bellows under severe working conditions.
- Different surface roughness available (EP, BA, MP, AP)
- 100% oxygen cleaning



Specifications

Max Working	145psig (10bar)		
Size	1/4" ~ 1/2"	1/2", 3/4"	15A~50A(Forging) 65A~500A(Casting)
Cv	0.36 , 1.1	2.0, 2.8	2.9~
Surface Finish	AP, BA, EP		
Material	SS304(AP), SS316L(SL), SS316L VAR(DL)		

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Check Valves

- Choice of single-melt or double melt materials and surface finishes
- Various end connection options (Lok fitting, weld connection, male/female DCR)
- Welded-body design for reliable leak free performance



Specifications

Max Working Pressure	3,000psig (206bar)	4,700 ~ 6,000psig (413bar)
Size	1/4" ~ 1"	
Cv	0.55 ~ 4.7	
Surface Finish	BA, EP	
Material	SS316L(SL), SS316L VAR(DL), HC 276	
Seal Material	FKM, FFKM	

Regulators

- Quality Control with SPC (Statistical Process Control)
- Best-in-class regulator flow curve (outlet pressure vs flow rate)
- Spring less design for tied diaphragm version available



Specifications

Inlet Pressure	600psig (41bar)	3,500psig (241bar)	150psig (10.3bar)
Size	1/4", 1/2"		1/4"
Outlet Pressure	30, 60, 100, 150, 250psig		
Surface Finish	BA, EP		
Material	SS316L(SL), SS316L VAR(DL)		

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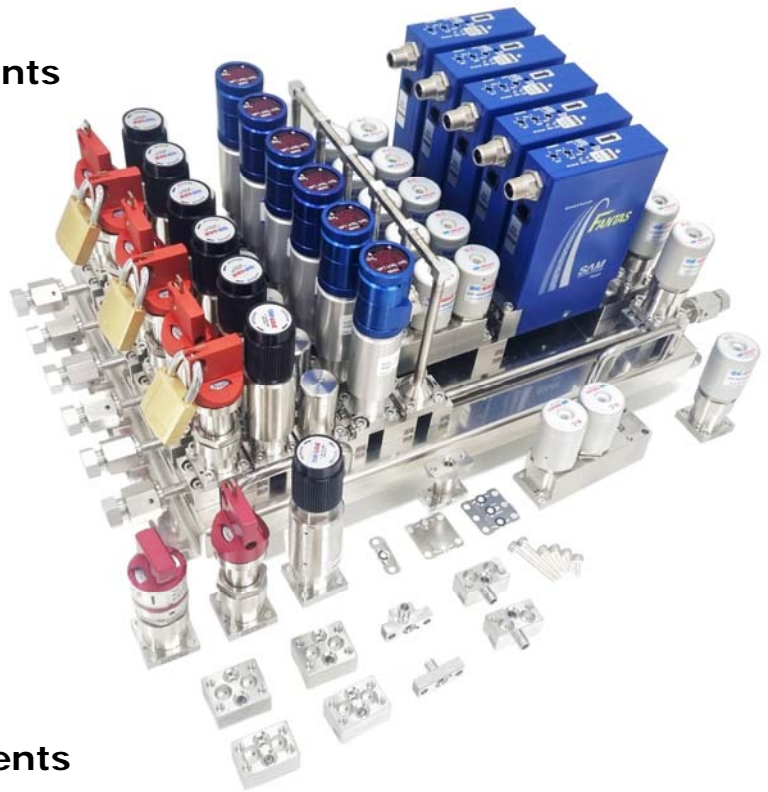
Integrated Gas Systems

- **Modular Substrate for Gas Delivery Systems Components**
- **1.125 inch W-Seal for Integrated Gas Systems SEMI Compliant Design**

Valves

Modular Substrate Components

Pneumatic Valve
Manual Valve
Pneumatic Block Valve
Check Valve
Metering Valve



Blocks & Gaskets

Modular Substrate Components

Base Block
Joint Block
W-Seal & C-Seal Gasket
Joint Bolt