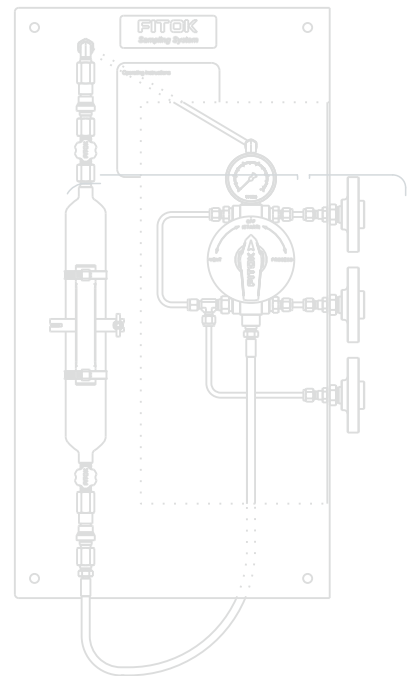
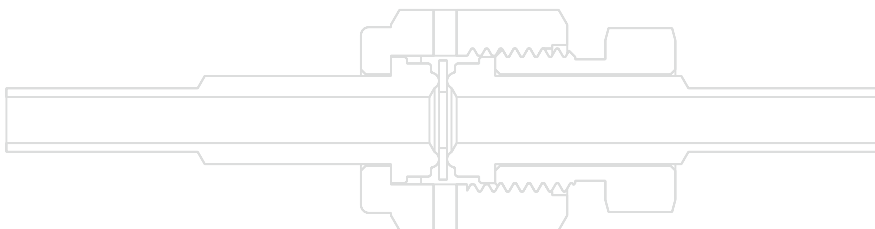
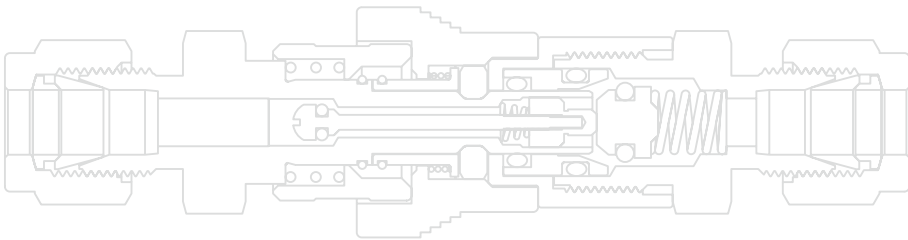


# FITOK

## COMPANY OVERVIEW



# About FITOK

Founded in 1998, FITOK Group has been a leading global supplier of instrumentation valves, fittings, and integrated systems, locating our factories in Germany, the USA, and China (Wuhan, Shenzhen, Suzhou), with inventory and sales service centers in Germany, the USA, China, and the UAE.

We manufacture and supply a comprehensive range of products spanning five distinct categories:

- General Instrumentation Valves and Fittings
- Medium & High Pressure Valves and Fittings
- High Purity & Ultra High Purity Products
- Sampling Systems
- Tubing

At FITOK, our mission is to provide the best quality products and the most professional services to our customers. Our product performance is guaranteed throughout every stage of our manufacturing process, from our tailor-made materials that are controlled more strictly than mere adherence to ASTM requirements to our production and testing exceeding industry standards.

Since our inception, FITOK has been applying sound quality control standards in all activities. FITOK holds system certifications of ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018. Our products have received certifications from various industry authorities and third-party inspection institutions worldwide, obtaining a diverse range of certificates. These certifications include but are not limited to TA-Luft, ABS, ASTM F1387, ISO 15848, TPED, CRN, DVGW, PED, API 607, DOT, EC 79 and ECE R110.

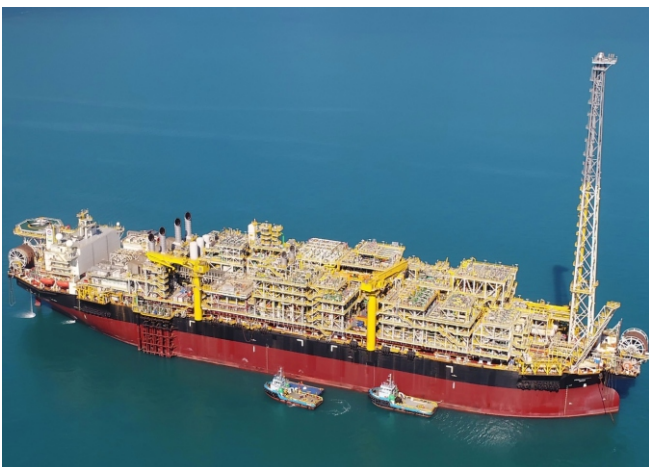
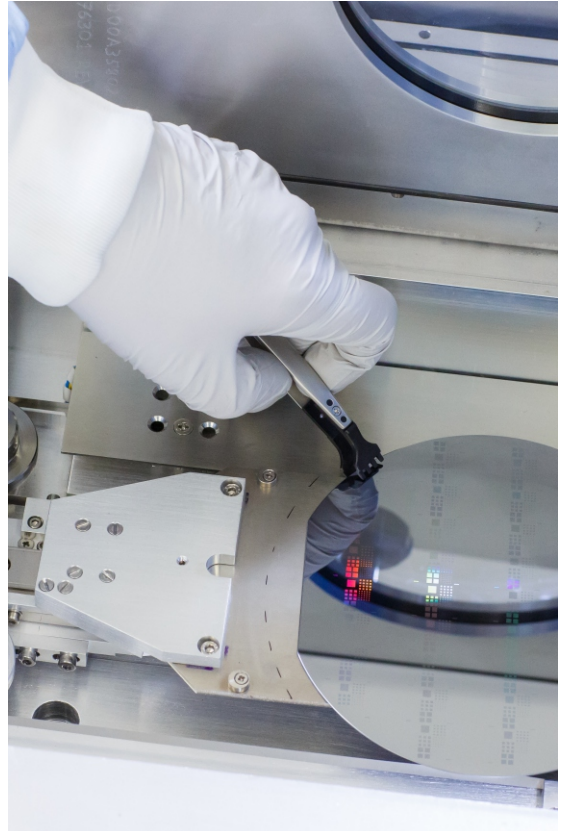
Leveraging our global facilities, we optimize the most cost-effective resources worldwide. Paired with flexible manufacturing systems, we deliver a wide range of the best quality products within a competitive lead time and the most professional services to our customers in an array of applications and industries.





# FITOK

## Industries Served

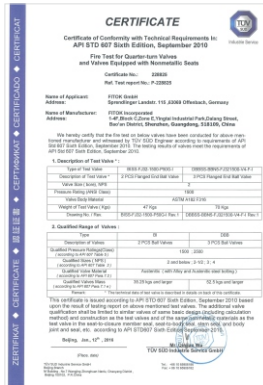




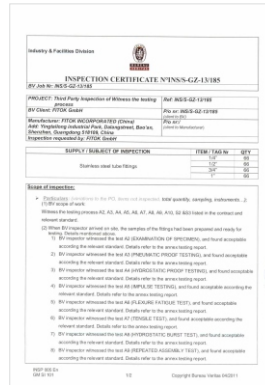
# Certificates



ABS



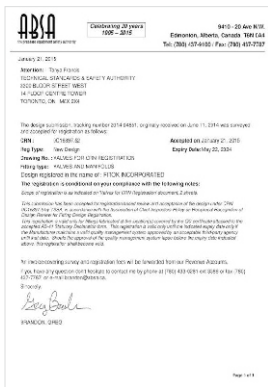
API 607



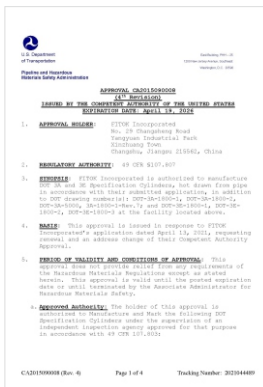
ASTM F1387



ATEX



CRN



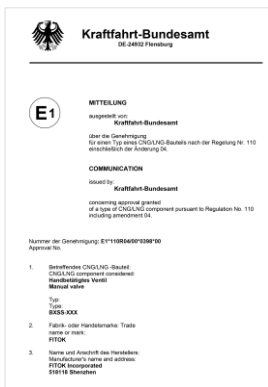
DOT



DVGW



EC 79



ECE R110



ISO 9001



ISO 14001



ISO 15848



ISO 45001



PED



TA-Luft



TPED



# FITOK

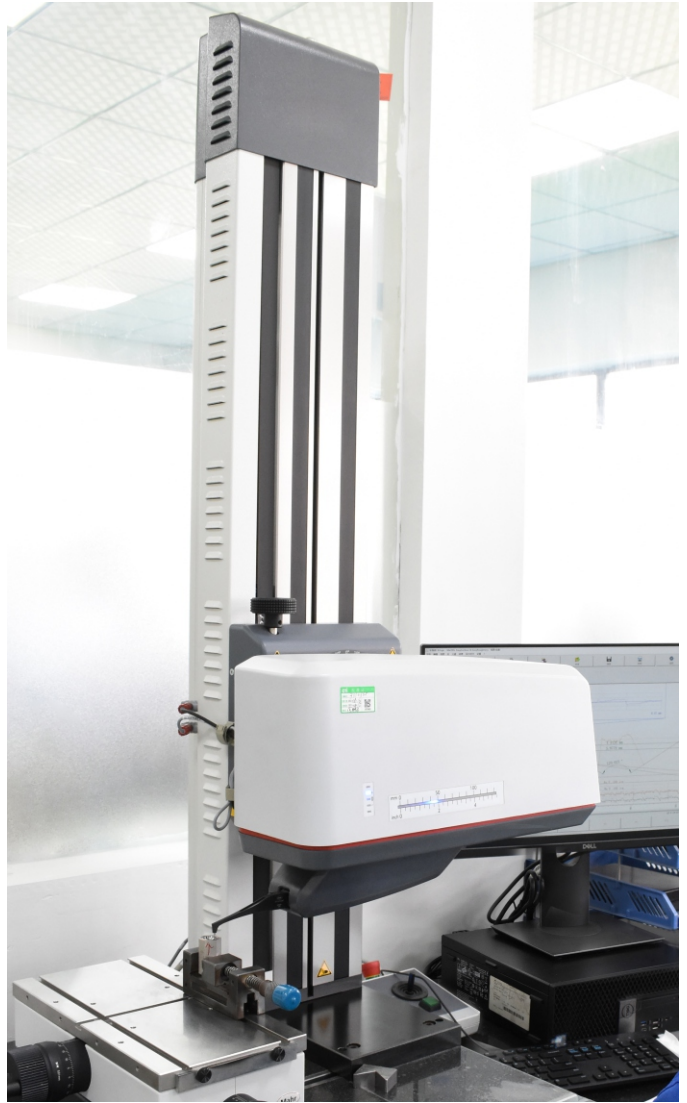
## Facilities and Equipment

### Manufacturing





## Inspection





## Products

### Tube Fittings

© 6D Series



### Pipe Fittings

© 6P Series



### 37° Flared Tube Fittings



### Weld Fittings

© 6W Series



### Vacuum Tube Fittings

© VL Series



### Vacuum Adapter Fittings

© VA Series



### Grease Fittings

© BSG, BHG, LSH, PIF, VFS and ICS Series



### Fusible Plugs

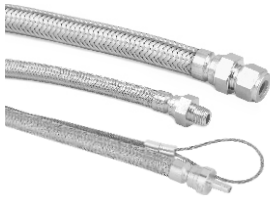
© FPP, FPT Series



## Hoses and Connectors

### © MH and MM Series

Metal flexible hoses



### © PS Series

PTFE-lined, stainless steel braided hoses



### © MP Series

Multipurpose push-on hoses



### © TH Series

Thermoplastic hoses



### © HC Series

Hose connectors and sleeves



## Calibration Fittings and Hoses

### © QH, QT, HQH and HQT Series



## Quick-Connects

### © QC Series

General service



### © QF Series

Full-flow



### © QV Series

Double-end shutoff high flow



### © QM Series

Miniature



### © QTM Series

PTFE-sealed



### © QP Series

Non-spill



### © QCA Series

Safe pressure release





## Ball Valves

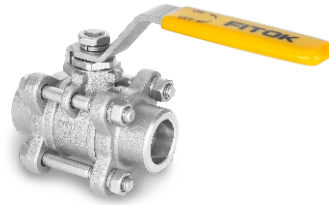
### © BF and BFH Series

Trunnion ball valves, working temperature as low as -40°F (-40°C)  
ECE R110 approval



### © BG Series

3-piece ball valves, working pressure up to 1000 psig (69 bar)



### © BH Series

3-piece ball valves, working pressure up to 3000 psig (207 bar)



### © BO Series

One-piece instrumentation ball valves, no dead zone



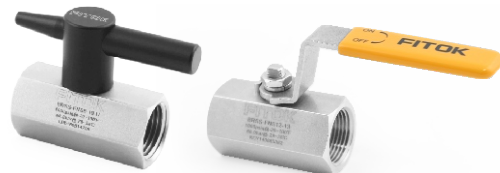
### © BP Series

Cold drawn bar ball valves, working pressure up to 10000 psig (690 bar)



### © BR and BRC Series

Hex bar stock ball valves



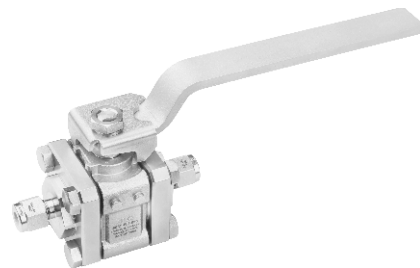
### © BV Series

High performance ball valves, working pressure up to 6000 psig, working temperature: -65°F to 450°F (-54°C to 232°C)



### © BK Series

High temperature metal-seated ball valves, working temperature up to 842°F (450°C)



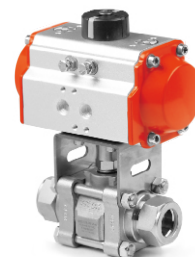
### © BU Series

Alternative fuel service ball valves, compatible with hydrogen and compressed natural gas applications.  
ECE R110 approval



## Automatic Control Ball Valves

Pneumatic actuated and electric actuated options for BF, BFH, BH, BO, BP and BV series



## Needle Valves

- © **NB Series**  
Screwed bonnet needle valves



- © **ND and NDH Series**  
Non-rotating stem needle valves



- © **NF and NFH Series**  
Forged-body needle valves



- © **NG and NGH Series**  
Integral bonnet needle valves



- © **NR and NRG Series**  
Rising plug valves



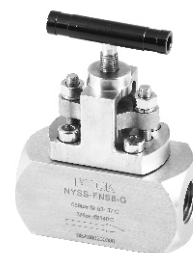
- © **NT Series**  
Toggle valves and pneumatic needle valves



- © **NU and NUH Series**  
Union bonnet needle valves



- © **NY Series**  
Outside screw and yoke (OS&Y) needle valves





## Plug Valves

© PV Series



## Metering Valves

© MS, MV, ML and MH Series



## Bellows-Sealed Valves

© SW and SU Series



## Proportional Relief Valves

© RV, RL and RM Series



## Bleed Valves

© RB Series



## Purge Valves

© RP Series



## Excess Flow Valves

© EV Series



## Anti-Siphon Back Pressure Check Valves

© CSV Series



## Check Valves

### Fixed Cracking Pressure

#### ◎ CV Series

Poppet type  
working pressure up to  
3000 psig (207 bar)



#### ◎ CH Series

Poppet type  
working pressure up to  
6000 psig (414 bar)  
ECE R110 approval



#### ◎ CO Series

One piece body



### Adjustable Cracking Pressure

#### ◎ CA Series



#### ◎ COA Series

One piece body



### All-Metal Construction

#### ◎ CL Series



## Filters

#### ◎ FT Series

Tee-type  
ECE R110 approval



#### ◎ FB Series

Bypass



#### ◎ FI Series

In-line



#### ◎ FW Series

All-welded in-line



#### ◎ FH Series

High capacity



## Gauge Valves and Instrumentation Manifolds

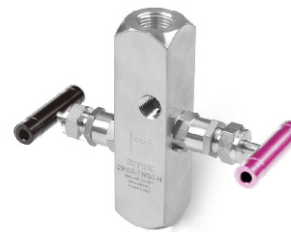
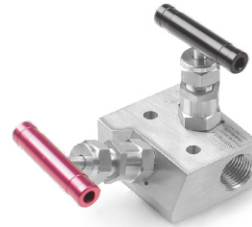
### Gauge Valves

© GV, GVH and GR Series



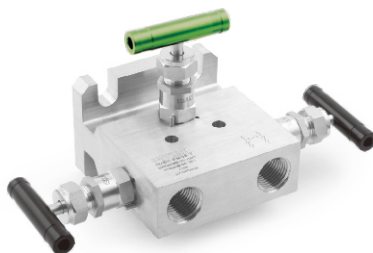
### 2-Valve Manifolds

© 2D, 2R, 2DH and 2RH Series



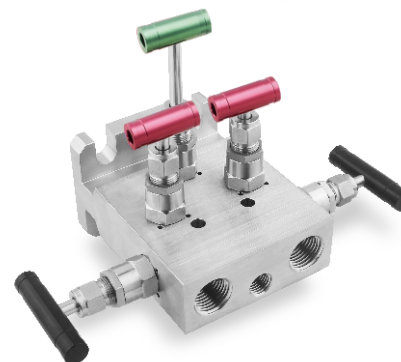
### 3-Valve Manifolds

© 3D, 3R, 3DH and 3RH Series



### 5-Valve Manifolds

© 5D, 5R, 5DH and 5RH Series





## Block and Bleed Valves

© BB, DB, SB and DBB Series



## Air Headers and Distribution Manifolds

© AH and CM Series

Modular structure of patented design



## Condensate Pots

© CP Series



## SilcoNert® 2000 (Sulfinert®) Coated Products



## Pressure Gauges

© GA, GB and GC Series



## Tools and Accessories

### Hand Tube Benders

© HTB Series



### Tube Cutters

© FTC Series



### Manual Presetting Tools

© MPT Series



### Hydraulic Presetting Tools

© HPT Series



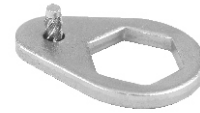
### Tube Deburring Tools

© TDT Series



### Bulkhead Retainers

© BR Series



### Gap Inspection Gauges

© GIG Series



Individual size



Multiple sizes

### Tee Wrench

© TWR Series

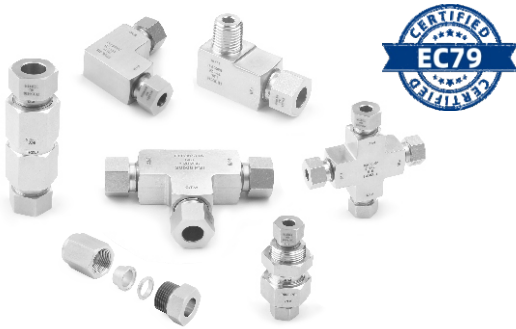




## Tube Fittings

### © 20D Series

Working pressure: 10000 - 20000 psig (690 - 1379 bar)



## Medium Pressure Fittings

### © 20M Series

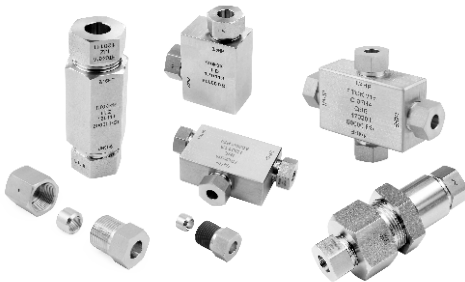
Working pressure: 20000 psig (1379 bar)



## High Pressure Fittings

### © 60H Series

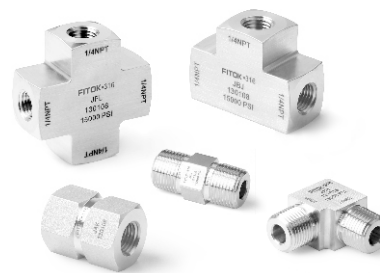
Working pressure: 60000 psig (4137 bar)



## Pipe Fittings

### © PMH Series

Working pressure: 10000 - 60000 psig (690 - 4137 bar)



## Adapter Fittings

### © AMH Series

Working pressure: 10000 - 60000 psig (690 - 4137 bar)



## Quick Couplings

### © HQP, HQB, HQS and HQC Series

Working pressure: 10000 - 30000 psig (690 - 2068 bar)



## Medium and High Pressure Hoses

### © HHP Series

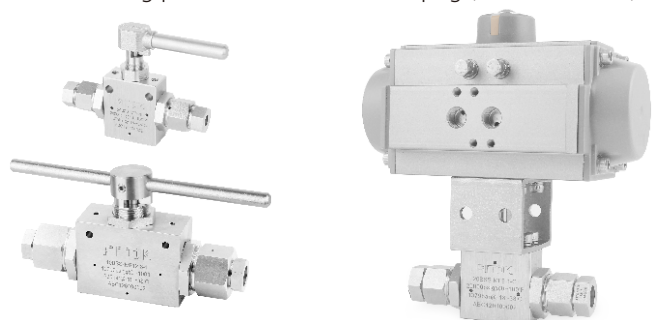
Working pressure: 10000 - 46400 psig (690 - 3200 bar)



## Ball Valves

### © 10B, 15B and 20B Series

Working pressure: 10000 - 20000 psig (690 - 1379 bar)



## Needle Valves

© 10N, 15N, 20N, 30N and 60N Series

Working pressure: 10000 - 60000 psig (690 - 4137 bar)



## Check Valves

© 10C, 15C, 20C and 60C Series

© 10CO, 15CO, 20CO and 60CO Series

Working pressure: 10000 - 60000 psig (690 - 4137 bar)



## Metering Valves

© 15M, 30M and 60M Series

Working pressure: 15000 - 60000 psig (1034 - 4137 bar)



## Relief Valves

© HSR, HMR and HAR Series

Working pressure: 20000 - 60000 psig (1379 - 4137 bar)



## Bleed Valves

© 15BV, 20BV and 30BV Series

Working pressure: 15000 - 30000 psig (1034 - 2068 bar)



## Block and Bleed Valves

© 15BN, 20BN, 20DBN and 15DBB Series

Working pressure: 15000 - 30000 psig (1034 - 2068 bar)



## Line Filters

© 10FD, 15FD, 20FD and 60FD Series

© 10FC, 15FC, 20FC and 60FC Series

Working pressure: 10000 - 60000 psig (690 - 4137 bar)



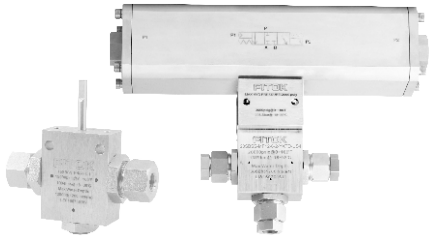


## Subsea Valves

### Subsea Ball Valves and Subsea Hydraulic Ball Valves

- © 10SB, 15SB and 20SB Series

Working pressure: 10000 - 20000 psig (690 - 1379 bar)



### Subsea Check Valves

- © 10SC, 10SCO, 15SC, 15SCO, 20SC and 20SCO Series

Working pressure: 10000 - 20000 psig (690 - 1379 bar)



### Subsea Needle Valves and Subsea Hydraulic Needle Valves

- © 15SN and 20SN Series

Working pressure: 10000 - 20000 psig (690 - 1379 bar)



### Subsea Hydraulic Directional Control Valves

- © 15SDC Series

Working pressure: 10000 - 20000 psig (690 - 1379 bar)

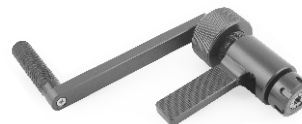


## Tools

- © Hydraulic Presetting Tools



- © Manual Coning Tools



- © Manual Threading Tools



- © Manual Presetting Tools



- © Manual Reseating Tools



## Weld Fittings

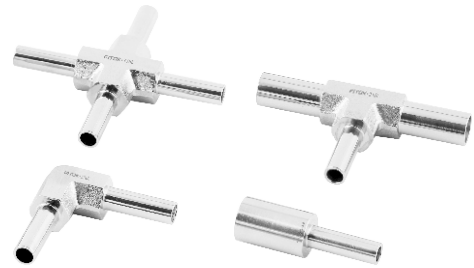
### Micro Weld Fittings

◎ M Series



### Tube Butt Weld Fittings

◎ L Series



### Tubular Fittings

◎ T Series



### Face Seal Fittings

#### Metal Gasket Face Seal Fittings

◎ FR Series



### L-ring Face Seal Fittings

◎ TFO Series



### O-ring Face Seal Fittings

◎ FO Series



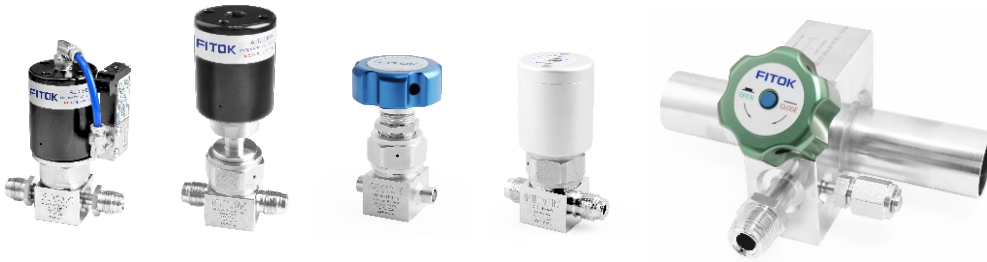
## Cylinder Connections

◎ CGA DISS, CGA and DIN Series



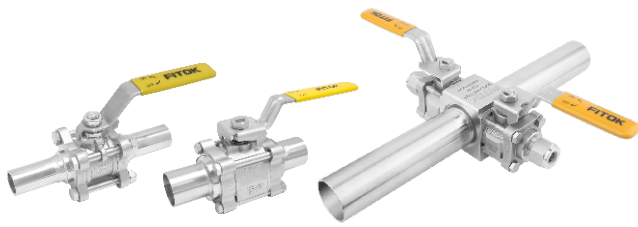
## Diaphragm Valves

© ALD, DQ, DQX, DP, DPX, DPT, DH, DM, DS, DR, DV, DL, DF, DE and DK Series



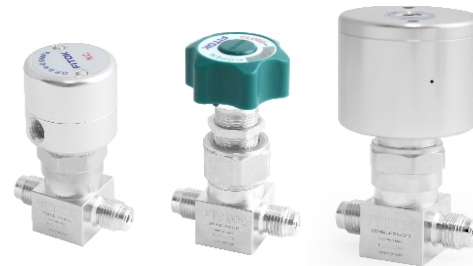
## High Purity Ball Valves

© BGP, BHP, BDP and BRP Series



## Bellow-Sealed Valves

© SM and SVH Series



## Bellow-Sealed Metering Valves

© MU Series



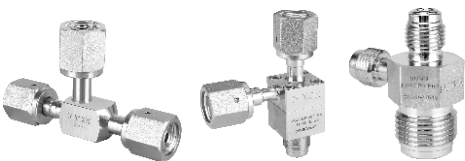
## Check Valves

© CW Series



## Vacuum Generators

© VGB, VGC and VGM Series



## Ultra High Purity Pressure Gauges

© GP Series





## Cylinder Pressure Regulators

© FCR-1, FCR-1S, FCR-2 and FCR-1D Series



## Line Pressure Regulators

© FLR-1, FLR-2, FLR-3, FLR-5,  
FBR-1, HPR-10 and HPL-06 Series



## Back Pressure Regulators

© BPR-1, BPR-2 and BPR-3 Series



## High Performance High Purity Regulators

© RTGC, RTCC Series



## Steam Heated Vaporizing Pressure Regulators

© VPR Series



## Pressure Control Panels

© FSR-1 and FSR-2 Series



## Point-of-Use Panels

© FPR-1 and FPR-1S Series



## Changeover Systems

© FDR-1, FDR-2, FDR-1L and FDR-1T Series



## Canisters

© CSR Series



## Gas Stick Assemblies

© AGH and AGL Series



## Integrated Gas Systems



## Gas line



## Substrates



## Gaskets



High Purity & Ultra High Purity Products

## Bottle Configuration Sampling Systems

Continuous Needle Purge Type



## Cylinder Configuration Sampling Systems

Outlet to Flare Type with Expansion Chamber



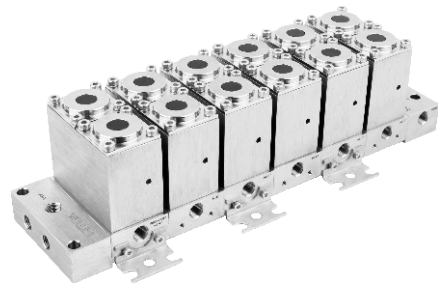
## Sampling Assemblies, Sample Cylinders and Accessories

Compliant with TPED and DOT



## Stream Switching Systems

© SSM Series

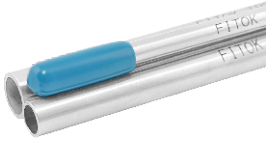




## Instrumentation Tubing

### ◎ TMP Series

Straight-length tubing  
2.6% Mo tubing optional



### ◎ TCT Series

Supplied up to 7218 ft (2108 m) in coils



## High Purity Tubing

### ◎ TBA Series

Bright annealed, internal surface roughness  
 $Ra \leq 20 \mu\text{in. (0.51 } \mu\text{m)}$



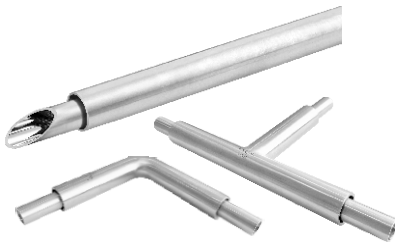
### ◎ TEP and PEP Series

Electropolished, internal surface roughness  
 $Ra \leq 5 \mu\text{in. (0.13 } \mu\text{m)}$



### ◎ TCA Series

Electropolished Inner Tube, internal surface roughness  
 $Ra \leq 5 \mu\text{in. (0.13 } \mu\text{m)}$



## Medium and High Pressure Tubing

### Annealed and Cold-Drawn 1/8-Hard Seamless Tubing

#### ◎ T15A and T20D Series

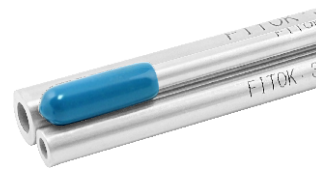
Working pressure:

T15A series: up to 15000 psig (1034 bar)

T20D series: up to 20000 psig (1379 bar)

Use with any medium pressure tube fittings.

The best match is with FITOK 20D series tube fittings



## Cold-Drawn Seamless Tubing

### ◎ T20M Series

Working pressure: up to 20000 psig (1379 bar)  
Use with any cone and thread type medium pressure fittings. The best match is with FITOK 20M series medium pressure fittings



## Cold-Drawn Seamless Tubing

### ◎ T60H Series

Working pressure: up to 60000 psig (4137 bar)  
Use with any cone and thread type high pressure fittings.  
The best match is with FITOK 60H series high pressure fittings



## Jacketed Tubing

◎ TJT Series

PVC or TPU jacketed tubing



## Insulated Tubing

◎ TIT Series

Fibrous glass insulated tubing



## Heat Trace Tubing

◎ TST Series

Steam trace



## Other Tubing Products

◎ SilcoNert® 2000 (Sulfinert®) Coated Tubing



## Custom Bent Tubing

◎ TMP Series Bent Tubing



◎ T20D/T20M Series Bent Tubing



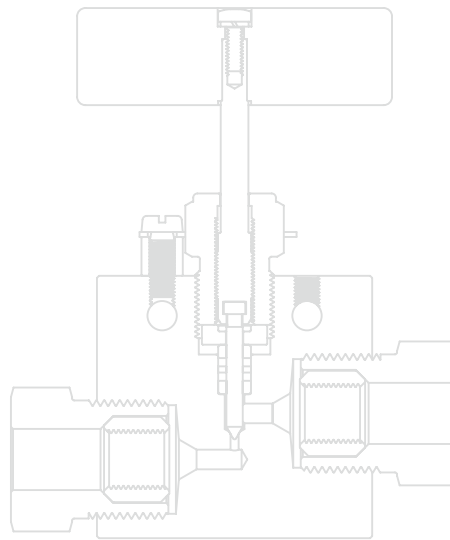
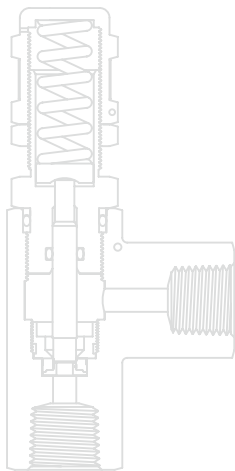
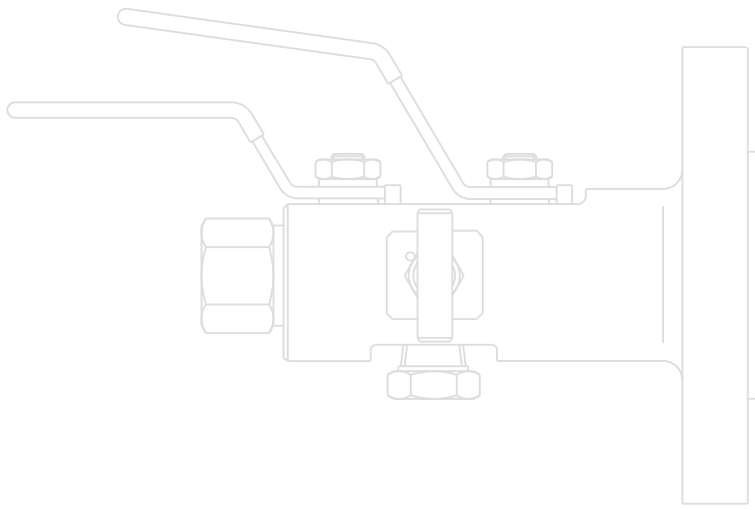


Product Catalogs



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