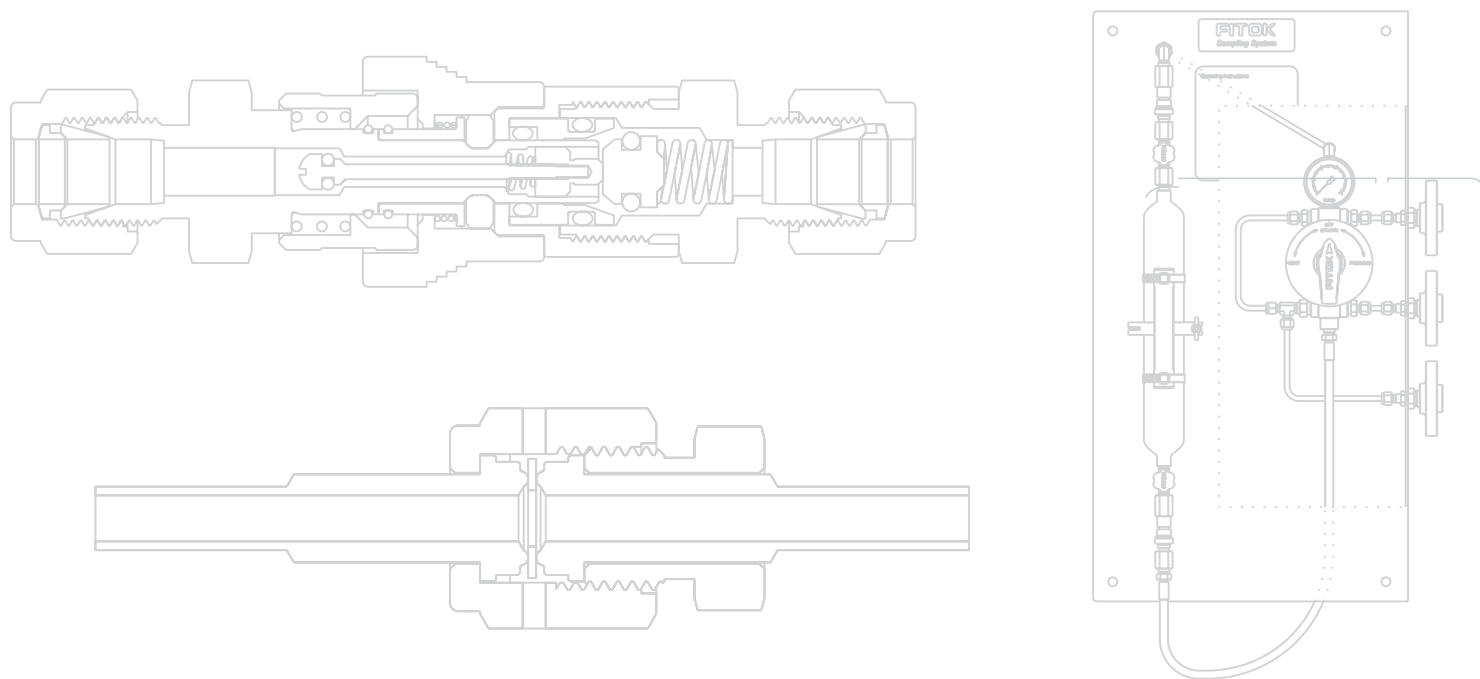


# FITOK

## COMPANY OVERVIEW



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# About FITOK

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

We have the capability to manufacture and supply 5 different product categories, including:

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

Our mission is to provide the best quality products and the most professional services to our customers. The performance of our products is guaranteed during the whole manufacturing cycle from our employment of customized materials which should be controlled more strictly than just according to ASTM requirements to our implementation of production and testing exceeding the industry standards.

Since our inception, FITOK has been applying sound quality control standards in all activities. FITOK is an ISO 9001:2015 certified company and our products have been certified by different industry authorities and third-party inspection institutions in different countries to have obtained a variety of certificates, among which there are TA-Luft, ABS, ASTM F1387, ISO15848, TPED, E-Mark, CRN, DVGW, PED, API 607, DOT, EC79 and ECE R110 and EC 79 certificates.

Benefiting from our global facilities, we are able to 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.



# Certificates



FITOK Germany ISO 9001



FITOK China ISO 9001



ABS



ASTM F1387



EC79



ECE R110



PED



ATEX



API 607



ISO 15848



TA-Luft



DVGW



TPED



DOT



CRN



EAC

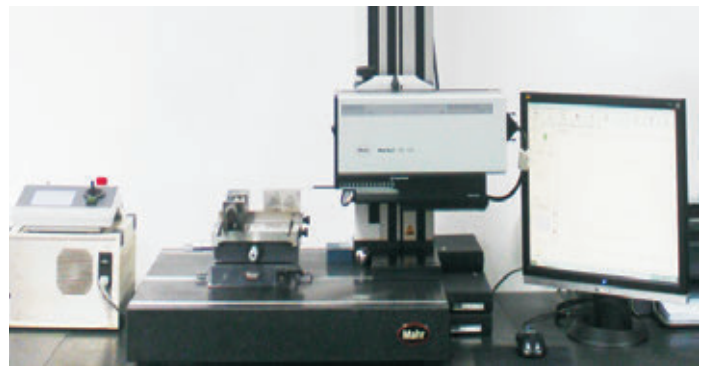


# Facilities

## Manufacturing



## Inspection Equipment



# Products

General Instrumentation Valves and Fittings

Medium & High Pressure Valves and Fittings

High Purity & Ultra High Purity Products

Sampling Systems

Tubing





### 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



## Calibration Fittings and Hoses



### Quick-Connects

#### ◎ QC Series

General service



#### ◎ QV Series

Double-end shutoff high flow



#### ◎ QF Series

Full-flow



#### ◎ QM Series

Miniature



#### ◎ QTM Series

PTFE-sealed



#### ◎ QCA Series

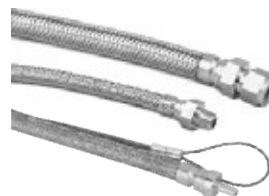
Safe pressure release



## Hoses and Connectors

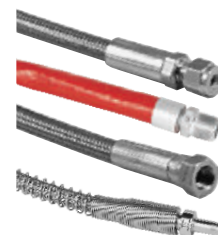
#### ◎ MH and MM Series

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





### Ball Valves

#### ◎ BF and BFH Series

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



#### ◎ BO Series

One-piece instrumentation ball valves, no dead zone



#### ◎ BG Series

3-piece ball valves, pressure up to 1000 psig



#### ◎ BP Series

Cold drawn bar ball valves, pressure up to 10000 psig



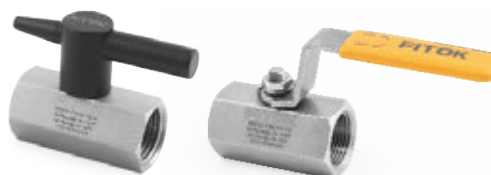
#### ◎ BH Series

3-piece ball valves, pressure up to 3000 psig



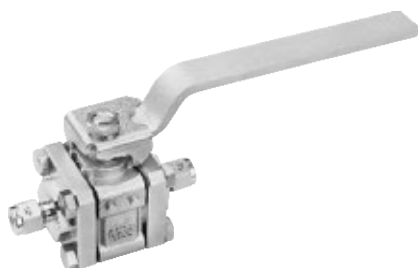
#### ◎ BR and BRC Series

Hex bar stock ball valves



#### ◎ 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



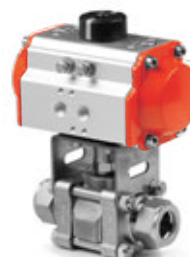
#### ◎ BV Series

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



### 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



### © NT Series

Toggle valves and pneumatic needle valves



### © NR and NRG Series

Rising plug valves



### © NY Series

Outside screw and yoke (OS&Y) needle valves



### © NU and NUH Series

Union bonnet needle valves



### Check Valves

#### Fixed Cracking Pressure

- ◎ **CV Series**  
Poppet type  
pressure up to 3000 psig



- ◎ **CH Series**  
Poppet type  
pressure up to 6000 psig  
ECE R110 approval



- ◎ **CO Series**  
One piece body



#### Adjustable Cracking Pressure

- ◎ **CA Series**



- ◎ **COA Series**  
One piece body



#### All-Metal Construction

- ◎ **CL Series**



### Anti-Siphon Back Pressure Check Valves

- ◎ **CSV Series**



### Bellows-Sealed Valves

- ◎ **SW and SU Series**



### Metering Valves

- ◎ **MS, MV, ML and MH Series**



### Plug Valves

- ◎ **PV Series**



## Proportional Relief Valves

© RV, RL and RM Series



## Purge Valves

© RP Series



## Bleed Valves

© RB Series



## Excess Flow Valves

© EV Series



## Filters

© FT Series

Tee-type  
ECE R110 approval



© FB Series

Bypass



© FI Series

In-line



© FW Series

All-welded in-line



## Gauge Valves and Instrumentation Manifolds

Gauge Valves

© GV, GVH and GR Series



2-Valve Manifolds

© 2D, 2R, 2DH and 2RH Series





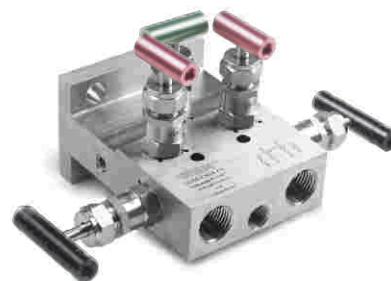
### 3-valve Manifolds

© 3D, 3R, 3DH and 3RH Series



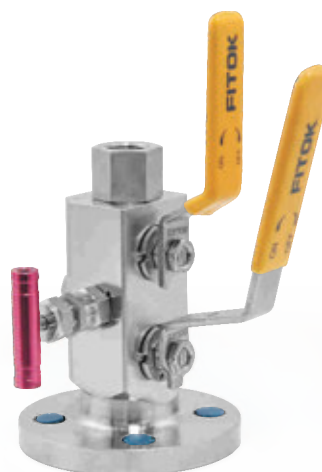
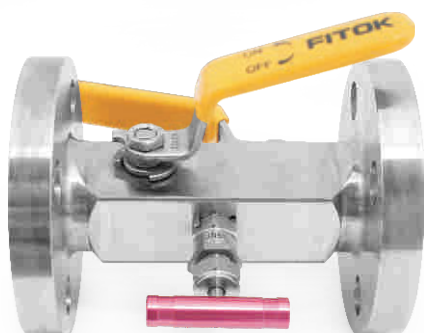
### 5-valve Manifolds

© 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



### Other Elements

#### © Thermowells and Bosses



### SilcoNert® 2000 (Sulfinert®) Coated Products



#### © Syphons



### Pressure Gauges

#### © GA, GB and GC Series



#### © Gaskets and O-rings



### 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

## Tube Fittings

© 20D Series  
10000 - 20000 psig



## Adapter Fittings

© AMH Series  
10000 - 60000 psig



## Medium Pressure Fittings

© 20M Series  
20000 psig



## Quick Couplings

© HQP, HQB, HQS and HQC Series  
10000 - 30000 psig



## High Pressure Fittings

© 60 Series  
60000 psig



## Medium and High Pressure Hoses

© HPH Series  
10000 - 43500 psig



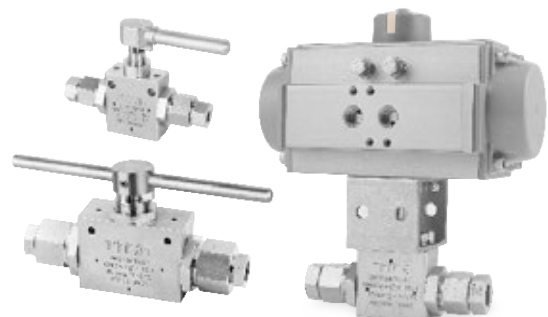
## Pipe Fittings

© PMH Series  
10000 - 60000 psig



## Ball Valves

© 10B, 15B and 20B Series  
10000 - 20000 psig





### Needle Valves

- © 10N, 15N, 20N, 30N and 60N Series  
10000 - 60000 psig



### Check Valves

- © 10C, 15C, 20C and 60C Series
- © 10CO, 15CO, 20CO and 60CO Series  
10000 - 60000 psig



### Relief Valves

- © HSR, HMR and HAR Series  
20000 - 60000 psig



### Metering Valves

- © 15M, 30M and 60M Series  
15000 - 60000 psig



### Bleed Valves

- © 15BV, 20BV and 30BV Series  
15000 - 30000 psig



### Block and Bleed Valves

- © 15BN, 20BN, 20DBN and 15DBB Series  
15000 - 30000 psig



## Line Filters

- © 10FD, 15FD, 20FD and 60FD Series
- © 10FC, 15FC, 20FC and 60FC Series
- 10000 - 60000 psig



## Subsea Valves

- Subsea Ball Valves and Subsea Hydraulic Ball Valves
- © 10SB, 15SB and 20SB Series
- 10000 - 20000 psig



## Subsea Needle Valves and Subsea Hydraulic Needle Valves

- © 15SN and 20SN Series
- 10000 - 20000 psig



## Subsea Check Valves

- © 10SC, 10SCO, 15SC, 15SCO, 20SC and 20SCO Series
- 10000 - 20000 psig



## Subsea Hydraulic Directional Control Valves

- © 15SDC Series
- 10000 - 20000 psig



## Tools

- © Hydraulic Presetting Tools



- © Manual Reseating Tools



- © Manual Coning Tools



- © Manual Presetting Tools



- © Manual Threading Tools



### Weld Fittings

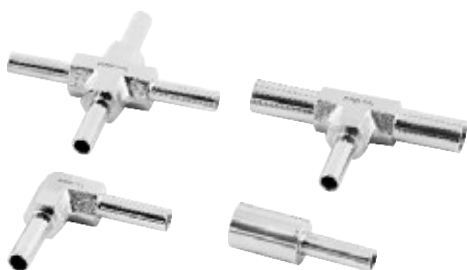
#### Micro Weld Fittings

© M Series



#### Tube Butt Weld Fittings

© L Series



#### Tubular Fittings

© T Series



### Cylinder Connections

© CGA DISS, CGA and DIN Series



### Face Seal Fittings

#### Metal Gasket Face Seal Fittings

© FR Series



#### L-ring Face Seal Fittings

© TFO Series



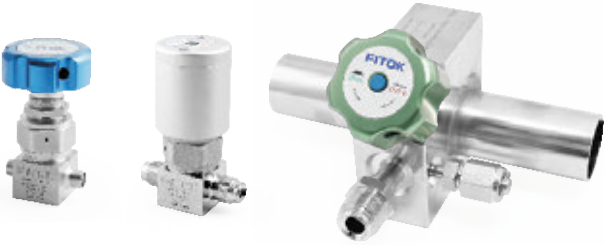
#### O-ring Face Seal Fittings

© FO Series



## Diaphragm Valves

© DQ, DP, DH, DM, DS, DR, DV, DL, DF, DE and DK Series



## Atomic Layer Deposition Diaphragm Valves

© ALD Series



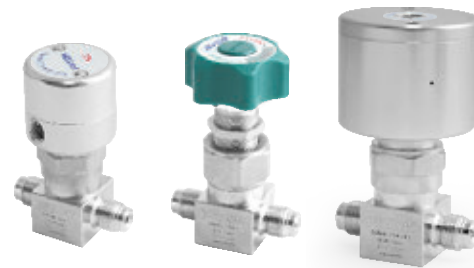
## High Purity Ball Valves

© 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

© VG Series





### Canisters

© CSR Series



### Ultra High Purity Pressure Gauges

© GP Series



### Integrated Gas Systems



### Gas Stick Assemblies

© AGH and AGL Series



## Cylinder Pressure Regulators

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



## Steam Heated Vaporizing Pressure Regulators

© VPR Series



## Line Pressure Regulators

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



## Pressure Control Panels

© FSR-1 and FSR-2 Series



## Back Pressure Regulators

© BPR-1, BPR-2 and BPR-3 Series



## Point-of-Use Panels

© FPR-1 and FPR-1S Series



## High Purity Regulators

© FHR-1 Series



## Changeover Systems

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



### Bottle Configuration Sampling Systems

- © **BLA2 - System Purge Type**  
Sampling from low pressure devices or process lines



- © **BLD2 - Continuous Needle Purge Type**  
Sampling from medium or high pressure devices or process lines



- © **BLE3 - Back Purge Type with Venturi Unit**  
Sampling from process lines at atmospheric pressure or vacuum condition



### Cylinder Configuration Sampling Systems

- © **CSF4 - Outlet to Flare Type with Expansion Chamber**  
For liquefied gas sampling



- © **CGG1 - System Purge Type**  
For gas sampling



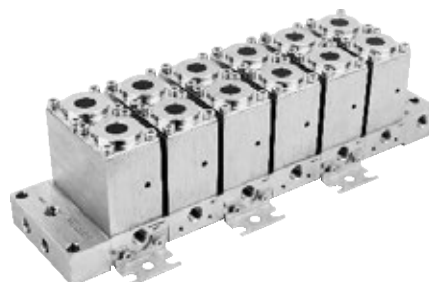
### Sampling Assemblies, Sample Cylinders and Accessories

Compliant with TPED and DOT



### Stream Switching Systems

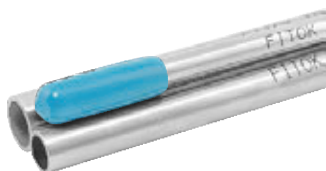
- © **SSM Series**



### 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, TEP and PEP Series

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  $Ra \leq 5 \mu\text{in. (0.13 } \mu\text{m)}$



### Medium and High Pressure Tubing

Heavy-Wall Annealed and Cold-Drawn 1/8-Hard Seamless Tubing

#### ◎ T15A and T20D Series

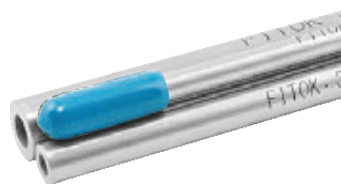
Working pressure:

T15A series: up to 15000 psig

T20D series: up to 20000 psig

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

Use with any cone and thread type medium pressure fittings. The best match is with FITOK 20M series medium pressure fittings

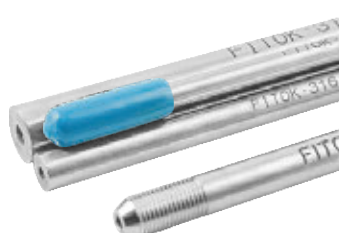


### Cold-Drawn Seamless Tubing

#### ◎ T60H Series

Working pressure: up to 60000 psig

Use with any cone and thread type high pressure fittings. The best match is with FITOK 60 series high pressure fittings





### Jacketed Tubing

- **TJT Series**  
PVC or TPU jacketed tubing



### Insulated Tubing

- **TIT Series**  
Fibrous glass insulated tubing



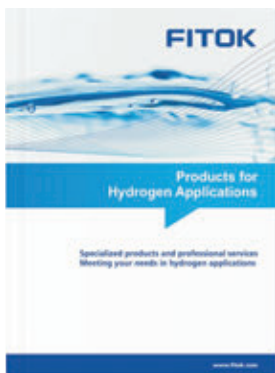
### Heat Trace Tubing

- **TST Series**  
Steam trace



### Other Tubing Products

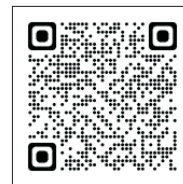
- **SilcoNert® 2000 (Sulfinert®) Coated Tubing**



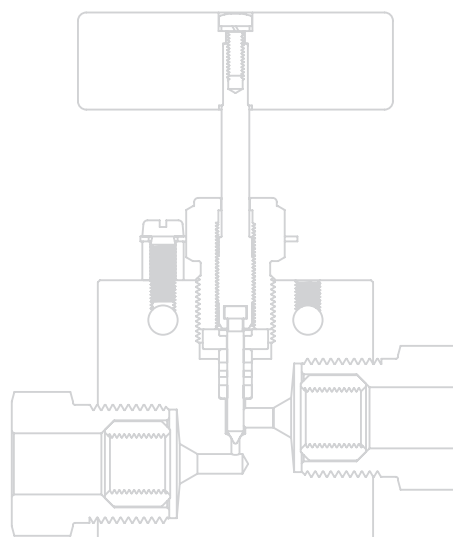
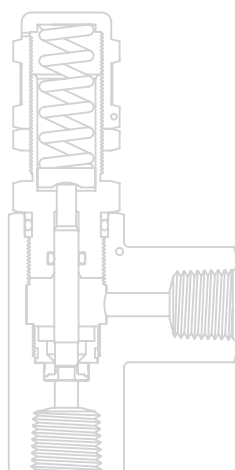
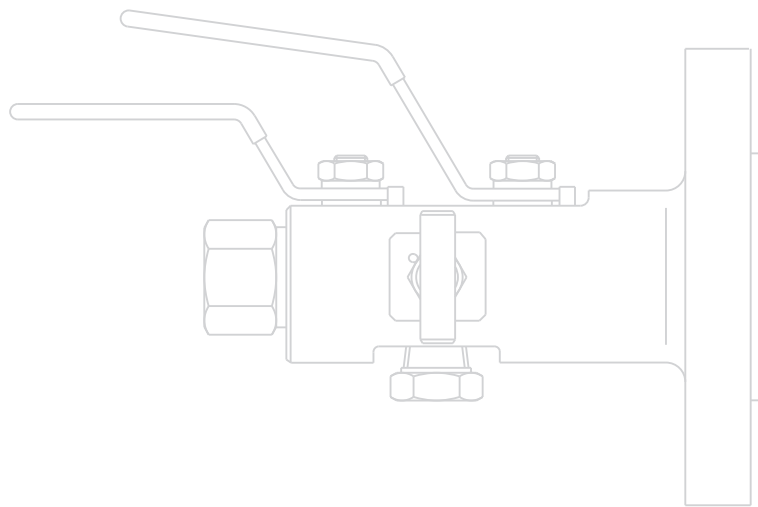
Products for Hydrogen Applications



Other Product Catalogs



Scan the QR code to view or download product catalogs.



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www.fitok.com



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