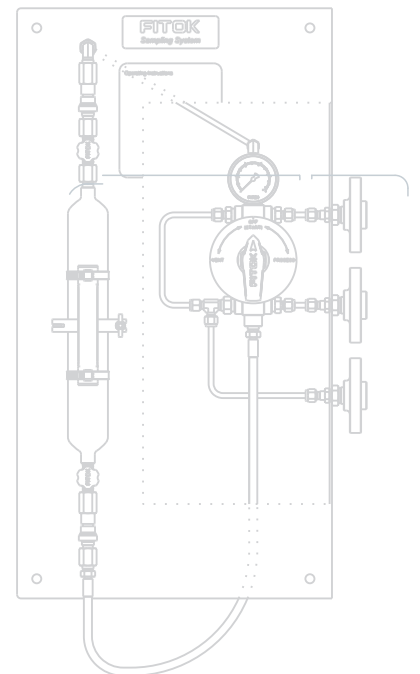
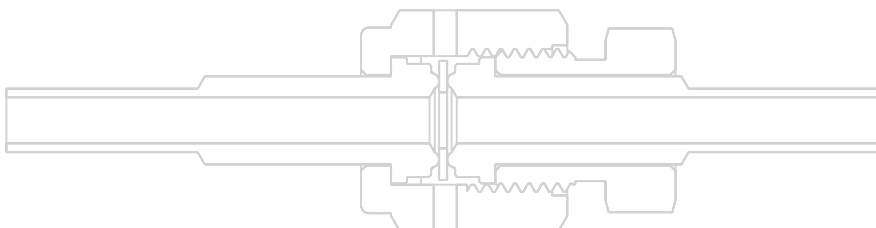
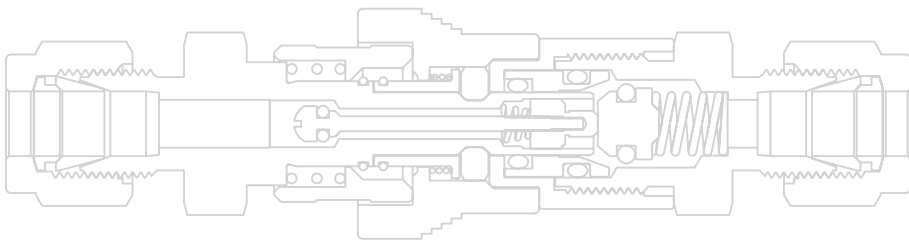


FITOK

COMPANY OVERVIEW



About FITOK

Founded in 1998, FITOK Group has been an industry-leading developer and manufacturer of superior quality instrumentation valves and fittings, having our manufacturing bases in Germany, USA, South Korea and Wuhan, Shenzhen and Suzhou in China, 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 the TA-Luft, ABS, ASTM F1387, ISO15848, TPED, E-Mark, CRN, DVGW, PED, API, DOT, EC79 and ECE R110 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



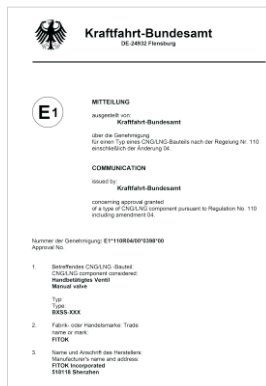
ABS



ASTM F1387



EC79



ECE R110



PED



ATEX



API 607



ISO 15848



TA-Luft



DVGW



TPED



DOT



CRN



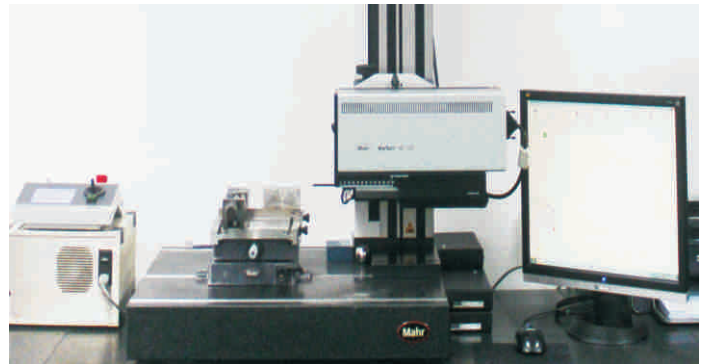
EAC

Facilities

Manufacturing



Inspection Equipments



Products

General Instrumentation Valves and Fittings	05
Medium & High Pressure Valves and Fittings	14
High Purity & Ultra High Purity Products	17
Sampling Systems	20
Tubing	21



Tube Fittings

© 6 Series



Pipe Fittings

© 6 Series



37° Flared Tube Fittings



Weld Fittings

© 6 Series



Vacuum Tube Fittings

© VL Series



Vacuum Adapter Fittings

© VA Series



Valve Fittings

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



Fusible Plugs



Calibration Fittings and Hoses



Quick-Connects

- ◎ **QC Series**
General service



- ◎ **QV Series**
High flow



- ◎ **QF Series**
Full-Flow



- ◎ **QM Series**
Miniature



- ◎ **QTM Series**
PTFE-Sealed

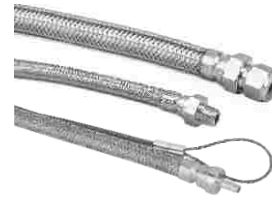


- ◎ **QCA Series**
Safe Pressure Release

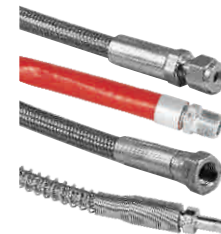


Hoses and Connectors

- ◎ **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



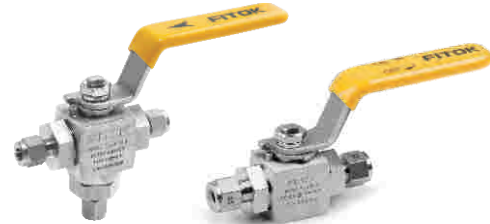
© **BG Series**

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



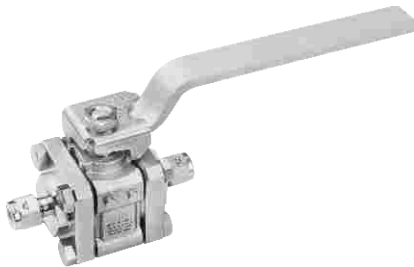
© **BR and BRC Series**

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 application.
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**



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

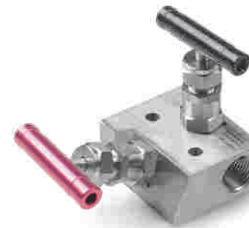
Gauge Valves

© GV, GVH and GR Series



2-valve Manifolds

© 2D, 2R, 2DH and 2RH Series



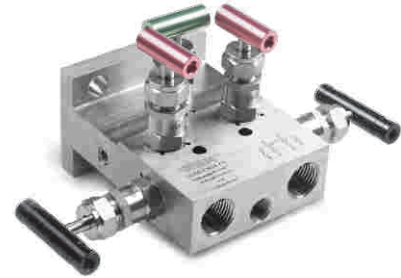
3-valve Manifolds

© 3D, 3R, 3DH and 3RH Series



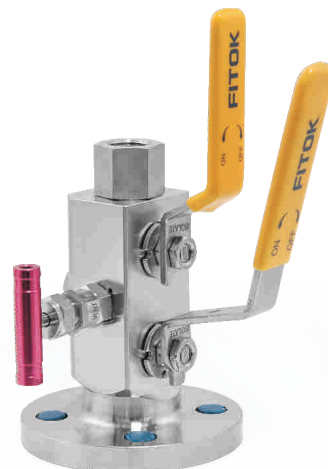
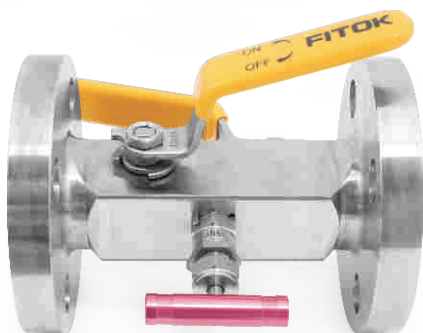
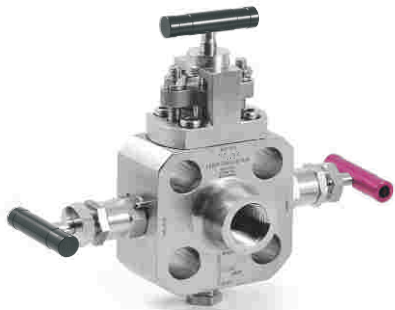
5-valve Manifolds

© 5D, 5R, 5DH and 5RH Series



Block and Bleed Valves

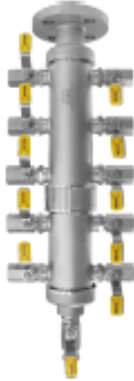
© BB, DB, SB and DBB Series



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



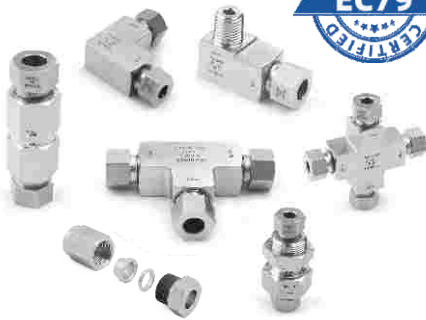
Individual size



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



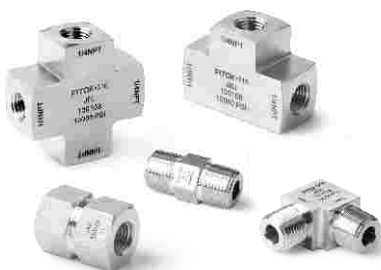
Medium and High Pressure Hoses

© HPH Series
10000 - 43500 psig



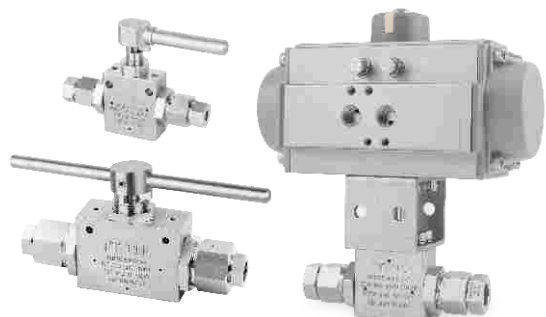
Pipe Fittings

© PMH Series
10000 - 60000 psig



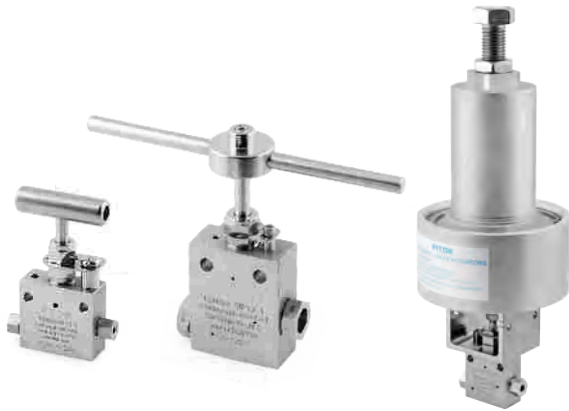
Ball Valves

© 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



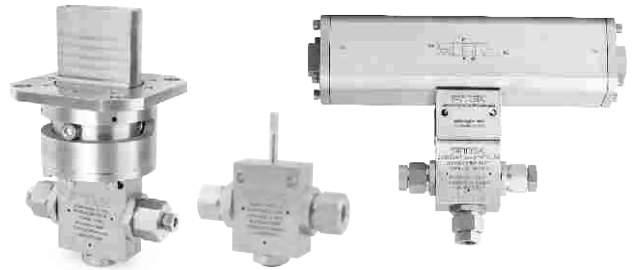
Line Filters

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



Subsea Valves

- Subsea Ball Valves**
- ◎ 10SB, 15SB, 20SB Series
- 10000 - 20000 psig



Subsea Needle Valves

- ◎ 15SN, 20SN Series
- 10000 - 20000 psig



Subsea Check Valves

- ◎ 10SC, 10SCO, 15SC, 15SCO, 20SC, 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



O-ring Face Seal Fittings

© FO Series



L-ring Face Seal Fittings

© TFO Series



Diaphragm Valves

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



Bellow-Sealed Valves

◎ SM and SVH Series



Atomic Layer Deposition Diaphragm Valves

◎ ALD Series



Bellow-Sealed Metering Valves

◎ MU Series



Canisters

◎ CSR Series



Check Valves

◎ CW Series



Integrated Gas System



Vacuum Generators

◎ VG Series



Ultra High Purity Pressure Gauges

◎ GP Series



Cylinder Pressure Regulators

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



Steam Heated Vaporizing Pressure Regulator

○ 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 Regulator

○ 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



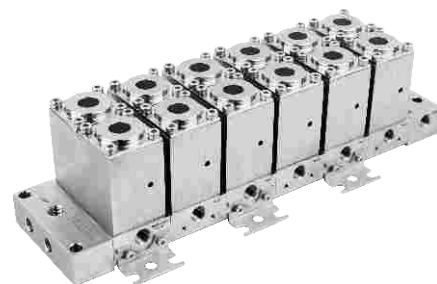
Sampling Assemblies, Sample Cylinders and Accessories

Compliant with TPED and DOT



Stream Switching System

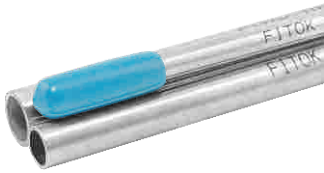
© **SSM Series**



Instrumentation Tubing

◎ **TMP Series**

Straight-length tubing
2.6% Mo tubing optional



◎ **TCT Series**

Supplied up to 6000 ft (1800 m) in coils



Medium and High Pressure Tubing

Heavy-wall Annealed or cold-drawn 1/8-hard seamless tubing

◎ **T15 Series**

Pressure up to 15000 psig. Use with any medium pressure ferrule type tube fittings. The best match is with FITOK 20D series tube fittings



Cold-drawn 1/8-hard seamless tubing

◎ **T20D Series**

Pressure up to 20000 psig. Use with any medium pressure ferrule type tube fittings. The best match is with FITOK 20D series tube fittings



Cold-drawn seamless tubing

◎ **T20M Series**

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

◎ **T60 Series**

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



High Purity Tubing

◎ **TBA and TEP Series**

TBA: bright annealed, inner surface roughness
 $Ra \leq 20 \mu\text{in. (0.51 } \mu\text{m)}$

TEP: electropolished, inner surface roughness
 $Ra \leq 10 \mu\text{in. (0.25 } \mu\text{m)}$



Heat Trace Tubing

◎ **TST Series**

Steam trace



Jacketed Tubing and Insulated Tubing

◎ **TJT Series**

PVC jacketed tubing

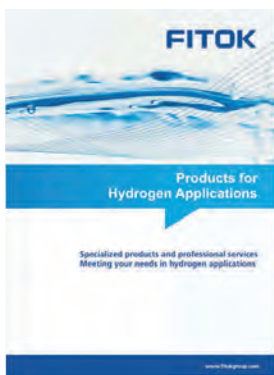


◎ **TIT Series**

fibrous glass insulated tubing



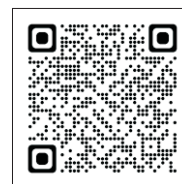
◎ **SilcoNert® 2000 (Sulfinert®) Coated Tubing**



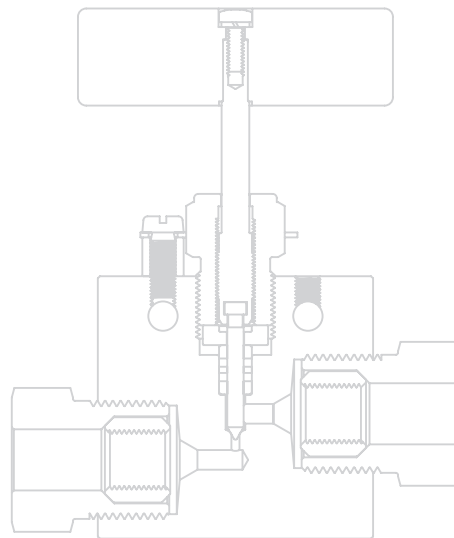
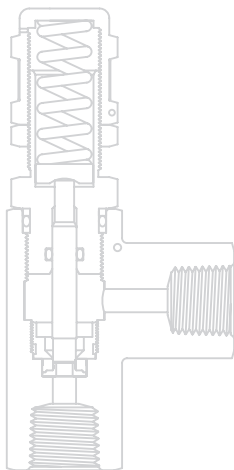
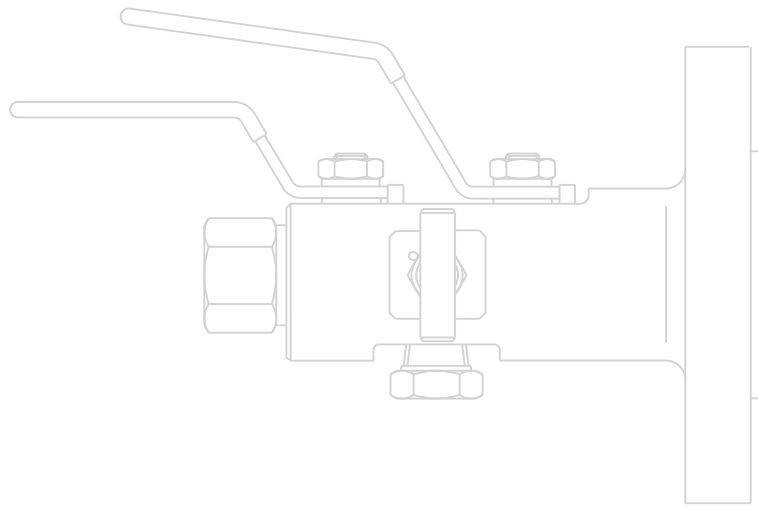
Products for Hydrogen Applications



Other Product Catalogs



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www.fitok.com



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