



Instrumentation Valves and Fittings



***The Logical Choice
for Safety and Reliability***

Tube Fittings

In the early 1960's, HOKE took the industry by storm, introducing the GYROLOK® tube fitting. To this day, the design features offer unique advantages and benefits to users that are unmatched in the industry.

Key GYROLOK® Design Benefits:

1) Controlled Ferrule Drive and Sizing Angle

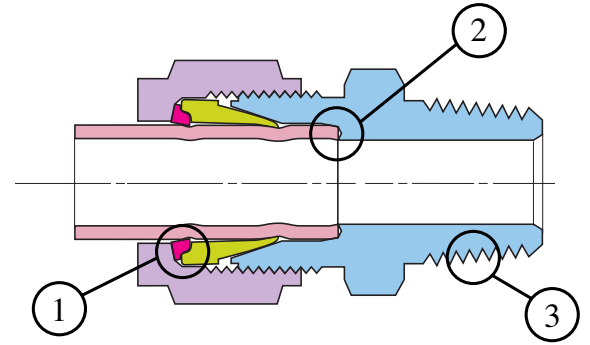
- Avoids risks associated with over-tightening and allows for multiple remakes

2) Butt Seal

- Provides an extra level of protection against leaks

3) Special high tolerance NPT thread specification

- Ensures maximum thread engagement for a safer, more robust connection



Materials supported are 316 SS, Monel, Inconel 625 and 825, Hastelloy C, Titanium, Duplex 2205, Super-Duplex 2507, 254SMO and Brass. Available in both Metric and Imperial sizes.



Precision Pipe Fittings

A complete line of precision pipe fittings are available from HOKE featuring NPT or SAE ends. Configurations include **nipples**, **couplings**, **adapters** and **reducers** as well as **elbows**, **tees** and **crosses**.



Training

Training is one of the best ways we can deliver value to your organization. With almost 100 years of history, we have a variety of training programs, support tools, and reference materials available. Your local HOKE representative can come to your location and deliver a program customized to fit your needs. By teaching proper preparation and installation procedures, we ensure maximum product performance, minimizing leaks and optimizing safety.

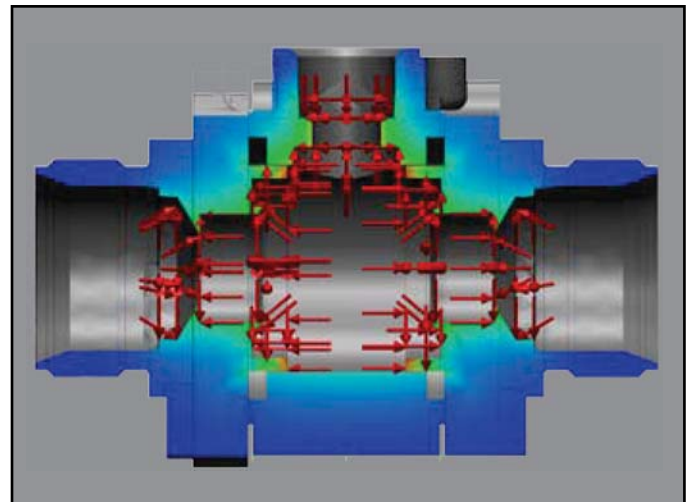


Delivering Value: Focusing on the Whole Process

At HOKE, instrumentation is our core business. Through our years of experience, we know that precise flow control is a complex thing, not a commodity. Selecting, applying, and validating instrumentation products can become a confusing and difficult task for those involved. You want to spend your time and attention focusing on your core business and optimize your resources, not become an instrumentation expert. Our approach is to focus on the whole process in order to satisfy all your individual stakeholders (safety, finance, purchasing, inventory control, installation technician, engineer, and instrumentation specialist) requirements. Ask your local distributor how we can deliver value to your organization.

Certifications and Design

HOKE maintains all relevant certifications and approvals for global code registrations. Our designs are verified using a state-of-the-art three dimensional Finite Element Analysis (FEA) tool. Customer drawings of our products are readily available from our website @ www.hoke.com in both 2D and 3D in a variety of CAD formats. Our manufacturing facility is ISO 9001 certified.



ISO: 9001:2000 • TPED & PED • DOT-3A

DOT-3B • DOT-3BN • DOT-3E • ECE R110

American Gas Association • Canadian Gas Association

ASME • Det Norske Veritas • ATEX • CSA

TRANSPORT-CANADA • IECEx • GOST • HSE

ACI • TSSA • KEMA • NACE • ASTM

Instrument Valves

Types of valves available are **ball, needle, check, relief, plug, and metering** in sizes up to 1". Materials supported are 316 SS, Monel, Inconel 625 and 825, Hastelloy C, Titanium, Duplex 2205, Super-Duplex 2507, 254SMO and Brass. A variety of handle and elastomer options are offered. Available connections come in either Metric or Imperial sizes, with threaded or tube fitting ends.

Key Design Benefits Include:

- Innovative leak proof design
- Low torque operation
- Highest quality
- High cycle options for extended service life
- Dynapak® or energized seals minimize fugitive emissions



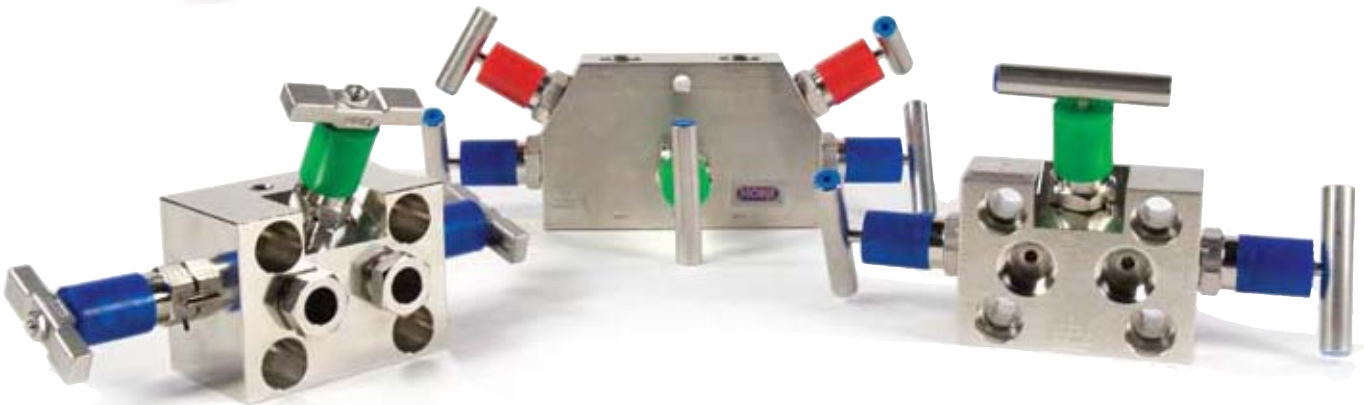
Actuators

Compact Space Saver® electric and pneumatic actuators are available in a variety of enclosures for the complete line of HOKE valves. Specify voltage and current requirements where applicable. 90° and 180° operation are available.



Other Products

HOKE manufactures a variety of other products that support a complete instrumentation offering. There is a complete line of **manifolds** available with integral tube fitting connections, eliminating the requirement to add male connectors. **Safety changer nut and ferrule sets (SCNF)** are an installer's ally, providing a safe, easy, correct way to reuse existing fittings and valves with GYROLOK components. A full line of DOT and TPED certified **transport cylinders** are offered. Instrument **quick connects** with color coded interlocks are available.



Tools/Accessories

We offer a complete line of complimentary tools and accessories to ensure safe and correct installation. The **Gyrogage (GG)** and **Gyrolok Marking Tool (GMT)** are handy tools to easily verify that all components are present, tubing has been properly inserted, and the fitting has been sufficiently tightened. The **manual presetting tool (PST)** makes it easier to install fittings in hard-to-reach locations. The **Hydraulic Presetting Tool (HPST)** eases the installation of large diameter tube fittings. HOKE's **Leak Detective®** makes it simple to check for leaks in gas lines.



CIRCOR

Instrumentation Technologies

Our Company

CIRCOR Instrumentation Technologies (CIT) is the logical choice for fluid control solutions. We provide the lowest cost of ownership, offering the best in class reliability and availability of our products.

We have global coverage, delivering value in the form of local, flexible service to meet our customer's needs. CIT is a product group specializing in instrumentation with orifice sizes typically up to 2".



**Our corporate head office and ISO 9001:2000 registered manufacturing facilities are located at 405 Centura Court, Spartanburg, SC, USA, 29303
Tel +1-864-574-7966 • Fax +1-864-587-5608
www.hoke.com • www.circortechnologies.com**

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