SecoLok India PVT LTD



INDUSTRIES WE SERVE

- Gases
- Petrochemical
- Biopharmaceutical
- Powerplants
- Shipbuilding
- Process Instrumentation

Streamline your procurement with SecoLok.

Over 30 years of expertise in serving the Instrumentation and Hydraulic domains across diverse industries.

<u>One stop solutio</u>n

- **Compression Fittings**
- Instrumentation Fittings
- **Hydraulic Fittings**
- **Manifold Valves**
- Non Return Valves
- **Ball & Needle Valves**
- **SAE Connection Valves**

- Relief Valves
- Gauge root Valves
- Double/Single Stage Regulator
- Gas Panels
- Quick Release Couplings
- R1/R2/Waterblast/SuperJack Hoses
- PTFE Hoses



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Factory: PAP-486, Rabale MIDC, 400101





THE COMPANY

SecoLok® an ISO 9001:2015 certified company, has been a pioneer in manufacturing instrumentation valves and fittings for over three decades. As one of India's most trusted manufacturers, we boast a team of seasoned engineers dedicated to delivering top-tier products and services to our esteemed customers.

MANUFACTURING

At **SecoLok®**, we don't just stand by the reliability and precision of our products — we ensure ISO 9001:2015 certified quality by actively educating our employees on its importance and implementing strict quality control procedures at every stage, from incoming raw materials to final inspection of finished products.

QUALITY

SecoLok® has developed a cutting-edge manufacturing and testing facility, equipped with advanced CNC Turning Centres, Test benches, and Vertical Machining Centres. Our skilled and committed workforce empowers us to design and manufacture high-precision components under rigorous quality control protocols. By implementing a robust Quality Management System (QMS) and adhering to principles of Six Sigma, we ensure "Total Customer Satisfaction through a Zero-Defect Approach.



RESEARCH & DEVELOPMENT:

With extensive experience, continuous R&D, and advanced high-tech machinery, SECOLOK is committed to constantly upgrading its product range to meet and exceed customer expectations. We also offer R&D services to help OEMs develop innovative, custom-designed products with patent support.

CUSTOMER SATISFACTION:

SecoLok® ensures total client satisfaction through consistent product reliability, just-in-time delivery, and cost-effective solutions. Backed by a 1 Year performance warranty, our offerings are supported with robust after-sales service and optimized supply chain efficiency for reduced lead times.

WHY CHOOSE SECOLOK®?

35 years of experience in Precision Manufacturing.

Being ASTM 1387 F Compliant we assure 100% Interchangeability.

SecoLok aims to become a face of manufacturing sustainability by 2030 in our industry. Enjoy warranty services on Regulators and Valves.

Enjoy Short lead time and priority services by SecoLok.

Be a part of SecoLok End Users group to enhance your entire procurement process

Being a 100% Independent manufacture, our customer enjoy ultimate customisation as per end

We got your new projects covered with our R&D services.























MANUFACTURING AND INSPECTION

Secolok® manufacturing and inspection process integrates advanced CAD design for precision engineering and stringent material selection. Through CNC machining, heat treatment, surface treatments, and meticulous assembly, we ensure products meet industry standards. In-process and final inspections guarantee dimensional accuracy, mechanical strength, and performance, with comprehensive documentation for traceability. Our commitment to quality extends to packaging and timely delivery, ensuring products reach customers in optimal condition, reflecting our dedication to excellence.

MANUFACTURING AND INSPECTION PROCESS

Design and Engineering: We use advanced CAD software like SolidWorks to create precise designs meeting industry standards and customer needs.

Material Selection: High-grade materials like brass and stainless steel undergo rigorous inspection for quality and suitability.

Cutting and Shaping: CNC machines ensure high precision in cutting raw materials into complex shapes.

Forming and Machining: Advanced machinery like lathes and milling machines maintain accuracy and consistency in component production.

Heat Treatment: Certain products undergo heat treatments for enhanced mechanical properties and durability.

Surface Treatment: Surface treatments like electroplating and passivation improve corrosion resistance and aesthetics.

Assembly: Skilled workers ensure precise assembly for optimal product functionality.

Quality Control: Rigorous inspections and testing ensure products meet dimensional accuracy, strength, and performance standards.

Packaging: Products are carefully packaged to prevent damage during transit. **Delivery:** Dedicated logistics ensure timely delivery without compromising quality.

QUALITY POLICY OF SECOLOK

At SecoLok, we are unwavering in our commitment to delivering exceptional products and services that meet the highest standards of quality. Our Quality Policy is guided by these core principles:

Customer Satisfaction: We aim to exceed expectations by offering reliable, top-quality products that align with our customers' specific needs and industry requirements.

Continuous Improvement: Driven by innovation and customer feedback, we constantly enhance our processes, products, and services to maintain excellence.

Compliance with Standards: We adhere to international standards such as ISO 9001:2015, ISO 14001:2018, ISO 45001:2015, and ASTM F1387, ensuring all products meet stringent regulatory and quality criteria.





Rigorous Quality Control: Our thorough quality control processes span from raw material inspection to final testing, ensuring precision, durability, and peak performance in every product.

Skilled Workforce: We invest in ongoing training and development, empowering our employees to uphold excellence and contribute to our quality-focused culture. Environmental Responsibility: We prioritize sustainability, minimizing waste and reducing our environmental footprint through efficient production practices and resource management.

Health and Safety: The health and safety of our workforce is paramount, and we adhere to the highest occupational safety standards, creating a secure work environment. By embracing these principles, SecoLok ensures the delivery of superior products and services, building lasting relationships based on trust, reliability, and a commitment to excellence.









OUR PRODUCTS



INSTRUMENTATION TUBE FITTINGS

Description: Secolok's instrumentation tube fittings provide reliable and leak-tight connections for critical fluid systems. Constructed from high-quality stainless steel and other alloys, these fittings ensure superior corrosion resistance and durability.

Applications and Uses:

Petrochemical Industry: Ideal for handling corrosive fluids and gases. Marine Industry: Suitable for harsh marine environments with high humidity and salt exposure. Oil and Gas Sector: Perfect for high-pressure and high-temperature conditions in exploration and production. Food and Beverage Industry: Safe for use in food processing and handling due to their hygienic properties.

Key Features:

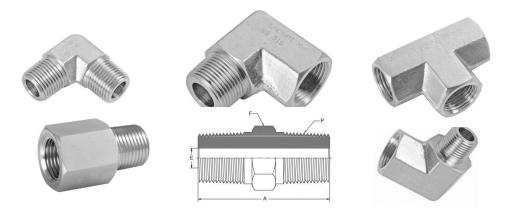
Leak-Tight Performance: Ensures secure connections that prevent leaks. High Corrosion Resistance: Made from premium materials to withstand harsh environments. Durability: Engineered for long-lasting performance even under extreme conditions. Ease of Installation: Designed for quick and easy installation, reducing downtime. Compliance with Standards: Meets stringent industry standards such as ASTM F1387 for quality and reliability. Secolok's instrumentation tube fittings are the optimal choice for demanding applications, offering unmatched performance and reliability across various industries.

End Connections:

- NPT (National Pipe Thread): Standardized threading for secure and leak-proof
- connections. BSPT (British Standard Pipe Tapered): Tapered threading ensuring
- tight seals. BSPP (British Standard Pipe Parallel): Parallel threading for reliable and
- reusable connections. ISO (International Organization for Standardization) Threads: Universal threading for compatibility with various international standards.

Size Range:

Available in sizes ranging from 1/8" to 2" OD, accommodating various application needs.



INSTRUMENTATION PIPE FITTINGS

Description: Secolok's instrumentation pipe fittings are designed to provide reliable and leak-tight connections for critical fluid systems. Constructed from high-quality stainless steel and other alloys, these fittings offer excellent corrosion resistance and durability, making them ideal for demanding environments.

Applications and Uses:

Petrochemical Industry: Efficiently handles corrosive fluids and gases. Marine Industry: Suitable for high humidity and salt-exposed environments. Oil and Gas Sector: Performs well in high-pressure and high-temperature conditions. Food and Beverage Industry: Safe and hygienic for food processing and handling.

Key Features:

Leak-Tight Performance: Ensures secure connections that prevent leaks. High Corrosion Resistance: Made from premium materials to withstand harsh conditions. Pressure Tolerance: Designed to handle high-pressure applications without failure. Versatile End Connections: Available with NPT, BSPT, BSPP, and ISO threads for broad compatibility. Compliance with Standards: Meets ASTM F1387 and other industry standards for quality and reliability. Size Range: Available in sizes ranging from 1/8" to 2" NPT, accommodating various application needs.

End Connections:

NPT (National Pipe Thread): Standardized threading for secure and leak-proof connections. BSPT (British Standard Pipe Tapered): Tapered threading ensuring tight seals. BSPP (British Standard Pipe Parallel): Parallel threading for reliable and reusable connections. ISO (International Organization for Standardization) Threads: Universal threading for compatibility with various international standards.

Size Range:

Available in sizes ranging from 1/8" to 2" OD, accommodating various application needs.



JIC 37° FLARE TUBE FITTINGS

Secolok's 37° Flare JIC tube fittings and adapters meet SAE J514 and ISO 8434-2 standards, offering a broad range of port ends. The small metal-to-metal seal area ensures a compact design, low assembly torque, and high temperature and pressure capability.

Applications and Uses:

Hydraulic Systems: Leak-free connections for industrial machinery and heavy equipment. Gas Handling: Safe and reliable connections for high-pressure gas applications. Fuel Systems: Robust connections for aerospace and automotive fuel transfer. Brake and Transmission: Reliable performance for automotive systems. Marine: Corrosion-resistant fittings for marine fluid transfer. Aerial Lifts: Secure connections for fluid systems in aerial lift equipment.

Key Features:

Adaptability: Compatible with inch, metric tubes, and hoses. Port End Options: Includes SAE ORB, NPTF, BSPP-ED, BSPP-ORR, BSPP, BSPT, ISO 6149, Metric-ORR, and Metric-ED. Robust Port Stud: Longer locknut eliminates washer damage and potential leaks. Corrosion Resistance: ToughShield Plus plating exceeds 3,000 hours without red rust (ASTM B117/ISO 9227). Anti-Galling: Coated stainless steel nuts prevent galling. Material Availability: Steel, stainless steel, and brass in sizes 1/8" - 2 ½" with working pressures up to 7500 psi.

Sizes:

Size Range: From 1/8" to 2 ½" OD.



RUBBER/ PTFE/ STEEL HOSES

Secolok's hoses are designed for robust and leak-proof connections with its in-house manufacturing and crimping facility, suitable for various high- pressure fluid systems upto 20,0000 PSI. These fittings are manufactured from high-quality materials, ensuring durability and reliability in demanding applications.

Applications and Uses:

Hydraulic Systems: Secure and leak-free connections for industrial and mobile hydraulic systems. Pneumatic Systems: Reliable fittings for air and gas applications in industrial equipment. Fuel Systems: Suitable for fuel transfer in automotive and aerospace industries. Cooling Systems: Ideal for coolant and refrigerant lines in HVAC and automotive applications. Marine Applications: Corrosion-resistant fittings for marine fluid transfer systems.

Types:

- Hydraulic Hoses: 300 Bar-rated for lifting and mobile Air Hoses: For pneumatic tools and lines. hydraulics.
- PTFE Hoses: Braided, chemical and heat resistant.
- · Water Blast Hoses: Up to 40,000 psi for jetting and cleaning.
- · Thermoplastic Hoses: Lightweight, for mining and mobile gear.
- Composite Hoses: For chemical, oil, and vapor transfer.
- · Steel Hoses: Corrugated SS for gas, steam, and vibration.
- Super Jack Hoses: For high-tonnage lifting applications.
- · LPG Hoses: For safe gas transfer and refueling.

- · Water Hoses: For suction, discharge, and dewatering.
- Fuel & Oil Hoses: For diesel, petrol, and lubricants.
- Chemical Hoses: Handles aggressive chemicals.
- Food-Grade Hoses: FDA approved for sanitary use.
- · Dredge Hoses: For slurry, sand, and gravel.
- Vacuum Hoses: For wet/dry industrial suction.
- Coolant Hoses: For engine and radiator systems.
- Oxygen/Acetylene Hoses: For welding and cutting.
- Steam Hoses: Heat + pressure resistant for cleaning.

Sizes and Grades:

- Size Range: From 1/8" to 2" OD.
- Grades: Available in steel for high strength, stainless steel for corrosion resistance, and brass for specific applications.



MANIFOLD VALVES

Manifold valves are specialized components used to consolidate multiple valves into a single unit, allowing for centralized control and regulation of fluid or gas flow in industrial and process control applications. They are designed to streamline installation, simplify maintenance, and optimize space utilization in complex systems.

Function: Manifold valves serve several essential functions:

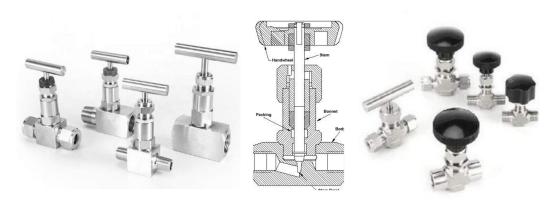
- Consolidation: Combines multiple valves (typically ball, needle, or globe valves) into a single
- assembly. Distribution: Directs flow from multiple sources to one or more destinations. Isolation:
- Provides isolation and shut-off capabilities to control flow paths independently. Pressure
- Regulation: Manages pressure levels within the system for optimal performance. Monitoring:
- Enables monitoring and measurement of fluid or gas flow through integrated instrumentation ports

Specifications:

- Maximum working pressure: 6000psi (414 bar) @ 100°F (38°C). Working temperature range: 65°F
- to 450°F (- 54°C to 232°C) with PTFE packing. Working temperature range: 65°F to 1200°F (- 54°C
- to 649°C) with Graphite packing. End Connections: Includes threaded, flanged, or compression
- fittings for easy integration into piping systems.

Types:

- 2-Valve Manifolds: Simplest form with two isolation valves for basic on/off control. 3-Valve Manifolds:
- Includes an additional vent or calibration valve for pressure relief or calibration purposes. 5-Valve
- Manifolds: Offers more complex configurations with additional isolation and calibration options.
- Double Block and Bleed (DBB) Manifolds: Provides simultaneous isolation and venting capabilities for
- critical applications. Instrument Manifolds: Specifically designed for mounting pressure gauges, transmitters, or other instrumentation devices.



NEEDLE VALVES

Discover Secolok's needle valves, engineered for precise flow control in fluid systems. Designed with durability and performance in mind, our needle valves ensure accurate adjustment of flow rates with minimal increments. Available in various sizes and materials, including stainless steel and brass, Secolok needle valves provide reliable sealing and versatility for a wide range of industrial applications, from oil and gas to chemical processing and beyond.

- Flow Control: Provides precise regulation of fluid flow by adjusting the needle-shaped plunger
- within the valve. Maximum working pressure: 5000psi (345 bar) @ 100°F (38°C). Working
- temperature range: 65°F to 450°F (- 54°C to 232°C).

Specifications:

- Materials: Stainless steel, brass, and other alloys. End Connections: Available in NPT, BSPT,
- and other standard threads for versatile installation options. Operation: Manual operation
- with a rotating handle to adjust the flow rate. Size: OD 1/8"-1", OD 6mm-25mm, 1/8"-
- 1"pipe thread or weld.

Types:

- Straight Pattern: Inline design for straightforward flow
- control. Angle Pattern: Bent shape for convenient installation in tight spaces.

Applications:

- Instrumentation
 Systems Oil and Gas
- Industry Chemical
- Processing
- Laboratory Equipment

Key Features:

- Precision Flow Control
- High Pressure
- Capability Durable
- Construction Variety of End Connections
- Compact Design



BALL VALVES

Secolok's ball valves are robustly engineered for reliable flow control in industrial applications. Crafted from durable materials like stainless steel and brass, these valves ensure long-term performance under varying conditions.

Function:

- Flow Control: Utilizes a spherical closure to regulate fluid flow through a bore. Bubble-Tight
- Shut-Off: Ensures leak-free operation. Easy Operation: Smooth handling with minimal friction.
- High Pressure Rating: Designed to handle pressures up to 6,000 psi and more. Wide
- Temperature Range: Suitable for temperatures from -20°F to 400°F (-29°C to 204°C). Versatile
- End Connections: Available in various sizes and connection types for diverse installation needs.

Specifications:

- Materials: Stainless steel, brass, and other alloys.
- End Connections: Compression, NPT, BSPT, BSPP, Metric, JIC, SAE, Pipe Weld, Tube Butt Weld, Tube Socket Weld, SAE Flange and so on.

Operation: Manual lever or actuator-operated options for ease of use.

Size: OD 1/8"- 1", OD 3mm- 25mm, 1/8"- "pipe thread or weld.

Types:

- Floating Ball Valve
- Trunnion Ball Valve
- Three-Way Ball Valve
- Vented Ball Valve
- Cryogenic Ball Valve
- SAE Ball Valve

Applications:

- Oil and Gas
- Industry Chemical
- · Processing Water
- Treatment HVAC Systems



CHECK VALVES

Secolok's check valves are designed to provide reliable backflow prevention in fluid systems, ensuring fluid flows in one direction while preventing reverse flow. Crafted from high-quality materials such as stainless steel, brass, and PVC, these valves offer exceptional durability and corrosion resistance, suitable for a wide range of industrial applications.

Specifications:

- Operation: Works passively, relying on fluid pressure to open and close the valve. Size: OD 1/8"-
- 1", OD 3mm- 25mm, 1/8"- 1"pipe thread or weld. Material: Stainless Steel, Carbon Steel, Brass,
- Duplex, Super Duplex, Hastelloy, Monel, Inconel, Incoloy, Titanium and so on. End connection:
- Compression, NPT, BSPT, BSPP, Metric, JIC, SAE, Pipe Weld, Tube Butt Weld, Tube Socket Weld and so on.

Function:

- Prevents backflow of fluids by allowing flow in one direction only, closing automatically to prevent
- reverse flow. Maximum working pressure: 6000 psi(414 bar) @ 100g (38~). Working temperature
- range: 10g (-23~) to 375g (191~).
- Cracking Pressure Range: 1/3 psi(0.02 bar) to 100 psi(7 bar)

Types:

- Swing Check Valve
- · Lift Check Valve
- Tilting Disc Check
- Valve Ball Check
- Valve Dual Plate
- Silent Check Valve

Applications:

- Water Supply Systems
- · HVAC Systems Oil and
- · Gas Pipelines Chemical
- Processing Plants Power
- Generation



QUICK RELEASE COUPLING

SecoLok Quick Release Couplings – Fast, Safe, and Reliable SecoLok's Quick Release Couplings (QRCs) provide fast and secure connections for hydraulic and pneumatic systems. Designed for ease of use, these couplings ensure a leak-tight seal with just a push-in connection, eliminating the need for complicated tools. Available in a range of materials such as SS 316, Brass, and Carbon Steel, and compatible with a variety of gases and fluids, SecoLok QRCs deliver high-pressure performance (up to 950 Bar) across diverse applications including mining, hydraulic jacks, and fluid transfer systems.

With industry-standard compatibility (ISO 7241-A, ISO 7241-B), SecoLok's QRCs ensure seamless integration into your system with durability and reliability in even the most demanding conditions.

Quick Release Coupling Standard	ISO 7241-A Norm	ISO 7241-B Norm	203 Series TGW
Applications	 Industrial Agricultural Snow plough Truck trailer connections Mobile applications 	Industrial hydraulics line Offshore Steam systems Cleaning equipment Foods and chemical processing Water and coolant lines Mobile application	Industrial Construction Oil & Gas Material Handling System subject to heavy mechanical loads, high pressures

PRESSURE REGULATOR

- Designed for high-purity, corrosion-resistant gas applications with low PPM moisture sensitivity.
- Available in brass (chrome plated) with SS diaphragm and full SS body options.
- Equipped with inlet and outlet gauges for accurate pressure monitoring.
- Options include piston-type regulators and models for corrosive gases like Ammonia and Chlorine.
- Ideal for lab, chemical, and industrial gas systems.

SecoLok Nitrous Oxide Gas Regulator

- Type: Two-stage
- Material: SS 316 / Brass Chrome-plated body
- Diaphragm: SS 316 with pre-heater
- Pressure Gauges:
 Inlet: 0-280 kg/cm²
 Outlet: 0-14 kg/cm²
- Application: Nitrous Oxide gas regulation

Ammonium/ Chlorine Gases



High pressure single stage regulator with SS 316 body with SS 316 diaphragm with purge value for Ammonium/ Chlorine gases. Inlet pressure 0-42 kg/cm² & Outlet pressure gauge 0-7 kg/cm²

High pressure single stage





- Types Available: Single-stage, Double-stage, Piston
- Material: SS 316 / Brass Chrome-plated
- Diaphragm: SS 316 with Teflon seat
- Pressure Gauges: SS 316 / Brass
- Inlet Pressure: 0-210, 0-280, 0-450 kg/cm²
- Outlet Pressure: 0-2, 0-7, 0-10, 0-16, 0-40, 0-70, 0-100, 0-280 kg/cm² (customizable)
- Flow Rate: 300 LPH (max)
- Gas Services: Air, N2, H2, He, Acetylene, Argon, N2O, Methane, Ammonia, HCl, Chlorine, SO2, Isobutene & more
- Outlet Connection: 1/4", 1/8" Swagelok / Hose
- Inlet Connection: Customizable to gas requirements

This version is brief, focusing on the key specs and features. Let me know if you need more adjust

SecoLok Ammonia Gas Regulator

- Type: Single-stage
- Material: SS 316 body and diaphragm
- Diaphragm: SS 316 with Teflon seat
- Pressure Gauges: SS 316
- Inlet Pressure: 0-42 kg/cm²
- Outlet Pressure: 0-7 kg/cm²
- Flow Rate: 300 LPH (max)
- · Gas Services: Ammonia
- Outlet Connection: 1/4", 1/8" Swagelok / Hose
- Inlet Connection: Customizable based on gas requirements
- Key Features: Durable, easy installation, ideal for high-pressure ammonia gas regulation

CO, CO2, Helium, Argon, Oxygen, Cl2, H2S, SO2, NH3, N2, H2, Air, Gases Regulators

HIGH PREESSURE PISTON TYPE REGULATOR



- Material: Brass chrome-plated body / SS 316 body
- Pressure Gauges:
 - Inlet: 0-280 kg/cm²
 - · Outlet: 0-100 kg/cm² (customizable)
- Gas Services: O2, Ar, He, CO2, N2, H2, Air, and other gases
- Key Features:
 - High-pressure piston-type design
 - Reliable for various industrial and laboratory gases
 - Durable and corrosion-resistant construction

LINE REGULATOR HIGH PRESSURE



- Type: Single / Two-stage pressure regulator
- Material: SS diaphragm with stainless steel body
- Inlet Pressure: 150 Bar / 210 Bar (kg/cm²)
- Outlet Pressure: 7 / 14 / 40 / 100 / 140 Bar (kg/cm², adjustable)
- Pipe Sizes: ½", ¼", 1", 2" with NRV safety valve
- Key Features:
 - Accurate pressure regulation from 150 Bar to 0-7
 Bar
 - Customizable outlet pressure settings
 - Reliable for high-pressure pipeline systems

SAFETY RELIEF VALVE

- Purpose: Prevents equipment damage by releasing excess pressure in overpressure situations.
- Sizes Available: From 1/4" to 4" NPT.
- Material Options: Stainless steel, brass, and other industrial-grade alloys.
- Valve Types:
- Spring-Loaded Simple, reliable pressure release
- Pilot-Operated Precise control for high-pressure systems
- Thermal Relief Activates under temperature rise in closed systems
- Key Features:
- · Accurate pressure settings
- Durable construction
- · Compliant with international safety standards
- Applications: Oil & Gas, Chemical Processing, Manufacturing and Industrial Equipment.



THERMOWELL

- Purpose: Shields temperature sensors (like thermocouples & RTDs) from high pressure, flow, and corrosive media.
- Materials Available:
- Stainless Steel (SS304/316) For high-pressure and corrosive environments
- Brass For general-purpose and non-corrosive applications
- Sizes & Configurations:
- Available in various stem lengths, bore sizes, and threaded, flanged, or weld-in styles
- Customizable to fit all standard sensor types and process connections
- · Key Features:
- · Rugged construction for long service life
- Easy sensor insertion/removal
- · Standard and custom fitment compatibility
- Applications: Oil & Gas, Chemical Processing, Food & Beverage, Pharmaceuticals.
- Why Secolok? Reliable sensor protection and precise measurement built for demanding process conditions.

