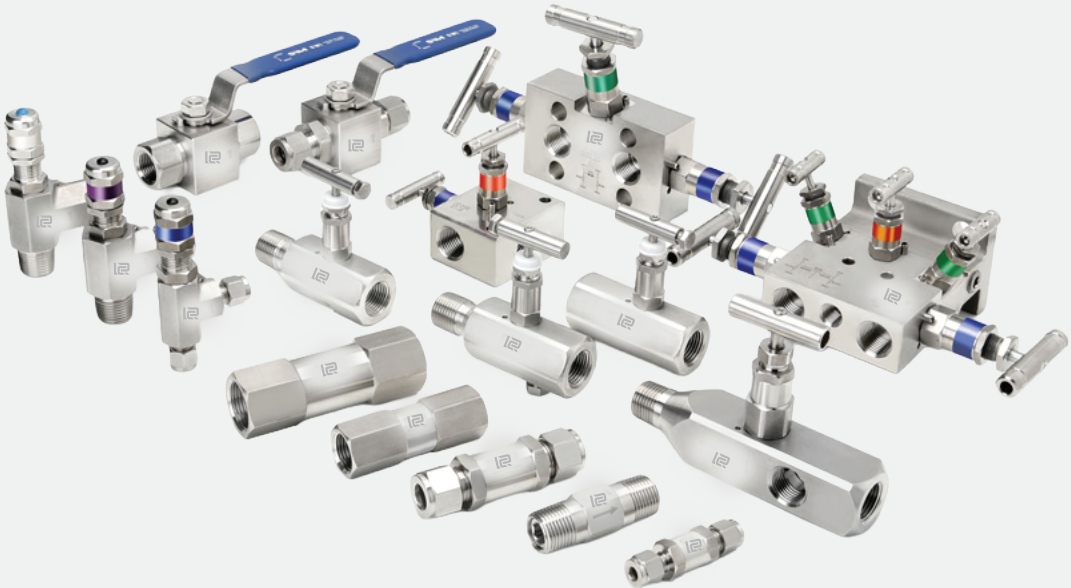




**Flow Dynamics**  
Precision in every flow

# LQR Flow

Dynamics Solutions - L.L.C - S. P. C



**INSTRUMENTATION FITTINGS | VALVES | MANIFOLDS**

# ABOUT US

## Linear-Quadratic Regulator

LQR Flow Dynamics Solutions – LLC – S. P. C is a trusted provider of advanced flow control products and engineered solutions for industrial applications. We are committed to delivering high-quality valves, fittings, and flow systems that meet international standards of performance, safety, and reliability. With a focus on innovation, technical expertise, and customer satisfaction, we support our clients with dependable solutions designed for long-term operational efficiency.

### MISSION

Our mission is to provide innovative and reliable flow control solutions that meet the highest standards of quality and performance.

### VISION

Our vision is to be a global leader in industrial fluid systems, delivering advanced solutions that drive efficiency and sustainability.

### VALUES

We are guided by integrity, quality, and customer satisfaction in every project we undertake, ensuring long-term trust and reliability.

## Why Choose Us..?



### Quality Assurance

We supply products that meet international standards and are tested to ensure durability, safety, and consistent performance.



### Technical Expertise

Our experienced engineers and specialists provide expert guidance and practical solutions for complex flow control challenges.



### Customer-Centric Approach

We work closely with our clients to understand their needs and deliver tailored solutions with responsive support.

## INSTRUMENTATION FITTINGS | VALVES | MANIFOLDS



# Ball Valve

Size Range: 1/4"-1" pipe thread, 1/4" O.D. - 2" O.D.

Working Pressure: Upto 20,000 PSI (threaded)

Working Temperature: PEEK seat: - 65 Deg F (-54 Deg C) to 500 Deg F (260 Deg C)

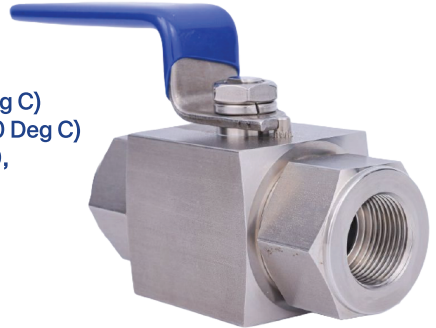
PVDF seat: - 22 Deg F (-30 Deg C) to 265 Deg F (130 Deg C)

Devlon seat: - 315 Deg F (-193 Deg C) to 392 Deg F (200 Deg C)

Materials: SS 316 (Standard), SS 304, Brass, Monel 400, Hastelloy C-276 (on request)

Features:

1. Panel and screw mountable
2. Viton O-rings
3. Adjustable packings to extend service life
4. Non Rotating stem tip



# Needle Valves



Size Range: 1/2" - 1" pipe thread

Working Pressure: Upto 10,000 PSI

Working Temperature: upto 464 Deg F (240 Deg C) with PTFE packings upto 842 Deg F (450 Deg C) with Graphite packings upto 200 Deg F

93 Deg C) with POM soft seat

Materials: SS 316 (Standard), SS 304, Brass, Monel 400, Hastelloy C-276 (on request)

Features:

1. Viton O-rings
2. Adjustable packings to extend service life
3. Non Rotating stem tip
4. Optional bleeding screw, panel mountable

# Manifold Valves

Size Range: 1/4" -1/2"

Working Pressure: Upto 10,000 PSI

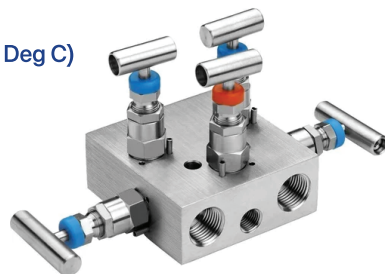
Working Temperature: -65 Deg F (-54 Deg C) to 464 Deg F (240 Deg C)

Materials: SS 316 (Standard), SS 304, Brass, Monel 400,

Hastelloy C-276 (on request)

Features:

1. 2-Way, 3-Way & 5-Way Design As Per Requirement.
2. Remote or Direct Mounting
3. Colour Caps to identify valve function
4. Non rotating stem tips



# Tube Fittings

Size Range: 1/8" - 1-1/2"

Working Pressure: Upto 6000 PSI

Materials: SS 316 (Standard), SS 304, Brass, Monel 400, Hastelloy C-276 (on request)

Features:

1. Conforming to ASTM F1387/ISO 8434-1 (two-ferrule compression design)
2. The two ferrule optimize sealing and tube gripping function to provide excellent leak-tight connection
3. A variety of configurations



# Pipe Fittings

Size Range: 1/8" - 2"

Working Pressure: Upto 10,000 PSI

Materials: SS 316 (Standard), SS 304, Brass, Monel 400, Hastelloy C-276 (on request)

Features:

1. Used for process control and instrumentation connections
2. Precision machined from forgings for shaped fittings and from bar stock for straight connectors
3. Superior threads as per ASME B1.20.1 (NPT)/ISO 7-1 (BSPT) to provide reliable performance



# Condensor Port

- Proper design of the condenser port ensures smooth flow and minimizes pressure loss within the system. It also supports effective temperature control, improving overall system performance. Well-maintained condenser ports contribute to energy efficiency and long-term equipment reliability.
- Customization Available as per requirement.



# Chek Valve (NRV)

Size Range: 1/4" - 2"

Working Pressure : Upto 10,000 PSI

Working Temperature: - 10 Deg F (-23 Deg C) to 392 Deg F (200 Deg C)

Materials: SS 316 (Standard), SS 304, Brass, Monel 400, Hastelloy C-276 (on request)

Cracking Pressure : Factory set; custom cracking pressure available on request

Features:

1. Viton O-rings
2. Stainless steel ball



# Multiport Gauge Valves

Size Range: 1/4"-1/2"

Working Pressure: Upto 10,000 PSI

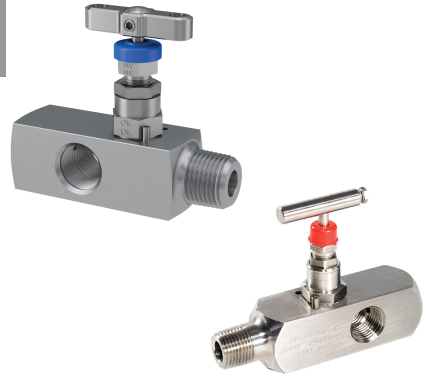
Working Temperature: -65 Deg F (-54 Deg C)

to 464 Deg F (240 Deg C)

Materials: SS 316 (Standard), SS 304, Brass, Monel 400, Hastelloy C-276 (on request)

Features:

1. Adjustable PTFE packings
2. Non rotating stem tips
3. Graphite packings for high temperature application
4. Standard gauge valve, longer body gauge root valve in 194 mm



## INDUSTRIES WE SERVE



OIL & GAS



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OFFSHORE



DAIRY &  
PHARMA



TANK FARM



FOOD &  
BEVERAGE



AGRICULTURE &  
FERTILIZER

## WE ARE ALSO A TRUSTED SUPPLIER FOR

- Flow Control Valves
- Panel Mounting Ball Valves
- Safety Valves (PRV)
- Medium & High Pressure Valves & Fittings
- QRC and Pressure Regulator

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## CATEGORIES

**Precision Pipe Fittings**

**Ball Valve**

**Needle Valve**

**Check Valve (NRV)**

**Air Headers & Manifold Valve**

**Gauge Accessories**

**Tube Fittings**



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**website**

**INSTRUMENTATION FITTINGS | VALVES | MANIFOLDS**