



Industrial Valves  
[www.ivimanifolds.com](http://www.ivimanifolds.com)

# PRODUCT CATALOGUE

Manufacturers of Instrumentation Valves, Instrument Manifolds,  
Block and Bleed Valves, High Pressure Needle Valves & Fittings,  
Compression & Pipe Fittings and Instrumentations Accessories



GUARANTEED RELIABILITY WITH ECONOMY

# WELCOME

## INTRODUCTION

For the past 20 years, we at Industrial Valves have strived to manufacture and supply high quality valves and fittings for critical services in Oil, Gas, Petro-Chemicals, Fertilizers, Power Generation and many other Industrial Applications. During this period, we have established many strong relationships with our clients and vendors which stand as a testament to our excellent quality and genuine prices.

Backed by an enormous inventory, our variety of Pipeline and Instrumentation Valves, Manifolds and Fittings are offered in various materials of your choice and are always on the shelf, ready to be shipped on time with conformation to the relevant industry standards.

### MISSION

We fully understand the value of time, money and resources. Hence, we do our best to manufacture products that live up to the expectations of our clients. Our conviction towards the industry and our clients has rewarded us with complete, unbridled customer satisfaction.

### VISION

Since our inception, our aim has been to exceed our client's expectations in terms of quality, design, development and delivery.





# QUALITY STANDARDS

IVI Quality Management system has been certified to comply with the requirements of **ISO 9001:2015, PED 2014/68/EU and ATEX 2014/34/EU**. IVI's Needle Valves and Manifolds are type tested to **MSS-SP-99** and the Tube Fittings are in accordance with **ASTM F-1387**. This confirms IVI's commitment and high regard for quality. All our products are Designed, Manufactured, Inspected and Tested as per the required guidelines in our state of the art facility using statistical techniques and tools which have been adopted or developed internally to continuously improve the process capability.



# FACILITIES

## INFRASTRUCTURE

We have a fully equipped and functioning factory encompassing an area of around 10,000 sq. ft. and are geared with the state of the art machineries, which, includes:

- CNC Turn-Mill Centers.
- CNC Turning Centers.
- CNC Milling Centers.
- CNC Band-Saw machines.
- Conventional Lathe and Drill machines.
- Semi-Automated Traub machines.

The facilities available at IVI functions to ensure that the quality is never comprised. Other facilities include:

- Design & testing Facilities.
- Pneumatic testing up to 2000 Psi.
- Hydraulic testing up to 60000 Psi.
- Hardness testing.
- Ultrasonic Cleaning.
- Laser Marking.
- PMI Testing.

SCADA Multi Test (mentioned below) bench for testing Facilities as per ASTM F1387 for Mechanically Attached Fittings :

- Pneumatic Proof Test.
- Hydrostatic Proof Test.
- Impulse Testing.
- Flexure Fatigue Testing.
- Tensile Pull-Out Test.
- Hydrostatic Burst Testing.
- Rotary Flexure Testing.
- Vibration Testing Equipment.
- Elevated Temperature Soak Test.
- Vacuum Testing.

“ IVI has taken steps towards a 40,000 sq ft manufacturing unit and is looking forward to setting it up soon.

# FACTORY

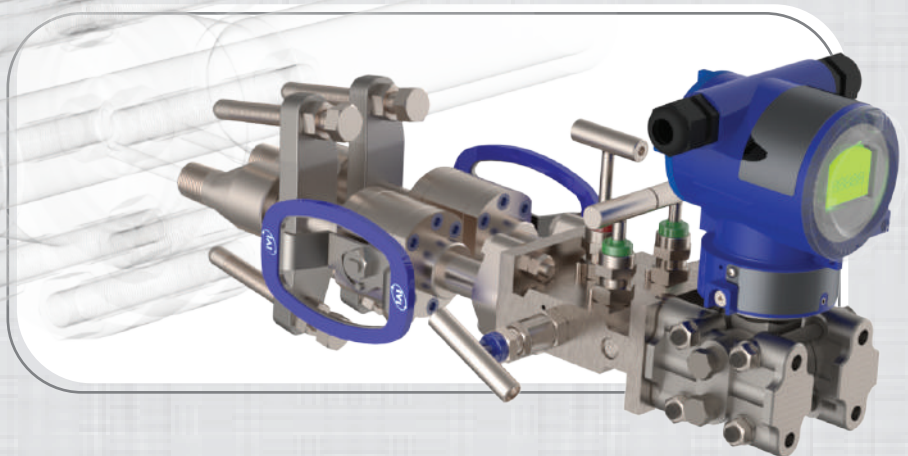
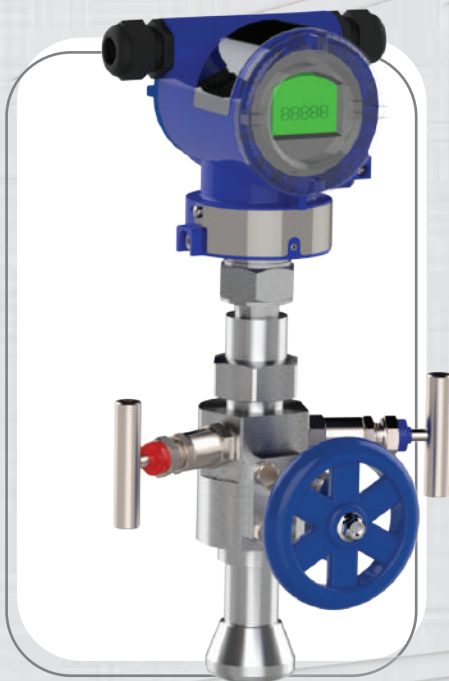




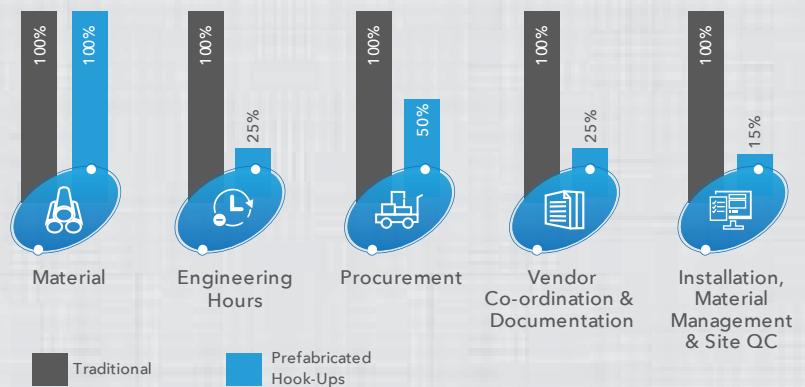
# HOOKUPS

An alternative approach to traditional instrumentation Engineering. Challenging traditional field hook-up assemblies with progressive verified technologies.

- Save on Engineering Hours.
- Reduce Installation Cost and Increase Safety.
- Early Startup and Commissioning.
- Reduce NPT Connections and Leak Points.
- Increase in Precision of readings.
- Reduce Engineering and Procurement time.



## TRADITIONAL VS PRE-FAB HOOK-UPS



# BLOCK & BLEED VALVES

- Available in Needle-Needle-Needle and Ball-Needle-Ball configurations.
- Flange x Flange, Flange x Screwed and Screwed x Screwed connections are available.
- Flange connections from ½" – 2" and Class 150 to Class 2500 rated.
- Reduced and full bore options for various applications.
- OS&Y Bolted Bonnet available on request.
- Process (Slimline) and Instrument Monoflanges available.
- Available in SS 316, SS 316L, Duplex, Super Duplex, Hastelloy, Inconel and Monel.
- NACE MR-0-175 materials are available on request.

- Offshore oil & gas production
- Offshore terminals
- Chemical, petro-chemical, refining
- Control panel manufacturers
- Process/power industry contractors
- Compressor manufacturers
- LNG carrier

- Double block & bleed instrument isolation
- Gauge isolation
- Instrument drain
- Chemical injection connection
- Sample connection
- Chemical instrument isolation
- Piping/instrument interface
- Direct mounting of instruments
- Remote mounting of instruments

- More compact design
- Reduced weight
- Reduced Height
- Reduced leakage point
- Reduced effect of system vibration
- Supporting bracket are not required
- Reduced bending moment acting on the vessel branch fitting weld
- Reduced installation cost
- Reduced gasket and bolting

MARKET

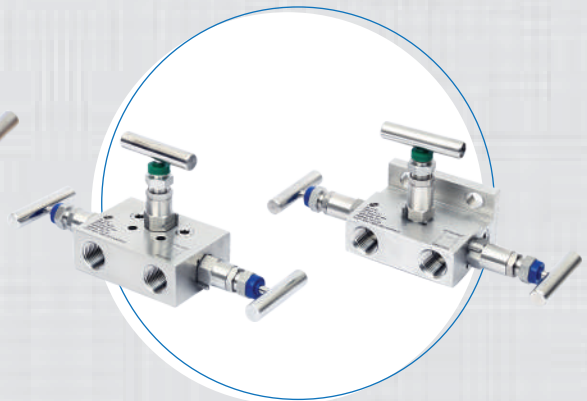
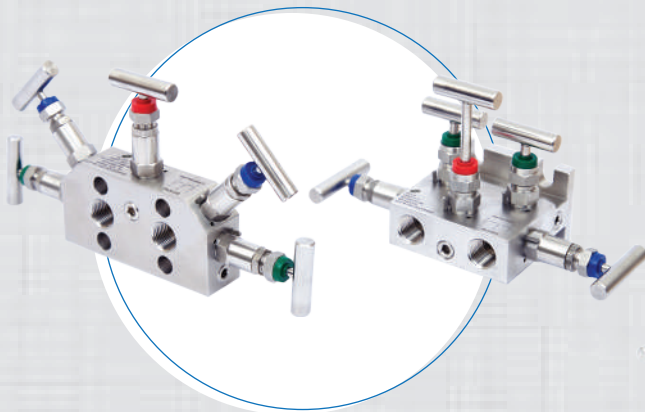
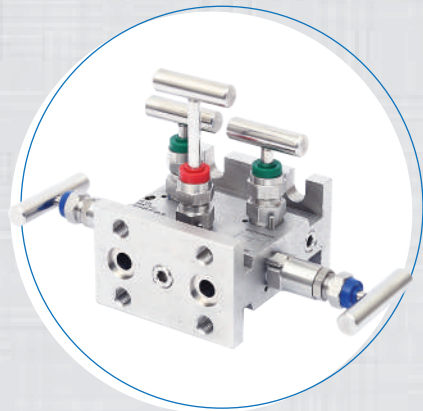
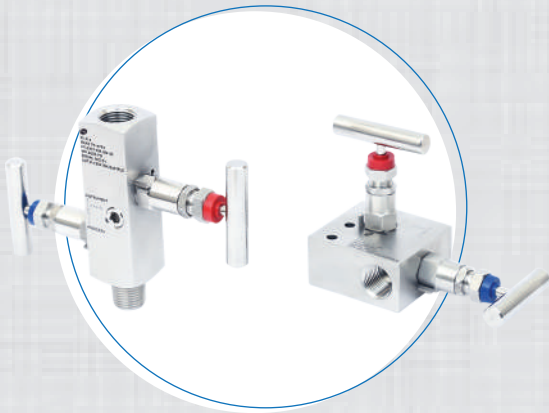
APPLICATION

INSTALLATION  
ADVANTAGES



# VALVE MANIFOLDS

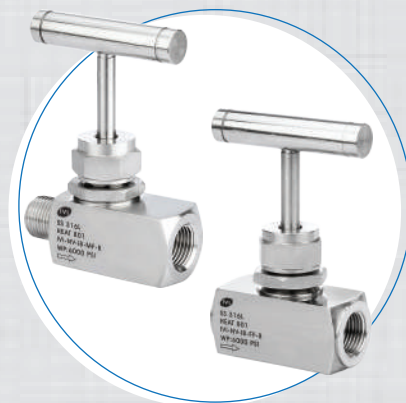
- Designed for connecting impulse lines and transmitters.
- Convenient method of blocking, bleeding and calibrating pressure transmitters.
- Combines the function of a tee, calibration valve, isolation valve, all tubing and fittings in a single configuration.
- Available in 2,3 and 5 Valve configurations.
- Available in Pipe to Pipe, Pipe to Flange, Flange to Flange, Integral Mount, Remote Mount and Base Vented Mounting options.
- Standard working pressure : 6000psi with PTFE packing. Grafoil offered for higher temperatures.
- Low operating torque.
- Type tested to MSS-SP-99.
- Available in SS 316, SS 316L, Duplex, Super Duplex, Hastelloy, Inconel and Monel.
- NACE MR-0-175 materials are available on request.





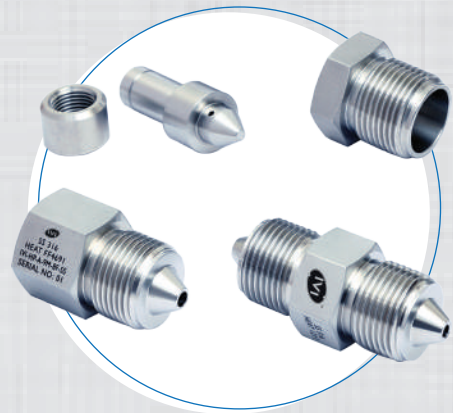
# NEEDLE VALVES

- Available in Bar stock construction and Forged body construction.
- Available in Hex, Square, Angle, Mini and Integral series.
- Standard working pressure : 6000psi with PTFE packing. Grafoil offered for higher temperatures.
- 10000psi Valves are available.
- Standard Integral metal seats. Soft seated valves are available on request.
- Standard NPT end connections. BSP/BSPT/ANPT/Metric/Tube OD end connections are also available.
- Low operating torque.
- Type tested to MSS-SP-99.
- Available in SS 316, SS 316L, Duplex, Super Duplex, Hastelloy, Inconel and Monel.
- NACE MR-0-175 materials are available on request.



# HIGH PRESSURE NEEDLE VALVES AND FITTINGS

- High pressure Needle Valves up to 30000psi working pressure.
- Screwed bonnet Needle Valves along with Integral seat.
- Testing Pressure : Hydrostatic Seat : 33000psi  
Hydrostatic Shell: 45000psi  
Pneumatic Seat : 1000psi
- Available in Straight and Angle Patterns.
- Available in Two-Way and Three-Way configurations.
- Connection sizes: 1/4", 3/8" and 9/16"
- Available in SS 316, SS 316L, Duplex, Super Duplex, Hastelloy C-276, Monel and Inconel.
- Material in accordance with NACE MR 0175 available on request.
- High pressure pipe fittings and accessories also provided including Glands, Collars, Nipples, Adaptors and Tubes.



# BALL & CHECK VALVES

## BALL VALVES

- Bar stock construction.
- 2 way on-off and 3 way switching models.
- Available in Panel Mount configurations.
- Low operating torque.
- Straight and Angle Patterns.
- Bi-Directional flow.
- Handle indicates flow direction.
- Standard working pressure: 6000psi with PTFE/RPTFE/PEEK packing.
- Ball Valves with 10000psi working pressure are available on request.
- Available in NPT End connections. BSP/BSPT/Metric/Tube OD end connections available on request.
- Testing procedure is in accordance with MSS-SP-99.
- Available in SS 316, SS 316L, Duplex, Super Duplex, Hastelloy, Inconel and Monel.
- NACE MR-01-75 materials are available.



## CHECK VALVES



- Available in 1/8" to 1" NPT, BSP with Male, Female or Tube End Connections.
- Standard materials: Stainless Steel 316, Brass, Hastelloy C-276, Inconel 625 and Monel 400.
- Pressure Rating: 6000 psig (413 bar).



# GAUGE ROOT & BLEED VALVES

## GAUGE ROOT VALVES

- Bar Stock Construction.
- Standard working pressure: 6000 psi with PTFE packing. Grafoil used for higher temperatures.
- 10000 psi Valves are available.
- Standard integral metal seat. Soft seated valves available on request.
- Low operating torque.
- Type tested to MSS-SP-99.
- Available in SS 316, SS 316L, Duplex, Super Duplex, Hastelloy, Inconel and Monel.
- NACE MR-01-75 materials are available on request.



## BLEED VALVES

Bleed valves can be used on instrumentation devices such as multivalve manifolds or gauge valves to vent line pressure to atmosphere before removal of an instrument or to assist in calibration of control devices.

- Convenient installation.
- Standard Male NPT end connections.
- Working pressures up to 10000 psi.



# TUBE FITTINGS

## COMPRESSION TUBE FITTINGS

- Available in 1/8" through 1".
- Straight, Elbow, Tee and Cross connectors available.
- Through bore fittings are available on request.
- In accordance with ASTM F1387.
- Silver plated nuts for anti-galling of threads.
- Hardened back ferrules.
- Components interchangeable with leading international brands.
- Available in SS 316, SS 316L, SS 304.
- NACE MR-01-75 compliant materials are available.
- DIN 2353 Hydraulic Fittings are also available.



# PIPE FITTINGS

## PRECISION PIPE FITTINGS

- Available in 1/8" through 2".
- Rugged Forged body or Bar stock construction.
- Standard NPT end connections. BSP/BSPT/ANPT/Metric end connections are also available.
- Maximum working pressure upto 15000 psi.
- Available in SS 316, SS 316L, Duplex, Super Duplex, Hastelloy, Inconel and Monel.
- NACE MR-01-75 materials are available on request.





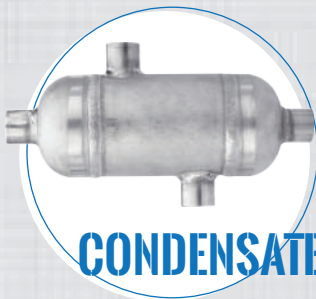
# THERMOWELLS & ACCESSORIES

## THERMOWELLS

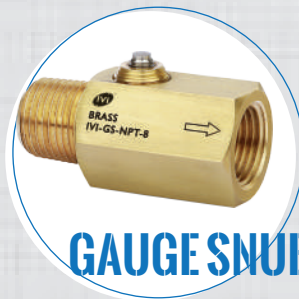
- Thermowells provide reliable heat-transmission performance under high temperature, high pressure, and corrosive conditions.
  - Rugged mechanical construction ensures resistance to distortion under sharp temperature fluctuation conditions.
  - Various designs like Straight, tapered & stepped shank are available.
  - Standard instrument connection is 1/2 NPT, other connections are available.
- Materials include 316 SS, 304 Carbon steel & Brass.



## INSTRUMENTATION ACCESSORIES



**CONDENSATE POT**



**GAUGE SNUBBERS**



**GAUGE SYPHON**



**MOUNTING BRACKETS**

# GENERAL FEATURES

Heat Code Traceability.

All products are 100% Factory tested.

All components are cleaned ultrasonically prior to assembly.

Hydrostatic Seat test is performed at 1.1 times the working pressure.

Hydrostatic Shell test is performed at 1.5 times the working pressure.

Pneumatic Seat Test is carried out at 1000psi Nitrogen.

Optional tests like Helium leakproof are also available.

3.1 Certificates Furnished.



## Industrial Valves

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