



HIGH PRESSURE TECHNOLOGY

EXCELLENCE WORLDWIDE

**VALVE  
COMPONENTS  
& PETROCHEMICAL  
SOLUTION**

[www.highpressuretechnology.it](http://www.highpressuretechnology.it)



## START FROM A SIMPLY IDEA ACHIEVING A HIGH-TECH PRODUCT

There is a common point of view between us and our partners-manufacturers and this is the way in which each product is born and developed from a simple idea. The products are conceived by their creators' intelligence and ability to hand over their knowledge to engineers and professionals who will design and make the product. Thanks to the synergy between its designers and developers, Italian companies are appreciated all over the world and have become leading lights in the industry.

HPT provides constant innovation, efficient processes, the careful choice of certified raw materials, a large investment in research, the conformity with the most important regulations, granting to our Partners the highest quality capable to compete with lots of companies in the Oil & Gas field.



**We are the perfect Partner to support the achievement of your goals**



## EXCELLENCE WORLDWIDE

### Company Type:

We select Italian excellences mainly, but also foreign ones, by researching the best manufacturers with a strong experience and historic tradition and transforming small realities in great international excellences.

Our company connects companies in the Oil&Gas field by proposing itself as a link between request and offer on specific products in this area.

### Strong points:

Direct and continuous link with the manufacturers, 30 years experience in this market and in our products, immediate solutions offered.

### Address to:

Distributors and/or customers all over the world, who are able to recognize excellent production realities which make the difference.

### Philosophy:

We believe in the strength, bravery and passion of the manufacturers and we firmly believe the quality of the product represents what we are and the values we believe in.

### Mission:

To expand more and more our activity based on the current results and on the exciting will to know new markets and new people who believe in our project.

## Instruments

- Needle Valves
- Manifold Valves
- Check Valves
- Instruments Ball Valves
- Monoflange Valves
- DBB Valves

## Fittings

- Check
- Bleeder
- Grease Fittings

## High Pressure

- HP Valves
- HP Accessories
- HP Adapters
- HP Seamless Tubings
- Liquid Pumps
- Gas Boosters
- Systems



# INSTRUMENTS PRODUCTS

## Bar stock needle valves

HPT Instrumentation Valves are designed for mounting to Pressure Gauges, Pressure Transmitters and Pressure Switches. The standard types are equipped with a bleed screw. A diverse range of options and the relevant accessories are available.

## Bar stock manifolds

HPT produce a variety of 2-3 and 5 valve instruments manifolds in direct and remote mount style with vent.

## Check valves

The check valves are used to avoid contamination in the purge systems or to protect the measuring and controlling instruments.

### Features:

- Bar stock with outside screwed bonnet
- Threaded, socket welding and flanged
- Nominal operating pressure: 6,000 psi (413 bar) - 10,000 psi (689 bar)
- Packing material PTFE / GRAPHOIL
- Connections: from 1/4" to 1"
- Standard material 316/316L
- Other material upon request

## Instruments ball valves

HPT three piece simple ball valve is designed to provide higher strength.

### Features:

- Rating 6.000 psi (414 bar) or 10.000 psi (689 bar)
- PEEK packing standard
- Temperature rating from -40°C / +260°C (104°F / + 500°F)
- Standard material 316/316L
- Connections from 1/4" to 1"
- Locking Device option also available

## Monoflange Valve

For direct and close mounting to the flange connection of process isolating valves on horizontal and vertical pipe lines. Compact block, block and bleed, double block and bleed.

### Features:

- ANSI B16.5 flanges from 1/2" to 2"
- Instrument connections 1/2" NPT ANSI B1.20.1
- Drain connection 1/4" NPT ANSI B1.20.1
- Rating from 150 lbs to 2500 lbs
- Standard material 316/316L
- Other material upon request



## Double Block & Bleed Valves

HPT instrumentation products provide the ultimate suitable solutions for an integral block & bleed valve, which consists of one piece forged body. It provides lots of benefits, featuring a choice of end.

### Features:

- ANSI B16.5 flanges from 1/2" to 2"
- Instrument connections 1/2" NPT ANSI B1.20.1
- Drain connection 1/2" NPT ANSI B1.20.1
- Rating from 150 lbs to 2500 lbs
- Standard material 316/316L
- Other material upon request



## HIGH PRESSURE COMPONENTS

### Pressure up to 60,000 psi (41378bar)

High-Pressure Valves and accessories designed for liquid and gas flow control.

- High Pressure Valves
- Accessories
- Adapters
- Seamless Tubings

### Features:

- Pressure range 15,000 – 60,000 psi
- Available with NPT connections from 1/4" to 1"
- Available with MP/HP connections
- Standard materials AISI 316L and PTFE
- Non rotating stem prevents galling and scoring



## COMPRESSION SYSTEMS

### Air Driven Liquid Pumps

HPT Single/Double Acting is an air operated liquid pump for pressure testing, chemical injection and hydraulic power. It is characterized for compact size, minimal weight and it can operate in lots of environments.



### Features:

- Pressure up to 100,000 psi (6890 bar)
- Wide selections of models, pressure ranges and flows
- Compact and innovative design
- Sturdy and easy to maintain

### Frame configuration

All HPT Liquid Pumps and Gas Boosters can be installed on stainless steel frames or portable cases, in order to be easily transportable.

### Gas Boosters

Flexible and efficient air-driven gas boosters for delivering high-pressure gases. HPT gas boosters operating principle is similar to a pressure intensifier. A large air piston is charged with a low pressure (air piston) and works on a small area with (high pressure piston).

### Features:

- ANSI B16.5 flanges from 1/2" to 2"
- Instrument connections 1/2" NPT ANSI B1.20.1
- Drain connection 1/4" NPT ANSI B1.20.1
- Rating from 150 lbs to 2500 lbs
- Standard material 316/316L
- Other material upon request







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HIGH PRESSURE TECHNOLOGY a brand of: LAVORAZIONI TECNOLOGICHE SRL- ITALY