

- Instrumentation valves and Fittings
- Hydraulic Fittings
- Flow Process Instruments
- Pressure Gauge
- Temperature Gauge
- Thermowells & Flanges
- RTDs

**CHINTAMANI**  
Engineering Industries India Pvt. Ltd.





## Introduction

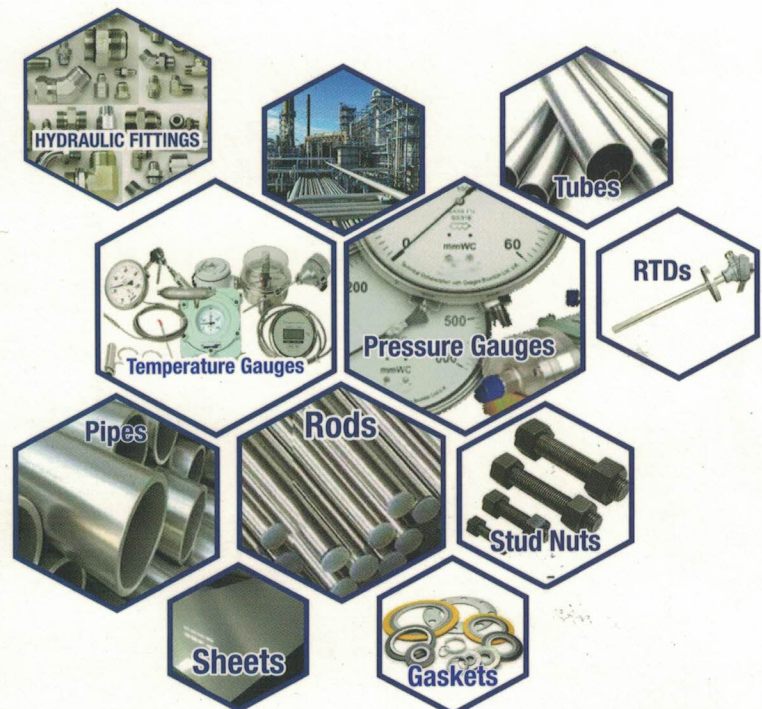
Chintamani Engineering Industries India Pvt Ltd was started in the year 2012. Since its inception, CEIPL is totally committed towards quality .

We manufacture Instrument Fittings, Valves, Manifolds and fabricated products those are widely used in flow applications in Instrumentation Industry.

Adherences to Quality Systems and strict dimensional tolerances guarantees the quality of products and reliable performance on the field.

The factory is equipped with modern CNC machines and in house testing facility to ensure product testing at various stages.

We believe in offering quality products with minimum lead time at reasonable prices to satisfy our customer needs.





## GAUGE COCKS



- PTFE adjustable packing installed below operating threads to prevent media contamination or lubricant washout of operating threads
- Spindle for longer durable operation
- Generally used with the Syphon, provides On/Off Service up to 1500 PSI

Material used : SS 304 / SS 316

Type : 2 way and 3 way.

Working pressure up to 2,000 PSI.

Sizes : 1/8", 1/4", 3/8", 1/2" BSP / NPT.

Connection : Male-Female, Female-Female, Male-Male.

## GAUGE SAVER / GAUGE PROTECTORS

Gauge saver / Gauge Protector are intend to protect the pressure gauge against the effect of pressure that exceed the maximum pressure rating of the pressure gauge.



**GAUGE SAVER**

### Low pressure :

Sizes : 1/4", 3/8", 1/2" BSP / NPT

Set pressure 30 PSI to 60 PSI

Material : SS 316 / SS 304

### Normal pressure :

Sizes : 1/4", 3/8", 1/2" BSP / NPT

Set pressure : 60 PSI TO 1500 PSI

Material : SS 316 / SS 304

### HIGH pressure :

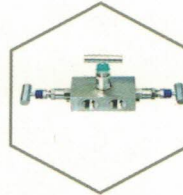
Sizes : 1/4", 3/8", 1/2" BSP / NPT

Set pressure 1500 PSI to 6000 PSI

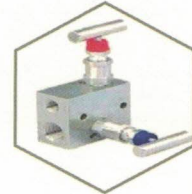
Material : SS 316 / SS 304

## MANIFOLD VALVES

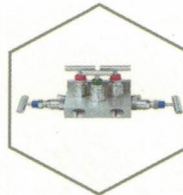
3 Way  
Manifold



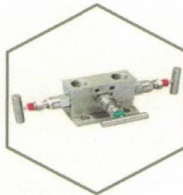
2 Way  
Manifold



5 Way  
Manifold



3 Way  
T type



Max. Pressure : 400bar/6000psi

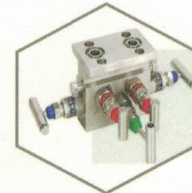
Max. Temp. : 240° C

Material : SS 304 / SS 316

Gland Packing: PTFE

Std. Process Connection : 1/2" NPT (F)

Std. Drain Connection : 1/4" NPT (F)



## NEEDLE VALVES

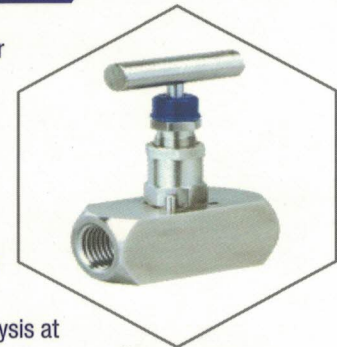
Body Construction by forged or bar stock.

The complete range includes different instrument Tube valves for different application.

Material used : SS 304 / SS 316

Straight and angled body isolating or accurate metering.

Used for liquid, gas or vapour analysis at high temperature in which pressure ranges up to 10,000 PSI.



**NEEDLE VALVE**

Sizes : 1/4", 3/8", 1/2", 3/4", 1"

Thread Type – (Male-Female), (Female-Female) (Male-Male)  
(BSP / NPT Thread)



## SNUBBERS

Snubber / Pulsation Dampeners Are Used For Protect Pressure Gauge From Sudden Pressure Changes And Fluctuation Of Pressurising Fluid. Sudden Pressure Changes Are Dampened Before They Reach The Pressure Sensing Element To Minimise Stress On It And Giving It Longer Life. These Find Applications In Hydraulic Machines, Compressors, Process Plants Etc.

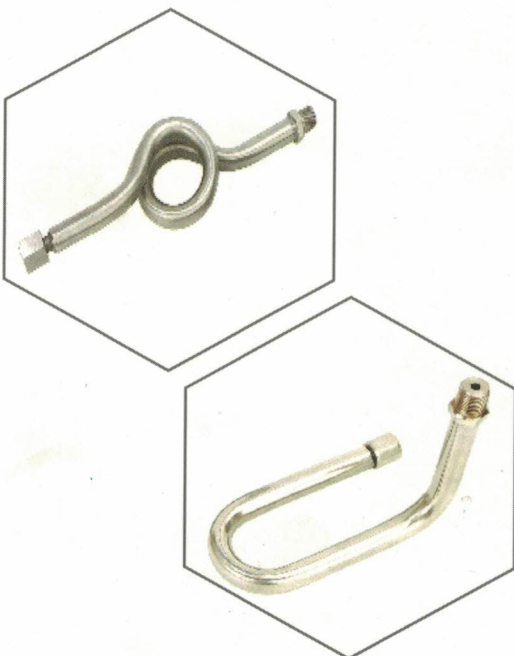
Material Used : Ss 304 / Ss 316  
Working Pressure : Up To 400 Kgs.  
Sizes : 1/4" To 1" (male-female Bsp/npt Thread)



## SYPHONS

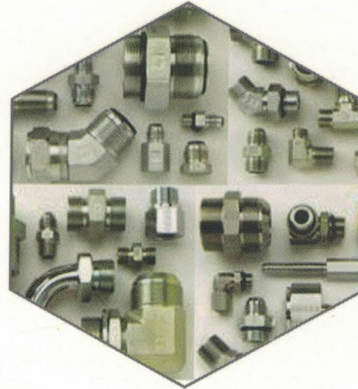
Material used : SS 304 / SS 316  
Used for liquid, gas or vapour analysis at high temperature in which pressure ranges up to 6,000 PSI.

Pipe Size : 1/4", 3/8", 1/2".  
Sizes : 1/4", 3/8", 1/2"  
Thread Type – (Male-Female), (Female-Female) (Male-Male) , (BSP / NPT Thread)

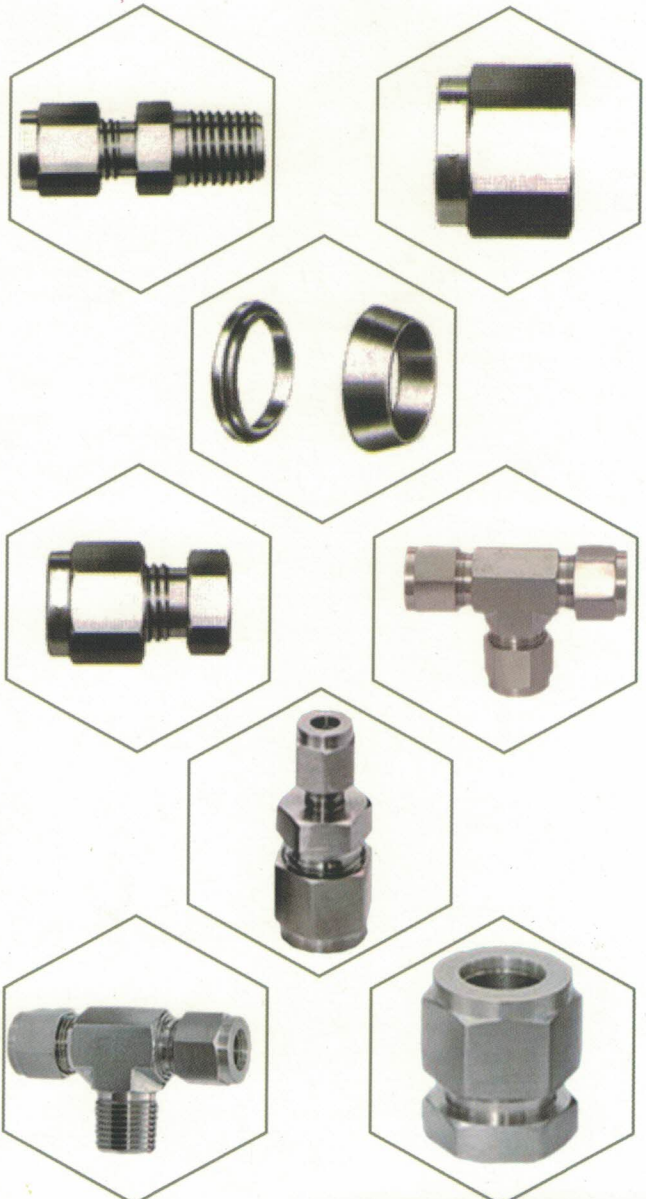


## HYDRAULIC FITTINGS

Material used : SS 304, SS 316, Monel400/500 Hastelloy C276, Nickel 200, titanium Grade 2, A105



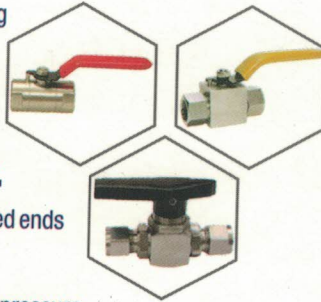
## TUBE FITTINGS





## BALL VALVES

2-way on off 3,4or 5 way Switching Models. Heavy directional black phenolic handle or lever handle. Blow-out proof bottom loaded stem. Low operating torque and with panel mounting facelifts. Series of end connections 1/4" to 1" NPTand BSP. Male or female threaded ends Single or twin ferrule tube fitting ends. Floating Ball design for positive sealing. Maximum working pressure upto 10000 PSI



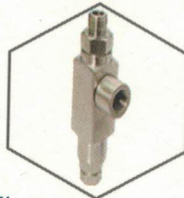
## GATE VALVES

Size : 1/2" to 4" (15mm to 100mm)  
Design & Manufacturing Standard : Confirm to BS 5352  
Pressure Test Standard : BS 6755  
Body & Bonnet : AISI 304/316  
Ends : Screwed to BSP / BSPT/NPT  
Test Pressure: Body - 425 psig (30kg/cm2) Seat - 300 psig (21 kg/cm2)  
Optional : Pressure Rating : 300#  
Other Material & Specification are welcome



## PRESSURE RELIEF VALVES

The pressure relief valve (PRV) is a type of valve used to control or limit the pressure in a system or vessel which can build up for a process upset, instrument or equipment failure, or fire. The pressure is relieved by allowing the pressurised fluid to flow from an auxiliary passage out of the system.



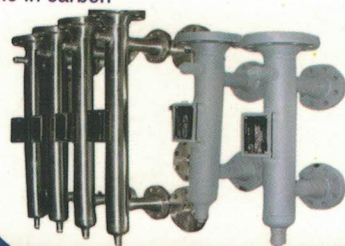
## NON RETURN VALVES

A non-return valve allows a medium to flow in only one direction. A non-return valve is fitted to ensure that a medium flows through a pipe in the right direction, where pressure conditions may otherwise cause reversed flow.



## CHAMBERS

Chambers are used for mounting of Level measurement and control instrumentation on process vessel. Standard chambers are available in carbon steel and stainless steel.



## CONDENSATE POTS

We manufacture complete range of condensate pots required for measurement of steam / vapor which condensate to liquid state at the ambient temperature.

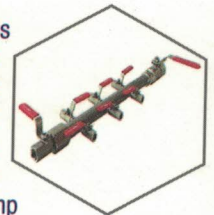
These are used to cool down very high temperature liquids and to maintain a constant liquid head above the instrument. These can be installed in both horizontal and vertical position.

Manufactured in standard sizes of 2", 3" and 4" however based on client requirement other sizes can be designed. Condensate pots are available in various grades of Carbon steel, alloy steel and stainless steel.



## AIR HEADERS

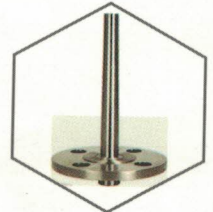
Air Headers replaces many unit valve assemblies, which would normally be operating from one source. The Air Headers are suitable for use with a variety of outlet take-off valves. The inlet-connection can be flange- or screwable. A drain-valve is possible at the manifold exit. The manifolds can be supplied with a bracket / U clamp for wall mounting.



## THERMOWELLS

Thermowells are designed and manufactured confirming to ASTM PTC 19.3 and Wake frequency calculation is performed based on latest version 2010 to ensure the optimum suitable design of thermowell.

Types: Bar stock threaded, Type, Bar Stock Flanged, Bar stock weld-in type, fabricated threaded, fabricated flanged, fabricated weld-in, leaved / Lined (alloy material / PTFE / others) Solid Sintered Tungsten carbide thermowells, silicon carbide protecting thermowell, Vanstone type (shell design) thermowells, etc.



## ANNUBARS

Averaging Pitot tube is a multiport self averaging flow meter. It is a primary element for flow measurement of gas, liquid, vapour in pipelines and ducts based on the principle of measurement of differential pressure created when an obstruction is placed in the fluid flow due to increase in fluid velocity.



## VENTURIS

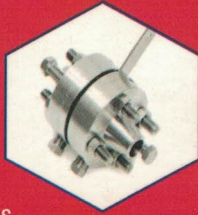
Venturi Tube is a low pressure drop metering device. It offers constant accuracy, low susceptibility to erosion, high-pressure recovery, and installation at any angle from horizontal to vertical. Corrosion-resistant and virtually maintenance-free, this measurement product performs in a wide variety of applications that include air, water, vapor, steam, gas, chemical substances, sludge and slurry applications.





## ORIFICE ASSEMBLY

The Plate Holder Assembly is a combination of plate holder and an orifice plate designed for ring tongue joint (RTJ) flanges. The plate holder has a function of holding the orifice plate and also a function as a gasket to prevent leakage of the process fluid. The plate holder has an oval or octagonal ring for mounting between ring tongue joint flanges. This metallic sealing system is applicable to a fluid of high temperature and high pressure. The pressure tapping system normally is of the flange tap type. Orifice plate is screwed to the plate holder. Generally the plate holder is of soft iron material. The Orifice plate is available in standard material such as SS316, SS304, SS316L, Monel, Hastelloy-C, etc. Other materials are available on request. The plate holder along with the orifice plate can be also machined from one piece. RTJ holder material is selected so that the RTJ holder hardness is less than that of flange hardness



## FLUSHING RING

The flushing flange or ring is used for flushingsolution combined with diaphragm seals. This type of flushing flange or ring is clamped between process nozzle and diaphragm seal. The reducer flange is used to mount a larger diaphragm seal to a smaller process connection.



## FLOW STRAIGHTENERS

flow conditioners and flow straighteners for flow meter, process and pump system applications which reduces straight run requirement to just a few diameters. It eliminates the flow distortion effects of elbow, pipe expansion or reductions, valves, dampeners and other disrupters .

Suitable for various medias including Gas, Steam, Liquids, Slurries, Sludges, Hydrocarbons and more.



## ORIFICE PLATE

orifice plate is a device used for measuring flow rate. Either a volumetric or mass flow rate may be determined, depending on the calculation associated with the it. It uses the same principle, namely Bernoulli's principle which states that there is a relationship between the pressure of the fluid and the velocity of the fluid. When the velocity increases, the pressure decreases and vice versa. Description General 's orifice plate is a thin plate with a hole in the middle or vice versa



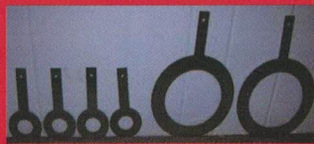
## MONO FLANGE VALVE

For connections to the process using connection flanges, the monoflange enables an optimal and compact measuring point assembly. In addition, stress from vibration, potential leak points as well as installation and maintenance costs are reduced. The monoflange is mounted directly onto the axial flange (radial flange on request), allowing the gauge to be kept in an upright position. The monoflange includes a block valve, a bleed valve and a vent hole.



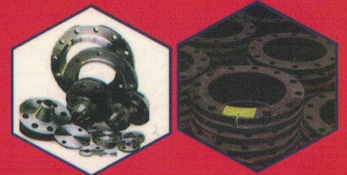
## GROUNDING RING

Grounding rings are used to suppress electrical interference at the installation location for electromagnetic flow meters. They are provided in pairs and are installed upstream and downstream of the flow meter. grounding rings are flat wafer-style rings designed to be installed between Flanges



## FLANGES

We manufacture all types of flanges in Various materials like CS, SS, Alloy Steels, PP etc. Types of Flanges BLRF, SORF, WNRF and Threaded Flanges as per customer requirements.



## MANUFACTURER, STOCKIEST & SUPPLIERS OF :

All Types EIL & IBR Flanges, Valves, Fitting, Temperature Gauge, Pressure Gauge, RTD, Flow Instruments, Stainless Steel, Carbon Steel & Alloys Steel, Tubes, Pipes & Pipe Fittings, Sheets, Plates, Rods, Ferrous & Non Ferrous Metals Etc.

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