



SASTHAN ENGINEERS

where quality never compromise...

An ISO 9001:2008 Certified Organization



Manufacturers and
Suppliers of Process Control
Application Products

web : www.sasthanengineers.com

LEVEL GAUGES

Sasthan Liquid Level Gauges are designed for use in all types of pressure vessels, tanks and boilers. Sasthan level gauges permit a safe, Positive accurate reading of any liquid level. Sasthan level gauges (all the 3 types) are assembled with a pair of auto shut off ball check valve arrangement.

1. Tubular Level Gauge

Sasthan Tubular Level Gauges are suitable for low pressure and low temperature applications which are simple in construction and permits viewing in any directions.

OP:Pre and Temp.:0-15 kg/cm² and 0-250°C

2. Reflex Level Gauge

Sasthan Reflex level Gauges are recommended for clean liquids and where observation is required from a safe distance and on low pressure boilers and vessels. Sasthan Reflex Level Gauges are assembled with flat glasses which are having inner surfaces of reflecting prisms due to which the liquid level behind the glass appear black and the empty (vapour) surface appear white. Sasthan Reflex Level Gauges can be used with frost shield for sub-zero temperature.

OP:Pre and Temp. : 0-100 kg/cm² and -30°C - + 300°C

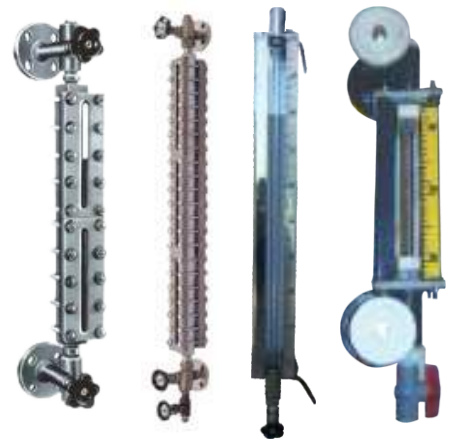
3. Transparent Level Gauge

Sasthan Transparent Level Gauges are suitable for coloured, adulteration liquids with suspended solid particles and recommended for high pressure boilers. Sasthan Transparent Level Gauges can be used with mica shield for high temperature.

OP: Pre and Temp. : 0-150 kg/cm² and 0-400°C

Material of Construction :

Chamber, Valve Body	: CS/SS 304/SS 316/PP FRP
Cover Plate	: CS/Forged Steel/Aluminium
Internals	: SS 410/SS 304/SS -316/PVC
Glass	: Toughened Borosilicate (Indian / Imported)
Gasket	: CAF/Teflon/Wire Mesh
Bolts & Nuts	: ASTM A 193 B7/194 2H
Other Grades of M.O.C	: As per Customer's Request
Process Connection	: Any International Standard
Accessories	: Scales/Shield/Illumination/Heating Chamber



Enquiry / Ordering Information

- 1) Type
- 2) C.C.Distance (Flange to Flange)
- 3) Connection
- 4) Material of Construction
- 5) Service
- 6) Op. Pre and Temp.
- 7) Qty

LEVEL SWITCHES

Sasthan manufactures 2 type of float operated magnetic level switches, Which are either side mounted or top mounted. Sasthan level switches can be manufacture to sult applications of services and are magnetically operated glandless micro switch eliminating any possibility of leakage which avoids a lot of complication than the conventional models. A wide range of switches are available in weather proof and flame proof housing.

1. Side Mounted Level Switch

Sasthan side mounted level switches are assembled with float and permanent magnets. These float level switches work on magnetic coupling with snap acting contacts. These are used of the purpose of alarm as well as for pump starting or stopping. The switch should always be connected in series with on electrical relay. Sasthan side mounted level switches can be used with internal/External Gauge Units for very high pressure and temperature.

OP. Pre and Temp. : 0-100 kg/cm² and 0-400°C

2. Top Mounted Level Switch

Sasthan Top mounted displacer operated level switches are specially used for level signalisation in sumps and vessels wherever monitoring at one/two/three different levels at considerable depths are required.

OP. Pre and Temp. : 0-20 kg/cm² and 0-250°C

Material of Construction :

Chamber, Flange	: SS-304/SS-316/PVC
Float	: SS-304/SS-316/PVC/PP
Housing	: SS-304/SS-316/Aluminium
Switch	: Micro/Reed
Other Grades of M.O.C.	: As per Customer's Request
Current Rating	: 230V.AC at 5 Amp.
Electrical Connection	: ¾" ET
Process Connection	: Any international Standard

Enquiry / Ordering Information

- 1) Type
- 2) Range / size
- 3) No. of Signals
- 4) Material of Construction
- 5) Service
- 6) Op. pre. and Temp.
- 7) Qty.



FLOAT AND CHORD LEVEL INDICATOR

Sasthan Float and chord level indicator (Buoyance type) is a simple, low-cost level gauge device suitable for all types of storage tanks to see the level from long distance. The unit consists of guided float connected to a counter weight by a CS/SS/Nylon Cables/Wires. The counter Weight is threaded on to the gauge boards on which the level is displayed in Cm/Inch/Foot/Meter. It can be used as a single instrument to see the levels upto 15 meters height.

OP. Pre and Temp: 0 5 kg/cm² and 0 400 °C

Material of Construction :

Float	: CS/SS/PVC/PP
Guide Wire	: CS/SS/Nylon
Pointer, Pulley	: Aluminium
Scale	: CS/Aluminium

Enquiry / Ordering Information

- 1) Tank Height
- 2) Material of Construction
- 3) Graduation
- 4) Op.Pre.and Temp
- 5) Sp.Gravity
- 6) Service
- 7) Qty.



SIGHT FLOW INDICATORS

Sasthan sight glasses are of technically excellent design to see flow through pipelines / vessels in any direction. Sasthan offers 2 types of sight flow indicators suitable for all your application ranging sizes from 1/4" to 12".

1. Double Window Sight Glass

Sasthan Double window sight glasses are assembled with 2 nos. Round toughened borosilicate glasses on either side of body to get the clear vision of the liquid follow through. Sasthan double window sight glasses are fitted with diptube / Flapper / Rotating wheel to indicate the flow. These are used in both horizontal and vertical pipelines. Sasthan sight glasses with rotating wheel are suitable for the installation in any position, but are particularly adapted to pipe lines carrying dark opaque solutions, Where the motion of the wheel is easily detected. This frequently installed where observations must be made from a distance. Sasthan Right Angled Sight Glasses fitted with Diptube or without Diptube can be used for angled pipelines.

OP. Pre and Temp. : 0-25 kg/cm² and 0-250°C

2. Full View Sight Glass

Full view sight glasses are assembled with Toughened cylindrical (tubular Glass) and can give flow indication from any direction. These are recommended for low pressure lines. For colourless fluids it can be fitted with Diptube.

OP. Pre and Temp. : 0-10 kg/cm² and 0-200°C

Material of Construction :

Body, Flange	: CS/SS-304/SS-316/PP
Glass	: Toughened Borosilicate
Cover Plate	: CS/Aluminum
Gaskets	: CAF/Neoprene/Teflon
Bolts & Nuts	: ASTM A 193 B7 / 192 2H
Other Grades of M.O.C.	: As per Customer's Request
Process Connection	: Any International Standard



Enquiry / Ordering Information

1) Type 2) size 3) Indicator 4) Connection 5) Material of Construction 6) Op. pre. and Temp. 7) Qty.

MAGNETIC LEVEL INDICATOR

Sasthan Magnetic level indicators are assembled with float, Magnet and chamber which can be practically used all liquid (including hazardous / explosive) and specifically for those which attach glasses. Its working principle of attraction among dissimilar poles of permanent magnets and that of repulsion between like poles. Sasthan can offer as a single instrument having C.C Distance upto 3 meters.

OP. Pre and Temp: 0 100 kg/cm² and 0 400 °C

Material of Construction :

Chamber, Flange	: SS/PVC
Float	: SS/PP/PVC/Teflon
Scale	: Aluminium / Acrallic
Process Connection	: Any International Standard

Enquiry / Ordering Information

1) C.C. Distance 2) Connection
3) Material of Construction
4) Op.Per and Temp 6) Qty



OIL LEVEL INDICATOR

Sasthan manufactures 3 types of oil level indicators which are mainly used in the Greasing / Oil system and gear to see the lubricating oil levels in the concerned equipments. Sasthan offers lengths from 2" to 12" for LBT type and ¼" to 2" Round type

OP.Pre and Temp.: 0-5 kg/cm² and 0-4000°C

Sasthan Manufactures different types of level indicators like LBT Type, Face Type and Round Type

Material Construction

Body, Cover Plate : CS/SS/Brass / Aluminium, Glass : Toughned Borosilicate

Process Connection : Any International Standard

Enquiry / Ordering Information

1) Type 2) Size 3) Connection 4) OP.Pre and Temp 5)Service 6)Qty.



SAFETY & RELIEF VALVES

Sasthan manufactures 2 types of Pressure releasing (discharging) valves as per the ASME code VIII and API RP-526. Both safety valve and safety relief valves of the spring loaded type are similar in external appearance and both serve the broad general purpose of limiting fluids (liquids or gases) Pressures by discharging some of the pressurized liquid or gas. For very high temperature safety and safety relief valve can be used with finned bonnet. Sasthan can also design the manufacture custom mode safety relief and safety valves to meet special requirements. Sasthan safety and safety relief valves are available in sizes from ¼" to 14" .

OP.Pre and Temp: 0 100 kg/cm² and 0 500 °C

1. Safety Valve

Sasthan Safety valves are for use with gases which include air and steam. Their design always include a huddling chamber which utilities the expansion forces of these gases to effect quick opening(popping) and closing actions. The difference between the opening and closing pressure is termed "blowdown" and for steam valves blowdown limitations are carefully considered by us as per ASME code.

2. Safety Relief Valve

Sasthan Safety Relief valves are normally used for liquid service, although safety valves may also be used. Ordinary relief valves do not have an accentuated huddling chamber nor a regular ring for varying or adjusting blowdown they therefore operate with a relatively lazy motion, slowly opening or closing as pressure increases or decreases. Such reliving action affords suitable protection for vessels or systems where there is no need for instaeous release of large volumes, and where sufficient leeway is provided between the design pressure and operating pressure in the system.

Material of Construction :

Body, Bonnet, Cap	: CI/CS/SS-304/SS-316/Brass/Gun Metal
Internals	: SS-410/SS-304/SS-316/Brass
Spring	: Spring Steel
Gaskets	: CAF/Neoprene/Teflon
Lever	: Steel
Other grades of M.O.C.	: As per Customer's Request
Lever	: Plain/Packed
Bonnet	: Standard/Finned
Process Connection	: Any International Standard

Enquiry / Ordering Information

- 1) Type 2) size 3) Connection
- 4) Material of Construction
- 5) Capacity
- 6) Op. pre. and Temp.
- 7) Set pressure
- 8) Service 9) Qty.



STRAINERS

Sasthan manufactures 2 types of strainers which help in removing foreign particles in the flowing liquids and gases, due to which the life of your pumps, valves and other flow control equipments increases. Sasthan strainers are so specially designed that the pressure drops are well kept within reasonable and to have effective straining reasonable straining area is offered. Sasthan can also design and manufacture custom made strainers to meet special requirements. Sasthan strainers are available in sizes from 1/2" to 24" in various models.

OPPre and Temp: 0 50 kg/cm2 and 0 - 400°C

1. Y-Strainers

Sasthan 'Y' strainers have compact design and full flow with large filtration area for low pr.drop and more solid connection. Sasthan using high grade raw material to fabricate these strainers.

2. Basket Strainer

Sasthan Basket strainers are used to strain foreign matter from pipe lines and provide inexpensive protection for costly pumps, meters, valves and similar mechanical equipments. Sasthan Basket strainer is furnished in heavy gauge perforated stainless steel reinforced basket and fitted with handles for easy removal. Sasthan Basket strainers are widely used in process industries such as Palm oil and refinery, Food industries, Petrochemicals, Power Plants, Water and waste water treatment sectors.

Material of Construction :

Body, Flange Plug	: CI/CS/SS304/SS-316/PP
Mesh Screen	: SS/PP
Bolts & Nuts	: ASTM A 193 B7/192 2H
Gaskets	: CAF/Neoprene/Teflon
Other grades of M.O.C.:	As per Customer's Request
Process Connection	: Any International Standard



Enquiry / Ordering Information

- 1) Type
- 2) size
- 3) Connection
- 4) Material of Construction
- 5) Op. pre. and Temp.
- 6) Qty.

Other Products :

- ❖ Ball Valves
- ❖ Gate Valves
- ❖ Globe Valves
- ❖ Check Valves
- ❖ Butterfly Valves
- ❖ Flush Bottom Valves
- ❖ Toughened Glasses
- ❖ Pressure Gauges
- ❖ Temperature Gauges
- ❖ Flowmeters
- ❖ Blowers
- ❖ WTP / WWTP (ETP/STP)
- ❖ Water Treatment Chemicals



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