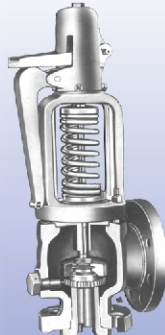




INSTRUMENTS & CONTROLS



PROCESS INSTRUMENTS & VALVES CATALOG





PROFILE

Teleflo Instruments & Controls is an **ISO 9001 : 2015** company involved in the process industry for more than 35 years and leading manufacturers of valves and Instruments. The founder of our company is an ex employee of Devy power gas a British consultant firm and Ralphen Parsens an American consultant firm now taken over by Dalal consultants. He is an instrumentation engineer from Madras Institute of technology and has commissioned more than 17 projects in this country.

It was our idea to develop level gauges and safety valves indigenously in the country and today most Indian manufacturers are off shoots of our organization. Without any exaggeration, it was we who standardized glass sections for Indian level gauges and all manufacturers are today following this standard. Toughened glass for reflex and transparent gauges were developed by us and today all manufacturers in India use this technology.

This goes to show our expertise in our field. The company is now being run by an efficient team of engineers and they are professional managed by people with more than 20 years of experience in this field.

We have supplied our products to all most all major projects including Power plants, Pharmaceutical industry, Paper mills, Chemical industries, Water and Effluent treatment plants, fire protection systems, Petrochemical industries, Fertilizer plants and Refineries.

We have a wide customer base which includes European, Asian and Middle East markets.

We are approved by all the prestigious inspection agencies like Bureau Veritas, Lloyds, Indian Register of Shipping etc.

Following are our group companies and their specialization

Teleflo Strainers & Pressure Vessels

Manufacturers of Strainers, Pressure Vessels and Storage Tank

GSV Microtech

Manufacturers of Electronic Instruments and Controls

Aisys Technologies

Smartsourcing IT Services



QUALITY POLICY

“We commit to grow continually by delivering quality products on time, achieve customer satisfaction and being a market player in Valves, Indicators & Control Instruments for Chemical, Petro-Chemical, Pharmaceuticals and Breweries.



LEVEL INSTRUMENTS

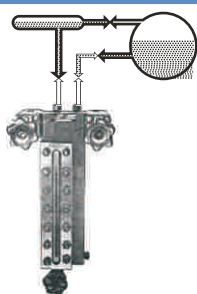


LIQUID LEVEL INDICATORS

Reflex/Transparent for higher pressures. Tubular with guard rods, pipe or channel. AutoShut Off Ball Check Valves. With Illuminator, Mica, Frost-Shield. Boiler guage glasses. These guages are for basic measurement, where you see the level directly with your own eyes.

FLOAT AND CHORD LEVEL INDICATORS

For non pressure types of Storage Tanks. Perfectly aligned guide wire, pulley and scale. Ideal for outdoor Installation. Cast Aluminum Pulley Housing. Spring tensioning assembly for Guide Wires.



REMOTE LEVEL INDICATOR

Remote sensing of boiler level. Supplied with Condenser Pot, Tee, Valves. Available in Standard Lengths. Illuminator and drain valve. Red Liquid for Equal displacement / Indication for variation on levels.

ELECTRONIC DIGITAL LEVEL INDICATORS

Directly Mounted on Top of Tanks. Digital Indicators.

SS Probe with CS/SS Flange. Most suited for underground tanks at less than 100 C < 2M

Depth /Height.



PRESSURE LEVEL INDICATOR

A wide range of pressure transmitters to suit all your process control needs available. Voltage or Current output pressure transmitters are available.

These pressure transmitters can be used for alternative applications like level / volume measurement in tanks. A complete range of Multi Channel digital Pressure, Level or Volume indicators with microprocessor based linearization circuitry is standard.



MAGNETIC LEVEL INDICATOR

Magnetically coupled, glandless for explosive and hazardous areas, Float and Body of SS, PVC, P.P. Level Switch provision for High/Low Levels.

Follower Indicator with or without glass tube and scale frame Rotatable in any direction. Explosion proof switches can also be provided

FLOAT AND TAPE LEVEL INDICATOR

Transmission of liquid level by means of tape connected to float on one side and gearbox with a reading dial on the other side. The up and down movement of the float inside the tank make the corresponding changes in the reading dial, which enable us to know the level. Available in SS304, SS316, CS and HDPE for Corrosive Applications

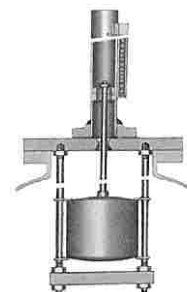


BI-COLOR LEVEL INDICATOR

Direct mounted with green and red colours for steam and water levels respectively. Material of construction: SS, C.S., G.M., Expansion Loops suitable for High pressure Boilers Readable from a long distance.

TANKOMETER

Submerged tank level indicators for underground tanks with direct reading scale, specially suited for sumps. Material of Construction: SS, CS, PVC Magnetic coupled as well as direct reading types

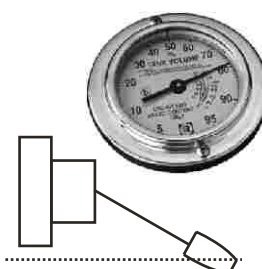


ULTRASONIC LEVEL INDICATORS & SWITCHES

Ultrasonic Level Indicators for large tanks and top mounted applications. An Ultrasonic transducer emits pulses of ultrasonic energy. These waves are reflected by the medium in the tank. The ultrasonic transducer picks up the reflected energy. A microprocessor based circuit then amplifies and filters the reflected signal and calculates the time difference between the emitted and received signal, which is then translated to level of the medium in the tank. Ranges from 0 - 6m are available for a wide variety of applications.

DIAL TYPE LEVEL GAUGE

These gauges with a float, stem and dial has to be fixed in the centerline of the tank. The float with the stem is coupled to a miniature gear box, which in turn operates the magnetic dial, showing the level readings. Best suited for flammable applications like LPG and other services.





INDUSTRIAL SWITCHES

SIDE MOUNTED LEVEL SWITCHES

Internal and External, Side and Top Mounted. Micro Switch, Reed switch with relay types, Operating alarms, Motor Control, Level Control. Snap-action contacts with NO/NC contacts. Float operated, Magnetic and Gland-less. Weather-proof and EXPLOSION-proof housing can be provided.



TOP MOUNTED LEVEL SWITCHES



These work using a reed switches operated by a magnetic float. With or without chamber. Upto six switching levels, level controller, latched or unlatched. Weather proof and explosion housing can be provided. Probe material - SS304, SS316. Housing - Aluminium, CI, SS, PP Flanged or screwed.

FLOW SWITCHES

Magnetic Glandless Switching, Micro Switch, Reed Switch with electronic circuit, flanged, screwed connections. For Alarms, Tank Overflow and Motor control. Special design for vertical/horizontal flow. Explosion proof housing with IP67 class can be provided MOC : SS304, SS316



CONDUCTIVITY LEVEL SWITCHES



Works in the principle of conductive sensing technology. A small AC Signal is applied between conductive electrodes, mounted with its tip located at the point to be detected. When the liquid touches the electrode a very small AC Current begins to flow. The Current is sensed by electrical signal and converted into switching signal. Ideal for Over fill Alarm, Dry Run Protection and Pump Control



PRESSURE INSTRUMENTS

MANOMETERS

U-tube and single limb manometers are available. They are usually wall mounted. Scales to measure pressure or flow from orifice tapplings can be provided. Glass Borosilicate standard Housing Aluminum End fittings SS 316, SS 304, Brass Measuring liquid Mercury, Red liquid with sp gravity 3





SAFETY INSTRUMENTS



SAFETY RELIEF VALVES

Manufactured to API/ASME codes. With IBR, LLOYDS, CCE Certificates. Full Lift, 'Pop' type. Screwed/Flanged models. Size: 15NB to 300 NB. Standardised orifice. Angle/Straight Patterns. Pressure, Vacuum and Breather Valves.

FLAME ARRESTORS / BREATHER VALVES

Manufactured to ASME 2000 Code. Independent and combined Breather valves & Flame arrestors / conservation vents can be supplied up to 300 nb to suit any specified application. Fire elements are designed to suit specific flash points and pressure drops. MOC : Al, CS, CI, SS castalloy



FLOW INSTRUMENTS



SIGHT GLASSES

Available in Flanged, Screwed and Pad types. Double / Single Window, Full View, Angular, Rotating wheel, Flapper and Drip tube design. S.S., C.I., C.S., Bronze, P.V.C., P.P., Lining of Rubber, Teflon, Lead, F.R.P. Kite Type flow indicators Suitable for mounting in any direction are our latest development. Pressure drops are negligible in Kite type compared to Rotating Wheel

ORIFICE PLATE ASSEMBLIES

Weldneck, screwed, slip-on forged flanges. Flange taps, vent and drain. Orifice plate of SS, Monel with tag. Plate design as per B.S./A.P.I. Std. With computerised Calculations. H.T. Bolts Nuts and Jack screw provision.



FLOW TRANSMITTERS



Microprocessor based paddle wheel type flow meters. Field indication with 4 - 20 mA Current Output models available. Available for all line sizes. The rotating paddle wheel in the liquid produces pulses that are picked up by sensitive electronic sensors. A microprocessor based electronic circuitry then converts the pulses to a 4 - 20 mA Current signal based on line size and other calibration factors.



WELD PAD SIGHT GLASS

Teleflo makes weld pad sight glasses are assembled with two nos of flanges and one transparent glass.

Moc: CS, SS, Special Material

Available Size: upto 12" (300NB)



INDUSTRIAL VALVES



PRESSURE REDUCING VALVES

Self Actuated Pressure Control Valves without any need for external power or air supply. Body CS/SS/CI and internals in SS. Sizes : $\frac{1}{2}$ ", $\frac{3}{4}$ ", 1", 1 $\frac{1}{2}$ " & 2" Screwed, 1", 1 $\frac{1}{2}$ ", 2", 3", & 4" Flanged with PTFE, Neoprene & Phosphor bronze

SHUT OFF VALVES & CONTROL VALVES

Globe, Ball, Diaphragm and Check Valves. Lift, Ball and Swing Check Valves. Straight, Angular and 'Y' Patterns. Manufactured from Graded C.I., C.S. CF8., CF8m. Stellite, Monel Also available with Actuators and Regulators



BALL FLOAT VALVES

Direct mechanical lever operated Float valves, single or double ported in C.I., C.S., and SS Constructions Operating mechanism is specially designed to be mounted on all types of tank equipment and serves the purpose of a liquid level controller or drain.

AIR RELEASE VALVE

Teleflo makes single orifice air valve, Kinetic Air valve, Double acting air valve. These valves are used primarily to release the air present in the pipeline and prevent air locks.

Available Size: 1" to 10"

Moc: CS, WCB, CFS, CF8M, Nital + BRN, Aluminum





VACUUM BREAKER VALVE

These valve are used for high surge pressure application to prevent damage of Pipe to negative Pressure. The Combination of Vacuum breaker with air release valve, elamite Air and presents Vaccum Formations in Water works Piping Systems.

Available Size: 2" - 20" with Optional Air Release valve body.

MISCELLANEOUS



FLAT GLASSES

Toughen Boro Silicate, Klinger or Maxos are available. These glasses can withstand high operating temperature and pressure. Polarisation test to prove its toughening can be provided with request and extra cost for sizable quantity



OTHER SERVICES

AISYS SOFTWARE SERVICES

AISYS combines smart people, processes and technology to help your organization achieve key business goals - faster, better and at lower cost. Competitive advantage. Reliable products and services. It is becoming evident, to no surprise, that more and more businesses worldwide are Smartsourcing to achieve these goals.



teleflo

INSTRUMENTS & CONTROLS

3/88, Mount Poonamallee Road,
Ramapuram, Chennai - 600 089.
Phone: 4335 8387 • Fax: 4335 8386
Email: sales@teleflocontrols.com

Authorised Dealer: