



... the level & gas people

ISO-9001 : 2008 CERTIFIED

**GTLG SERIES GLASS TUBE LIQUID LEVEL GAUGE (Tubular Level Gauge) :
 TOP & BOTTOM CONNECTION ORIENTATION / SIDE-SIDE MOUNTED TYPE.**

Simplest design, offers accurate reading in water, chemicals, petroleum products and corrosive liquid Level measurement.

Standard visible length is always less than C-C distance. The maximum operating pressure range is 10 kg/cm² and maximum operating temperature range is 300 ° C. Special featured valves with ball check arrangement. Isolation valves prevent the spillage of medium in the air. MS / SS-Tie rods/ or C-Channel protects the Glass Tube from any mechanical impact.

SS scale fitted adjacent to glass tube offers local reading effectively. Fix and relax design in level metering. Vent/Drain provision - Plug or Valve.

Pair of Valves

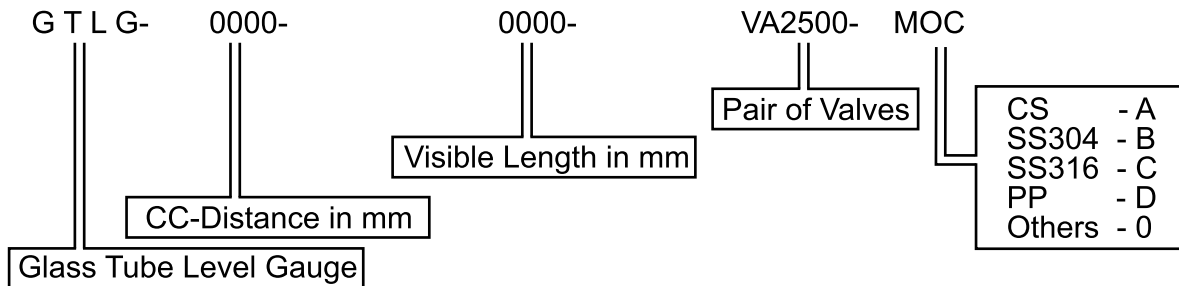
VA-2500 : Offset with integral bonnet and Ball check arrangement-pair of Isolation Valves.

Specification

- C/C Distance.....Up to1500mm in single glass tube, if more please contact factory
- Materials.....Carbon steel, Stainless steel, PP as standard
- Glass.....Borosil Tube of 12mm-19mm dia
- Glass Protector.....MS/SS304 Tie rods / C-Channel
- Valves.....Auto - shut - off ball check



ORDERING INFORMATION (TUBULAR LEVEL GAUGE)



G T L G - mm - mm - VA 2500 - MOC

RLG SERIES-GLASS PLATE LIQUID LEVEL GAUGE (Reflex Level Gauge)

These gauges are used for measuring the level in a vessel. These can be used for maximum pressure of upto 150kg/cm² and a maximum temperature of 400° C. Constructional features include upto 2.5 metre single piece construction with multiple glasses between process connections. A pair of auto shut off ball check valves in

WORKING PRINCIPLE

The principle of Reflex Level Gauges is based on the difference in the refractive principle of liquid and vapour. The liquid column is contained within the recess of the liquid chamber behind the sight glass which is clamped to the gauge body. The sight glass has prismatic right angled grooves on the side facing the liquid and vapor space. Light rays entering from outside the gauge are either absorbed or reflected depending upon whether they enter the liquid or vapour space. When the ray of light encounters the surface of one of the grooves in the vapor space, it is

the opposite surface of the groove and from there, totally reflected back to the direction of observation. Thus vapour space appears as silvery white. When the light ray encounters the surface of the grooves in the liquid space, it is totally absorbed thereby the liquid behind the glass appear black.

Max. Temperature: 400°C

Max. Pressure : 150kg/cm²

Pair of Valves : VA-2500 Offset, integral bonnet with ball check arrangement
VA-5500 Offset design, bolted bonnet, renewable seats and ball check arrangement

Note : In multi sections, the gap between two section is upto 5mm.

: Indication Assembly can be rotated by 360° to get unhindered view of liquid from



Specification :

C/C Distance.....Up to100"; single piece liquid chamber.

Chamber.....CS,SS304,SS316,PP

Cover plate.....CS,SS-304, SS-316, PP

Flange.....CS, SS-304, SS-316, PP

Valves.....CS,SS-304, SS-316,PP

Glass.....Toughened Borosilicate

Connections.....Flanged , Screwed or Socket weld.

Gauge Valve.....Auto- shut-off ball check, off-set pattern, Bolted or Screwed bonnet.

Drain/Vent Valve..Ball Type

Options..... Anti-frost extension for low temperature service. Heating / Cooling arrangements

Glass Sizes.....a) 340 x 30 x 17 mm b) 280 x 30 x 17 mm c) 250 x 30 x 17 mm

TLG SERIES-TRANSPARENT GLASS TYPE LIQUID LEVEL GAUGE

These gauges are used for measuring the level in a vessel. These can be used for maximum pressure of upto 150 kg/cm² and a maximum temperature of 400° C. Constructional features include 2.5 metre single piece construction with multiple glasses between process connections. A pair of auto shut off ball check valves in material of construction Carbon Steel or Stainless Steel and Polypropylene as optional.

Working Principle

Transparent Level Gauges employ two transparent glasses and a liquid chamber. The liquid level is indicated as a result of difference in the transparent properties of the two media. For water / steam applications, an illuminator is mounted on the rear side of the gauge with its light rays deflected upward into the water column. This enables the observer to see the illuminated surface of the water as the light rays impinge on the surface of separation between water and steam are reflected back to the eye of the observer. For High Temperature application mica shield is used.

Specification

C/C Distance.....Up to100" single piece liquid chamber.

Chamber.....CS, SS304,SS316,PP

Cover plateCS,SS-304, SS-316, PP

Flange.....CS, SS-304, SS-316, PP

Valves.....CS,SS-304, SS-316,PP

Model Decodification

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Type of Level Gauge	Please Specify	Please Specify	Please Specify	Please Specify	Please Specify	Please Specify	Please Specify	Please Specify	Please Specify	Please Specify	Please Specify	Please Specify	Please Specify	Please Specify
RLG.....														
TLG.....														
C-C Distance														
0-2500mm.....														
Visible Length														
As Per Selected Glass Section.....														
No of Glass Section(000)														
First digit: For 360mm Section.....														
Second digit: For 300mm Section.....														
Third Digit: For 270mm Section.....														
Valve Type														
VA2500.....					A									
VA5500.....					B									
Chamber Material														
Carbon Steel						1								
SS304.....						2								
SS316.....						3								
PP.....						4								
Others						0								
Cover Plate Material														
Carbon Steel							5							
SS304.....							6							
SS316.....							7							
PP.....							8							
Others							0							
Pressure														
0-150Kg/Cm ²														
Temp.														
0-400°C.....														
Process Connection														
1"NPT.....										A				
1"SW.....										B				
1"150#.....										C				
1"300#.....										D				
2"150#.....										E				
2"300#.....										F				
Others										G				
Orientation														
Side-Side.....											1			
Top- Bottom.....											2			
Others.....											3			
Vent														
Plug.....												H		
Ball Valve.....												J		
Others.....												K		
Drain														
Plug.....													1	
Ball Valve.....													2	
Others.....													3	
Special Feature														
Heating Arrangement														L
Cooling Arrangement.....														M
Frost free Arrangement.....														P
illuminator(for TLG only).....														R
Others.....														S
Not Applicable.....														T

V. AUTOMAT & INSTRUMENTS (P) LTD.

AUTOMAT HOUSE, F-61, Okhla Industrial Area, Phase-I, New Delhi - 110 020, INDIA

Phone : 47627200 (40 Lines) Fax : +91-11-26819440

E-mail: vautomat@airtelmail.in ; vautomat@vsnl.com

Website : www.vautomat.com

BRANCHES IN BARODA, MUMBAI, KOLKATA, JAMSHEDPUR, SECUNDERABAD & CHENNAI

(See Website for address)

Specifications Subject to change without prior notice