



TUBULAR LEVEL GAUGE





The Tubular level gauge is designed and manufactured for easy, accurate & direct reading of the liquid level in tank/ vessel. It is a simple and reliable device for direct reading in low pressurized tank/ vessel applications. Tubular level gauges are mounted on the side of the tank/ vessel. It mainly consists of glass tube, guard holder, scale, end blocks, vent plug, drain valve etc.



Tubular level gauge is a most economic instrument used for direct level measurement of the tank/ vessels. It has a "C" channel frame or tie rods with process connection, glass tube & valves. Glass tube is fixed between two valves which directly indicates level of the process fluid. The level of liquid inside the glass tube is same as the liquid level in the tank.



- 360° visibility with tie rod guard to protect glass.
- Glass removal and replacement is possible while keeping the other parts in contact.
- Non frost extention helps to prevent frost formation on guage glass.
- Simplistic and economical design.
- Auto ball check to reduce liquid leakage incase of glass break.
- Toughned borosilicate glass tube.
- Variety of MOC available as per application requirement (SS/PTFE/PP/PVDF).
- Available with LED illuminator to read in low light conditions.

Specifications

Mounting	Side-Side
Body Material	Carbon Steel, SS316/SS316L, PTFE and other materials available on request
C-C Distance	Upto 3000 mm, as per requirement
Process Connection	Threaded or Flanged
Drain & Vent Connection	Flanged & Valve
Scale MOC	SS316L
Gaskets	PTFE
Sight Glass	Toughned Borosilicate
Maximum Operating Temperature	100°C
Maximum Operating Pressure	2 bar (for PP, PVDF, PTFE); 10 Bar (for SS, CS)
End Blocks	CS, SS 304, SS 316, PP, Other materials available on request
Glass Protection	SS/ Tie Rods MS or SS
Fastner	SS
Optionally Available	Frost-Free Extension, Steam Jacketing, Autoball check,Illuminator, as per requirement



Applications

- Chemical
- Petro-Chemical
- Fertilizer
- Power generation
- Pharmaceutical

- Water / Waste Water / Effluent treatment plants
- Cooling / Lubricating / Filtration systems
- Chemical dosing system, Chemical reactors etc.
- Automobile
- Liquid sewerage tanks

1



Model Selection

 $Model \ Code: \ ITLG-X_1 X_2 X_3 X_4 X_5 X_6 X_7 X_8 X_9 X_{10} X_{11}$

C-C Distance	X ₁
Specify Distance in mm	XXXX

Protection Guards	X ₂
SS304 'C' Channels	Α
MS 'C' Channels	В
SS Tie ROD	С

мос	Хз
SS316L	SS
CS	CS

Connection Orientation	X ₄
Left	L
Right	R
Back	В
Vertical	V

Process Connection Type (ASME)	Х5
Slip on Flange	SO
Weld Neck Flange	WN
Socket Weld Flange	SW
RTJ Weld Neck Flange	RWN
Threaded Flange	TH
Process Connection Type (Threaded/ Screwed)	X ₅
Threaded NPT-M (Male)	М
Threaded NPT-F (Female)	N
Socket Weld	0
Pipe Nipple Butt Weld End	R

Process Connection Size (ASME)	X ₆
1/2"	Α
3/4"	В
1"	С
1½"	D
2"	Е
2½"	F
3"	G
Process Connection Size (EN Standard)	X ₆
Process Connection Size (EN Standard) DN 15	X ₆
DN 15	1
DN 15 DN 20	1 2
DN 15 DN 20 DN 25	1 2 3
DN 15 DN 20 DN 25 DN 40	1 2 3 4

Vent Type (Valve)	X ₇
Plug Valve	PV
Needle Valve	NV
Ball Valve	BV
Gate Valve	GV

Vent Type (Flanged)	X ₇
Slip on Flange	SO
Weld Neck Flange	WN
Socket Weld Flange	SW
RTJ Weld Neck Flange	RWN
Threaded Flange	TH

Vent Connection Type	Хв
NPT	N
BSPT	В

Vent Size (ASME)	Х9
1/2"	А
3/4"	В
1"	С
1½"	D
2"	E
Vent Size (EN Standard)	Х _э
DN 15	1
DN 20	2
DN 25	3
DN 40	4
DN 50	5

Drain Type (Valve)	X ₁₀
Plug Valve	PV
Needle Valve	NV
Ball Valve	BV
Gate Valve	GV
Drain Type (Flanged)	X ₁₀
Slip on Flange	SO
Weld Neck Flange	WN
Socket Weld Flange	SW
RTJ Weld Neck Flange	RWN
Threaded	TH

Drain Valve Connection Type	X ₁₁
NPT	N
BSPT	В

Drain Size (ASME)	X ₁₂
1/2"	Α
3/4"	В
1"	С
1½"	D
2"	Е
Drain Size (EN Standard)	X ₁₂
DN 15	1
DN 20	2
DN 25	3
DN 40	4

Note: \bullet X $_{\rm 8}$ & X $_{\rm 11}$ are applicable only for Valve connections in Vent and Drain respectively.



Ex: Vent & Drain Type considered as Flanged Connection

ITLG - 1000 - A - SS - L - SO - A - SO - A - SO - A

1000: C-C Distance = 1000mm

A: Protection Guards = SS304 'C' Channels

SS: MOC = SS316L

L: Connection Orientation = Left

SO: Process Connection Type (ASME) = Slip on Flange

A: Process Connection Size (ASME) = 1/2"

SO: Vent Type (Flanged) = RF Slip On Flange

A: Vent Size (ASME) = 1/2"

SO: Drain Type (Flanged) = RF Slip On Flange

A: Drain Size (ASME) = 1/2"

Ex: Vent & Drain Type considered as Valve Connection

ITLG - 1000 - A - SS - L - SO - A - PV - N - A - PV - N - A

1000: C-C Distance = 1000mm

A: Protection Guards = SS304 'C' Channels

SS: MOC = SS316L

L: Connection Orientation = Left

SO: Process Connection Type (ASME) = Slip on Flange

A: Process Connection Size (ASME) = 1/2"

PV: Vent Type (Valve) = Plug Valve

N: Vent Valve Connection Type = NPT

A: Vent Size (ASME) = 1/2"

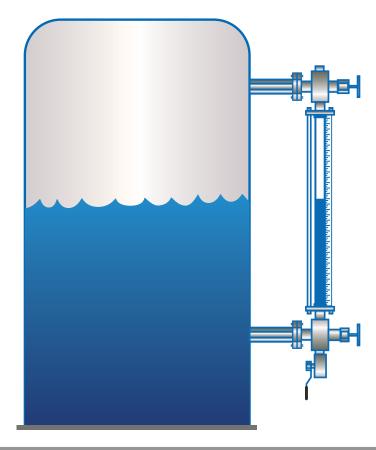
PV: Drain Type (Valve) = Plug Valve

N: Drain Valve Connection Type = NPT

A: Drain Size (ASME) = 1/2"



Diagram: Schematic Version



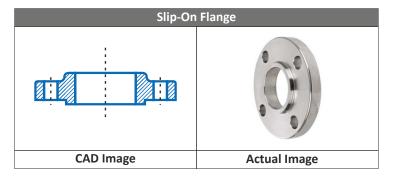


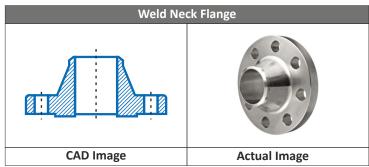
Optional Accessories

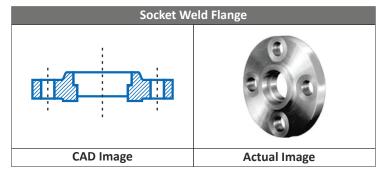
Check Valve	Autoball check
Protection	Illuminator
Extension	Frost-Free Extension
Valve Jacket	Steam Jacketing
Valve Control	Spring Loaded or Weighted Valve

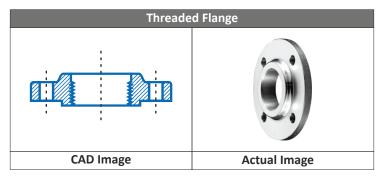


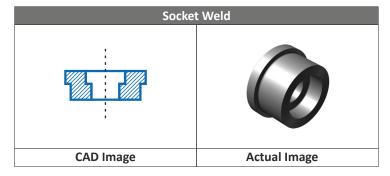
Drawing: Process Connection

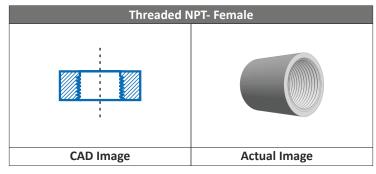


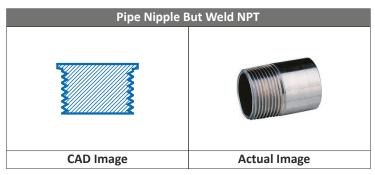








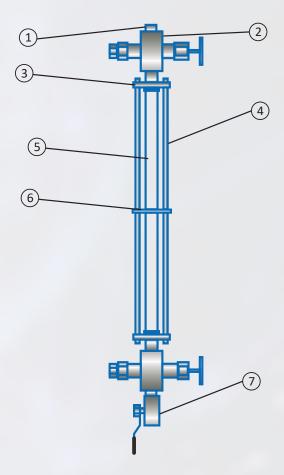




Threaded NPT-Male		
CAD Image	Actual Image	



Drawing: Standard Version



- 1 Plug of Vent
- 2 Gauge Valve
- 3 Gasket & Tighted Ring
- 4 Support Rod
- 5 Indicating Tube
- 6 Support Ring
- 7 Drain Valve



Why Choose Us?

With our manufacturing presence in SAIF Zone, Sharjah, UAE, we are able to offer



Variety of Graded Raw Material, sourced from Europe, Japan & North America



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Compliance to NDE Requirements as per Project Specifications



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