



Working Principle & Operation

Tubular level gauge employ the principle of indication of liquid level in a vessel by direct communication.

With water, clear liquids the surface is only visible through the vibration of the meniscus and with colored liquids, visibility improves in relation to the intensity of the liquid color. Construction wise a Tubular level gauge comprises a transparent Borosilicate glass tube, seals, end blocks/valves, and rectangular C-channel (to protect the glass tube)

Special Features

- Simple design
- Availability to choose from our specially designed integral isolation valves
- Available in various materials
- Available in the range up to 3000 mm

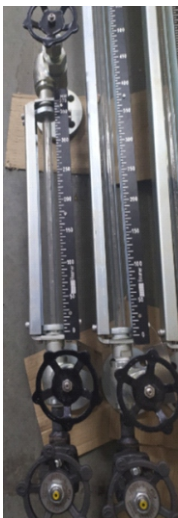
Applications

- Chemical Industries
- Pharmaceuticals
- Petrochemicals
- Fertilizer Industry

Specifications

Standard Version :

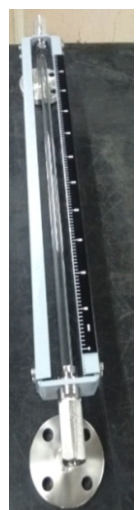
Mounting	: Side
Wetted parts material	: Carbon Steel
C - Channel	: MS Zinc coated
Sight glass	: Borosilicate glass tube
Scale	: Aluminium
C-C Distance	: 350 to 3000 mm
Visible Length	: 100 to 150 mm less than C-C depending on the valve configuration
Integral Isolation Valve	: Straight pattern bar stock body
Process Connection	: 1" 150 # RF Flanged
Vent / Drain	: Plug - 1/2" NPT(M)
Packing	: PTFE
Maximum Working Temperature	: 200°C (CS/SS), 70°C (PP) & 100°C (PTFE Lined)
Test Pressure	: 10 kg/cm ² (CS/SS) & 2 kg/cm ² (PP/PTFE Lined)



With Offset Pattern
Forged Body Isolation Valve



With Straight Pattern
Bar Stock Body Isolation Valve



With TEE
(Without Valve)

How To Order								Example		
Basic Model								LG		
Type										
Rectangular 'C' Channel								X		
C-Channel Material										
C	MS Zinc coated	S	AISI 304 SS	L	AISI 316 SS	F	FRP	X		
Wetted Parts Material										
C Carbon Steel (Standard)										
S AISI 304 SS								X		
L AISI 316 SS										
P Polypropylene										
T PTFE Lined										
Process Connection										
Flanged Connections (As per ANSI B 16.5), A2 = Raised Face, A3 = Flat Face (Example : B09-A2)										
4NM	½" NPT (M)	B09	½"150 # RF (Standard)	B21	1" 150# RF	B39	2" 150# RF			
4NF	½" NPT (F)	B10	½" 300# RF	B22	1" 300# RF	B40	2" 300# RF	XXX		
5NM	¾" NPT (M)	B11	½" 600# RF	B23	1" 600# RF	B41	2" 600# RF	OR		
5NF	¾" NPT (F)	B15	¾" 150# RF	B33	1½" 150# RF	B51	3" 150# RF	XXX-XX		
6NM	1"NPT (M)	B16	¾" 300# RF	B34	1½" 300# RF	B52	3" 300# RF			
6NF	1"NPT (F)	B17	¾" 600# RF	B35	1½" 600# RF	B53	3" 600# RF			
Top Side Vent										
Flanged Connections (As per ANSI B 16.5), A2 = Raised Face, A3 = Flat Face (Example : B09-A2) Note : PP level gauge : Option with either Plug - 1/2" BSP(M) or Ball Valve - 1/2" BSP(F) can only be provided PTFE Lined level gauge : Blind Flange can only be provided										
1	Plug - ½" NPT (M) (standard)	J	Plug - ½" BSP (M)	B09	½"150 # RF	B34	1½" 300# RF	X		
1	Plug - ¾" NPT (M)	K	Ball Valve - ½" BSP (F)	B10	½" 300# RF	B35	1½" 600# RF	OR		
1	Ball Valve - ½" NPT (F)	B00	Blind Flange	B11	½" 600# RF	B39	2" 150# RF	XXX-XX		
7	Ball Valve - ¾" NPT (F)			B15	¾" 150# RF	B40	2" 300# RF			
4	Needle Valve - ½" NPT (F)			B16	¾" 300# RF	B41	2" 600# RF			
6	Needle Valve - ¾" NPT (F)			B17	¾" 600# RF	B51	3" 150# RF			
8	Gate Valve - ½" NPT (F)			B21	1" 150# RF (Standard)	B52	3" 300# RF			
9	Gate Valve - ¾" NPT (F)			B22	1" 300# RF	B53	3" 600# RF			
A	Globe Valve - ½" NPT (F)			B23	1" 600# RF					
B	Globe Valve - ¾" NPT (F)									
Bottom Side Drain										
Flanged Connections (As per ANSI B 16.5), A2 = Raised Face, A3 = Flat Face (Example : B09-A2) Note : PP level gauge : Option with either Plug - 1/2" BSP(M) or Ball Valve - 1/2" BSP(F) can only be provided PTFE Lined level gauge : Blind Flange can only be provided										
1	Plug - ½" NPT (M) (standard)	J	Plug - ½" BSP (M)	B09	½"150 # RF	B34	1½" 300# RF	X		
2	Plug - ¾" NPT (M)	K	Ball Valve - ½" BSP (F)	B10	½" 300# RF	B35	1½" 600# RF	OR		
5	Ball Valve - ½" NPT (F)	B00	Blind Flange	B11	½" 600# RF	B39	2" 150# RF	XXX-XX		
7	Ball Valve - ¾" NPT (F)			B15	¾" 150# RF	B40	2" 300# RF			
4	Needle Valve - ½" NPT (F)			B16	¾" 300# RF	B41	2" 600# RF			
6	Needle Valve - ¾" NPT (F)			B17	¾" 600# RF	B51	3" 150# RF			
8	Gate Valve - ½" NPT (F)			B21	1" 150# RF (Standard)	B52	3" 300# RF			
9	Gate Valve - ¾" NPT (F)			B22	1" 300# RF	B53	3" 600# RF			
A	Globe Valve - ½" NPT (F)			B23	1" 600# RF					
B	Globe Valve - ¾" NPT (F)									
Graduation Scale										
0	No Scale	A	Aluminum	S	AISI 304 SS	P	Acrylic / Polycarbonate	L	AISI 316 SS	X
Center To Center Distance										
Please specify in mm (e.g. Write 800 for 800 mm Center to Center Distance) (This gauge will be supplied from 350 mm to 3000 mm)								800 mm		
OP - Offset Pattern Valve - Forged Body with Auto Ball Check										
SP - Straight Pattern Valve - Bar Stock Body										
TE - TEE (without valve)										
PP - PP Offset Pattern Valve with Auto Ball Check										
SX - Tag Plate in SS										
GH - Material Test Certificate										
GO - Hydro test Certificate								XX		
Ordering Example: LG . X . X . X . XXX OR XXX-XX . X OR XXX-XX . X OR XXX-XX . X . 800 mm . XX										
Ordering Information : Specify model no., Liquid, Specific Gravity, Operating Pressure & Operating Temperature.										
Note : Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.										