

RL – Reflex Level Gauge

RL Series Reflex level gauges for visual level indication have been designed keeping in view processes where the working pressure and temperature are very high. The level can be easily seen through a reflex glass within a chamber. The fluid behind the reflex glass refracts light causing it to look blackish in color, whereas the gas/steam behind the reflex glass appears silvery due to reflection. These gauges are rugged, reliable and accurate.

Features

- Reflex type glass indicator
- Simple design
- Designed for high pressure and temperature
- Used for clear liquids and gas level indication

Applications

- Chemical plants
- Process and power plants
- Chemical/ Fertilizer plants
- Boiler drums

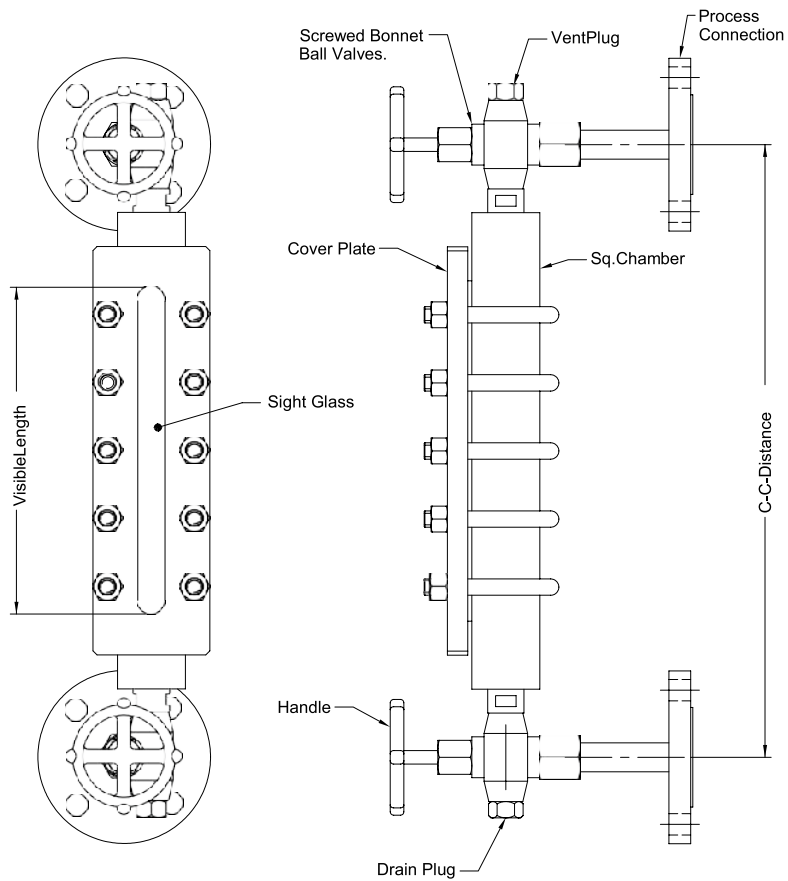
Approvals



Standard Specifications

Process connection	Flanged / Screwed
Center-to-center distance	300mm (Min.) upto 3,000mm (Max.)
Glasses	Klinger (Upto 450°C) / Toughened (upto 120°C)
Chamber and cover	Carbon steel, SS304 and Ss316, PP
Packing gasket	Grafoil, PTFE, Graphite
Mounting	Side / Side
Scale material	Aluminum/ Stainless steel max.
Operating temperature	Upto 450°C
Hydro test	1.5 times of the rated pressure (25 Minutes)
Vent/Drain connection	1/2"NPTF, plugged
Isolation valves	Screwed bolted bonnet ball valve, Globe valve, Offset ball valve

Dimensional Drawing



All dimensions are in mm

C-C Distance Table

Code	C-C Distance	Code	C-C Distance	Code	C-C Distance
AG	350	AY	1250	BQ	2150
AH	400	AZ	1300	BR	2200
AI	450	BA	1350	BS	2250
AJ	500	BB	1400	BT	2300
AK	550	BC	1450	BU	2350
AL	600	BD	1500	BV	2400
AM	650	BE	1550	BW	2450
AN	700	BF	1600	BX	2500
AO	750	BG	1650	BY	2550
AP	800	BH	1700	BZ	2600
AQ	850	BI	1750	CA	2650
AR	900	BJ	1800	CB	2700
AS	950	BK	1850	CC	2750
AT	1000	BL	1900	CD	2800
AU	1050	BM	1950	CE	2850
AV	1100	BN	2000	CF	2900
AW	1150	BO	2050	CG	2950
AX	1200	BP	2100	CH	3000

Ordering Codes

Level Gauge Basic Data

1. Model	RL	
RL Reflex Level Gauge		
2. Chamber body	1	
1 Single bar stock 2 Forging		
3. Center-to-center distance	AG	
XX Refer C-C Distance table		
4. Process connection	A	
A 15NB (1/2")#150RF B 15NB (1/2")#300RF C 25NB (1")#150RF D 25NB (1")#300RF E 50NB (2")#150RF		
5. Chamber/ cover MOC		1
1 SS304 3 Carbon steel 2 SS316 4 PP		
6. Glass		B
B Boro silicate K Klinger T Toughened		
7. Gasket	1	
1 PTFE 2 Grafoil 3 Graphite		
8. IBR	N	
I IBR N NIBR		

Configurator Generated Code "XXXX"

9. Working pressure
20Kg/sq.cm (standard) 50Kg/sq.cm
10. Working temperature
0 to 100 deg.C (standard) 0 to 450 deg.C
11. Scale MOC
SS304 (standard) aluminium
12. Visible length
Suiting C-C distance
13. Mounting
Side-Side (standard)
14. Vent/ drain plug
1/2" NPT with plug (standard) 1/2" NPT with bonnet type isolation valve 1/2" NPT with auto shut off valve
15. Process connection MOC
PC MOC SS304 (standard)
16. Optional features
Tag plate, AISI 304SS Material test certificate 3.1 (standard) Test certificate Illuminator with diffuser (weather proof/ Flame proof) MICA shield Offset ball valve Globe valve Bonnet screwed valve

Ordering Example (standard)

RL1AGA1B1N-0000

Reflex Level Gauge, Single barstock, 350CC, 15NB (1/2")#150RF, SS304, Borosilicate, NIBR, 20Kg/sq.cm, 0 - 250 Deg.C, Aluminium, Side-Side, 1/2" NPT with Plug, PC MOC SS316, Material test certificate

Notes

For any special requirements, or special connections, please contact Forbes Marshall.

Wetted parts include chamber and process connection.



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Forbes Vyncke
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