



Reflex



Transparent

Working Principle & Operation

Reflex level gauges working principle is based on the light refraction and reflection laws.

Transparent level gauge employs two transparent sight glasses, one on each side of the liquid chamber.

Light is permitted to pass through, allowing observation of level, color and clarity of the liquid.

The liquid level is indicated as a result of difference in the transparent properties of the two media.

Special Features

- Simple & rugged design
- Easy for installation & maintenance
- Stainless steel version (optional)
- High pressure version (optional)

Applications

- Chemical Industries
- Process Industries
- Power Industries
- For clear liquids in pressurized chamber or boiler drum

Specification :

Standard Version :

Mounting	:	Side
Body material	:	Carbon Steel
C. C. distance (± 3 mm)	:	300 mm to 4000 mm
Process connection	:	1" 150 # Flanged
Scale	:	Aluminum
Drain & vent	:	1/2" NPT (M) Plugs
Auto shut off ball valve	:	Screwed Bonnet type
Gaskets	:	Compressed Asbestos Fibre (CAF)
Sight glass	:	Toughened Glass
Maximum Operating Temperature	:	Up to 120°C
Maximum Operating Pressure	:	20 kg/cm ²

How to Order				Example
Basic Model				LGR
Type				
R- Reflex	T- Transparent			X
Body Material & Cover Plates				
1 MS x MS	3 AISI 304 SS X AISI 304 SS	4 AISI 316 SS x MS		X
2 AISI 304 SS x MS	5 AISI 316 SS X AISI 316 SS	C Customized Design (Non - Standard)		
Sight Glass				
B Borosilicate Glass (standard) Max. Pressure 20 kg/cm ² & Temperature up to 120°C)				X
I Imported (Max. Pressure 100 kg/cm ² & T emperature up to 400° C				
Gasket				
F CAF (Standard)	P PTFE	G Graphoil		X
Process Connection Flanged Connections (As per ANSI B 16.5)				
4NM 1/2" NPT (M)	B09 1/2" 150 # RF	B21 1" 150# RF (Standard)	B39 2" 150# RF	
4NF 1/2" NPT (F)	B10 1/2" 300# RF	B22 1" 300# RF	B40 2" 300# RF	
5NM 3/4" NPT (M)	B11 1/2" 600# RF	B23 1" 600# RF	B41 2" 600# RF	XXX
5NF 3/4" NPT (F)	B15 3/4" 150# RF	B33 1 1/2" 150# RF	B51 3" 150# RF	
6NM 1"NPT (M)	B16 3/4" 300# RF	B34 1 1/2" 300# RF	B52 3" 300# RF	
6NF 1"NPT (F)	B17 3/4" 600# RF	B35 1 1/2" 600# RF	B53 3" 600# RF	
Top Side Vent Flanged Connections(As per ANSI B 16.5)				
1 Plug - 1/2" NPT (M) (Standard)	B09 1/2" 150 # RF	B21 1" 150# RF	B39 2" 150# RF	
4 Needle Valve - 1/2" NPT (F)	B10 1/2" 300# RF	B22 1" 300# RF	B40 2" 300# RF	
5 Ball Valve - 1/2" NPT (F)	B11 1/2" 600# RF	B23 1" 600# RF	B41 2" 600# RF	X OR XXX
C Customized Design (Non-Standard)	B15 3/4" 150# RF	B33 1 1/2" 150# RF	B51 3" 150# RF	
	B16 3/4" 300# RF	B34 1 1/2" 300# RF	B52 3" 300# RF	
	B17 3/4" 600# RF	B35 1 1/2" 600# RF	B53 3" 600# RF	
Bottom Side Drain Flanged Connections(As per ANSI B 16.5)				
1 Plug - 1/2" NPT (M) (Standard)	B09 1/2" 150 # RF	B21 1" 150# RF	B39 2" 150# RF	
4 Needle Valve - 1/2" NPT (F)	B10 1/2" 300# RF	B22 1" 300# RF	B40 2" 300# RF	
5 Ball Valve - 1/2" NPT (F)	B11 1/2" 600# RF	B23 1" 600# RF	B41 2" 600# RF	X OR XXX
C Customized Design (Non-Standard)	B15 3/4" 150# RF	B33 1 1/2" 150# RF	B51 3" 150# RF	
	B16 3/4" 300# RF	B34 1 1/2" 300# RF	B52 3" 300# RF	
	B17 3/4" 600# RF	B35 1 1/2" 600# RF	B53 3" 600# RF	
Material Of Scale				
A Aluminum (Standard)	S AISI 304 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 300 mm to 4000 mm)				800 mm
Option (* Available for Type "T" only)				
For non standard products/optional items, please contact factory for delivery and minimum quantity of order.				
AA Offset Valve- Screwed Bonnet with Auto Ball Check	AC With Anti Frost*			XX
AB Offset Valve - Bolted Bonnet with Auto Ball Check	AD Illuminator (W/P-IP-65)*			
	AE Illuminator (Ex-proof IIA & IIB +IP-65)*			
Ordering Example: LE . X . X . X . X . XXX . X OR XXX . X OR XXX . X . 800 mm . XX				
Ordering Information : Specify model no., Liquid, Specific Gravity, Operating Pressure & Operating Temperature.				
Note 1 : Visible length shall be less by 100 mm to 150 mm than Center to Center Distance.				

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.