



Reflex Type

Transparent Type

Specification:

Type	: Reflex / Transparent.
Body Material	: CS / SS304/ SS316 / Polypropylene
Cover Material	: CS / SS304/ SS316 / FRP
Sight glass	: Toughened Glass
Packing	: PTFE / CAF / CNAF / Graphoil SS rain forced.
Process connection	: Flanged / Threaded.
Vent & Drain	: Plug / valve
Gauge Connection	: Side-Side / Top-Bottom.
Process Connection Orientation	: Back/Back / Left/Left / Right/Right / Vertical/ Vertical.
Material of scale	: Aluminum / SS304 / SS316.
C-C distance	: 300 to 4000 mm
Max operating temperature	: 70 °C / 150 °C 400 °C .
Max Pressure	: 10 Bar / 25 Bar / 50 Bar / 100 Bar.

LGF

Level Gauge-Flat Glass (Reflex/Transparent)

LGF-Reflex / Transparent Flat Glass Level Gauges are designed for safe & positive visual indication of liquid level in vessels under high pressure & temperature conditions Reflex Flat Glass has precision molded prismatic grooves cut on inner surface, which comes in contact with liquid. Light striking on glass portion covered by liquid is refracted (absorbed) making this portion appear BLACK, whereas glass portion covering vapour space reflects light, making it appear Silvery-White. Thus, a sharp clear line marks the liquid, eliminating all possibilities of errors in reading. Transparent Flat Glass is a clear glass for visual level indication & especially for interface services or where the liquid is dirty or viscous.

Features:

- Simple & Rugged design.
- Easy installation & Maintenance.
- Available in various materials.

Application:

- Chemical / Petro-chemical,
- Fertilizer,
- Power Generation,
- Pharmaceutical,
- For Clear Liquids in Pressurized chamber & Boiler drum.

Model code (Example)

How to order

LGF

Type:

R

R: Reflex

T: Transparent

Body material:

C

C: CS

S: SS 304

X: SS 316

P: Polypropylene

O: other

Cover material:

C

C: CS

S: SS 304

X: SS 316

P: FRP

O: other

Pressure:

P2

P1: 10 Kg/cm²

P2: 25 Kg/cm²

P3: 50 Kg/cm²

P4: 100 Kg/cm²

Temperature:

T2

T1: 70 °C

T2: 150 °C

T3: 400 °C

Gasket:

C

C: CAF

N: CNAF

P: PTFE

G: Graphoil SS Reinforced

O: other.

Process connection:

A0A

Select XYZ form Table mentioned below.

For other connection please mention in Bracket (e.g. write "[20 NB PN10]")

X	Y	SIZE	Z	CONNECTION
X	5	1/2"	1	BSP(M)
X	7	3/4"	2	BSP(F)
A	0	1"	3	NPT(M)
A	5	1 1/2"	4	NPT(F)
B	0	2"	A	150#
C	0	3"	B	300#
D	0	4"	C	600#

Table for Connection Size & Type.

Vent: e.g. write "A [size from above table]"

A[X53]

A: Plug

B: Needle valve

C: Ball valve

O: other

Drain: e.g. write "A [size from above table]"

A[X53]

A: Plug

B: Needle valve

C: Ball valve

O: other

Scale material:

A

A: Aluminum

S: SS304

P: SS316

O: other

Gauge connection:

S

S: Side-Side

T: Top-Bottom

Gauge Orientation:

B

B: Back/Back

L: Left/Left

R: Right/Right

V: Vertical/ Vertical.

Range/ C-C distance:

XXX

Specify in mm (e.g. write 500 for 500mm C-C distance)

Isolation Valve:

D

A: W/O Valve

B: Offset Needle Valve - Screwed Bonnet

C: Offset Needle Valve - Bolted Bonnet

D: Offset Needle Valve - Screwed Bonnet with Auto Ball Check

C: Offset Needle Valve - Bolted Bonnet with Auto Ball Check

O: other

Option:

N

N: None

F: Frost Free Extension

W: Illuminator IP-65 (for transparent type only)

X: Illuminator Ex-proof IIA IIB (for transparent type only)

Note:

- Model code mentioned in Example is our standard specification.
- For any other custom requirement please mention in bracket "[]".