

Magnetic float type level gauge

Model : L300 series

Spec. sheet no. LD03-01

EAC

Description

The magnetic float type level gauge is used to check the level of fluid in a vessel or tank by allowing fluid inside the vessel or tank to enter the level gauge.

When the fluid enters the level gauge, the buoyancy of the fluid causes the float inside the level gauge to rise.

A magnet in the rising float flips an indicator flap outside the level gauge. The level of fluid inside the vessel or tank can be known using the change in color of the flipped flap. Level gauge floats are designed in accordance with each customer's fluid, temperature and pressure conditions.



Type

L300 (Chamber size-50A)

Chamber size
2" (50A)

Flange rating
150~900 Lb

Material
304SS, 316SS, 316L SS, CPVC, etc.

Indicator method
Magnetic

Max. pressure
8 MPa

Max. temperature
350 °C

Specific gravity
Min. 0.7

Viscosity
Max. 50 CP

L300 (Chamber size-65A)

Chamber size
2½" (65A)

Flange rating
150~900 Lb

Material
304SS, 316SS, 316L SS, CPVC, etc.

Indicator method
Magnetic

Max. pressure
8 MPa

Max. temperature
350 °C

Specific gravity
Min. 0.5

Viscosity
Max. 50 CP

1. Base model**L300** Magnetic float type level gauge**2. Material**

4S Body - 304SS / Float - Titanium
6S Body - 316SS / Float - Titanium
6L Body - 316L SS / Float - Titanium
4E Body - 304SS+ETFE Lining / Float - Teflon
6E Body - 316SS+ETFE Lining / Float - Teflon
PV Body - PVC / Float - Teflon
ZZ Other

3. Vessel connection

A1 ½" 150Lb RF
A2 ¾" 150Lb RF
A3 1" 150Lb RF
A4 1½" 150Lb RF
A5 ½" 300Lb RF
A6 ¾" 300Lb RF
A7 1" 300Lb RF
A8 1½" 300Lb RF
J1 15A 10K RF
J2 20A 10K RF
J3 25A 10K RF
J4 40A 10K RF

4. Chamber size

5 2", 50A
6 2½", 65A

5. C to C (Visible length)

01 0~250
02 251~500
03 501~750
04 751~1000
05 1001~1250
06 1251~1500
07 1501~1750
08 1751~2000
09 2001~2250
10 2251~2500
11 2501~2750
12 2751~3000
13 3001~3250

6. Drain connection_Size and connection type

1 ½" NPT(F)
2 ½" S.W
3 ¾" NPT(F)
4 ¾" S.W
O Other

7. Drain connection_Type

1 Only plug
2 Valve with plug
3 Valve with elbow and plug
4 Valve with end cap
5 Valve with elbow and end cap
O Other

8. Drain connection_Valve type

X None
G Gate valve, API 800Lb
L Globe valve, API 800Lb
B Ball valve
N Needle valve
O Other

9. Drain connection_Material

CC C.S
44 304SS
4L 304L SS
64 316SS
6L 316L SS
VV PVC
PP PP
ZZ Other

10. Vent connection_Size and Connection type

1 ½" NPT(F)
2 ½" S.W
3 ¾" NPT(F)
4 ¾" S.W
O Other

11. Vent connection_Type

1 Only Plug
2 Valve with Plug
3 Valve with Elbow and plug
4 Valve with End cap
5 Valve with Elbow and end cap
O Other

Sample ordering code

1	2	3	4	5	6	7	8	9	10	11	12	13	14
L300	4S	A1	5	01	1	1	X	CC	1	1	X	CC	L1



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12. Vent connection_Valve type

- X** None
- G** Gate valve, API 800Lb
- L** Globe valve, API 800Lb
- B** Ball valve
- N** Needle valve
- O** Other

13. Vent connection_Material

- CC** C.S
- 44** 304SS
- 4L** 304L SS
- 64** 316SS
- 6L** 316L SS
- VV** PVC
- PP** PP
- ZZ** Other

14. Option

- L1** Scale plate
- L2** Non-frosting
- L3** Jacket
- L5** Support bracket
- LA** Level switch, SPST, None-explosion proof
- LB** Level Switch, SPST, Explosion proof
- LC** Level Switch, SPDT, Non-explosion proof
- LD** Level Switch, SPDT, Explosion proof
- LE** Level Transmitter, Non-explosion proof
- LF** Level Transmitter, Explosion proof
- LO** Other
- LX** None

Optional Magnetic float type level gauge with lining for L300

Spec. sheet no. LD03-02

Description

Lining is applied to protect wet part from corrosive fluid.



Type

Chamber size

2½" (65A)

Max. temperature

150 °C

Flange rating

150Lb

Specific gravity

Min. 0.5

Material

304SS, 316SS

Viscosity

Max. 50 CP

Indicator method

Magnetic

Lining parts

Inside of chamber

Max. pressure

0.5 MPa

Lining material

ETFE

Optional Magnetic float type level gauge with Non-frosting for L300

Spec. sheet no. LD03-03

Description

Acrylic is applied to prevent frost from forming on the indicator due to the low temperature of the fluid.
The flap color is projected through the acrylic, allowing you to judge the water level.



Dimension

Temperature range (T (°C))	Acryl height (H (mm))
$-20 \leq T < 0$	80
$-45 \leq T < -20$	105
$-100 \leq T < -45$	155
$-160 \leq T < -100$	205

Note