

TUBULAR TYPE LEVEL GAUGE

BL SERIES

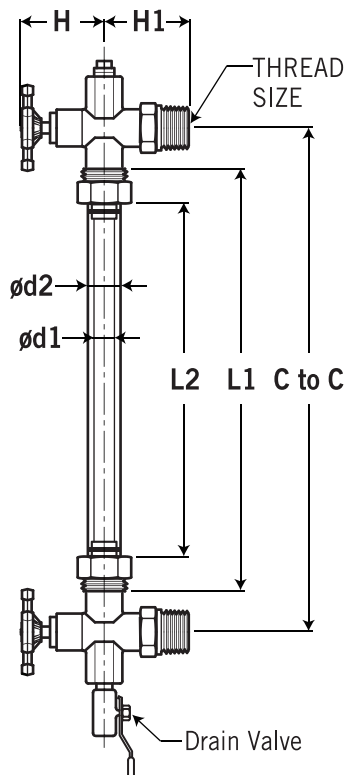
With Protection Support Pipe
Gauge Valves Sold Separately
Economical Type

BL-Series is normally used on non-pressurized and non-dangerous fluid systems with a glass tube or sight, it also can find the utility in the observation of interface or fluid color. Gauge glass is made heat resistant borosilicate.

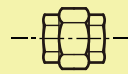
Technical Data

Suitable Fluid: Water, Oil, other chemical liquid
Gauge Valve Material: SS304 or SS316 available
Gauge Tube Material: DURAN® Glass
Seal Material: Viton or EPDM available
Protection Support Pipe Material: Acrylic
Gauge Valve Function: With or Without ball check
Max. Working Temperature: 120°C
Max. Working Pressure: 5~8 kg/cm²
 (Please also consider of the function of length and temperature.)
Process Connection: 1/2"~3/4" Male Thread; and 3/8"~1" Flange type on request
Process Type: Thread G, NPT, BSPT available
 Flange JIS, ANSI, DIN available
Drain Valve Connection: 1/4" and 3/8" Female Thread G, NPT, BSPT available
Center to Center Length: Max. 1500 mm

Dimensions-mm

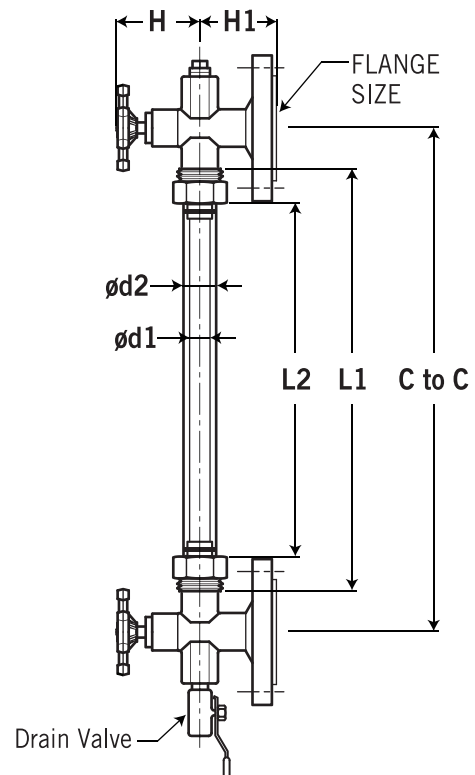
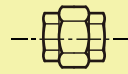


Thread Type



Installation Notice:

For thread type, please use the "Unions" to install the level gauge on the tank.
 And, the unions provide by customer self.



Flange Type

| Thread Size | H | H1 | d1 | d2 | L1 | L2 | Drain Valve | Glass Tube Dimensions |
|-------------|----|----|----|----|----|----|-------------|-----------------------|
| 1/2" | 59 | 38 | 12 | 22 | 47 | 80 | 1/4" | ① ø13x2.2t |
| | | | | | | | | ② ø14x2.2t |
| 3/4" | 74 | 47 | 19 | 28 | 48 | 87 | 3/8" | ③ ø16x2.5t |
| | | | | | | | | ④ ø18x2.5t |
| | | | | | | | | ⑤ ø20x2.5t |

- Female or Male Thread 「G, NPT, BSPT」 are on request.
- If the thread size is 「G½"(F)」, the drain valve size is 「G¼"(F)」.



BLV

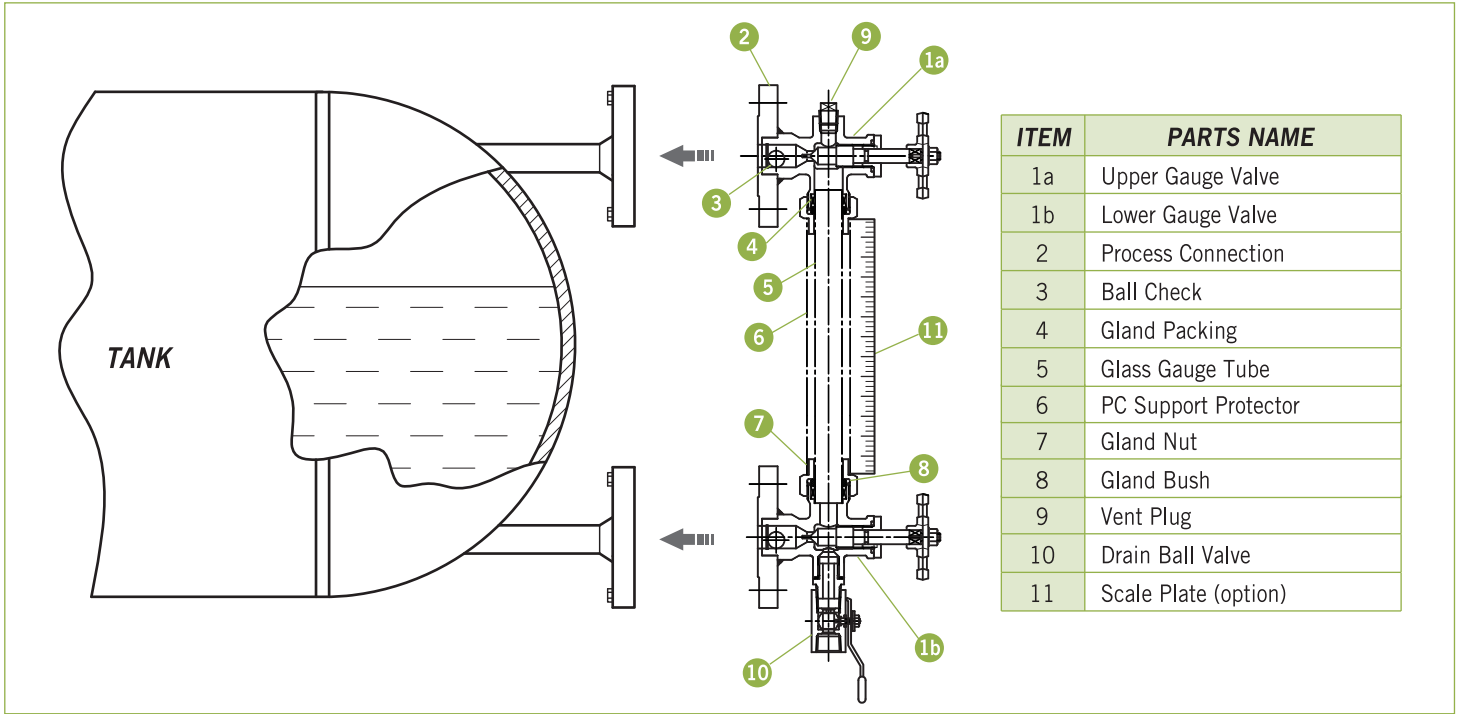
(Gauge valves*2 piece/1set)

BLT/BLF

| Flange Size | H | H1 | d1 | d2 | L1 | L2 | Drain Valve | Glass Tube Dimensions |
|-------------|----|----|----|----|----|----|-------------|-----------------------|
| 3/8" | 59 | 41 | 12 | 22 | 47 | 80 | 1/4" | ① ø13x2.2t |
| | | | | | | | | ② ø14x2.2t |
| 1/2" | 59 | 41 | 12 | 22 | 47 | 80 | 1/4" | ③ ø16x2.5t |
| | | | | | | | | ④ ø18x2.5t |
| 3/4" | 74 | 50 | 19 | 28 | 48 | 87 | 3/8" | ⑤ ø20x2.5t |
| | | | | | | | | |
| 1" | 74 | 50 | 19 | 28 | 48 | 87 | 3/8" | |

- Flange rating JIS, ANSI, DIN are on request.
- If the thread size is 「G½"(F)」, the drain valve size is 「G¼"(F)」.

Installation & Parts List



Ordering Information

| | | | |
|-------------|--|---|---|
| Model | BLT | with protection support pipe; Thread type | |
| | BLF | with protection support pipe; Flange type | |
| | BLV | only gauge valves (2 pieces/1 set) | |
| | Code | Connection Size | |
| | Thread | (A) 1/2" NPT(M) (B) 3/4" NPT(M) (C) G1/2"(M) (D) G3/4"(M) (E) 1/2" BSPT(M) (F) 3/4" BSPT(M) | |
| | Flange | (G) 1/2" JIS 10K (H) 3/4" JIS 10K (I) 1" JIS 10K | |
| | | (J) 1/2" ANSI 150# (K) 3/4" ANSI 150# (L) 1" ANSI 150# (O) option | |
| | Code | Gauge Valve Material | |
| | | (1) SS304 (2) SS316 | |
| | Code | Gauge Tube Material | |
| | 1 | DURAN® Glass | N Without gauge tube (for model BLV only) |
| | Code | Gauge Tube Dimensions | |
| | | (1) ø13 x 2.2t mm (2) ø14 x 2.2t mm (3) ø16 x 2.5t mm (4) ø18 x 2.5t mm (5) ø20 x 2.5t mm | |
| | Code | Seal Material | |
| | | (1) Viton (2) EPDM | |
| Code | The Function of Gauge Valve | | |
| | (A) With Ball Check (B) Without Ball Check | | |
| Code | Drain Valve Type | | |
| | (1) Ball Valve (2) Plug (3) Needle Valve | | |
| Code | Vent Valve Type | | |
| | (1) Ball Valve (2) Plug (3) Needle Valve | | |
| Code | Center to Center Length (C to C) | | |
| | Please directly fill out the length as you required. (Max. 1500mm) | | |
| Code | Protection Support Pipe | | |
| | (W) With Acrylic (N) Without | | |
| Code | Scale Plate | | |
| A | With | | |
| B | Without | | |