

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 are 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

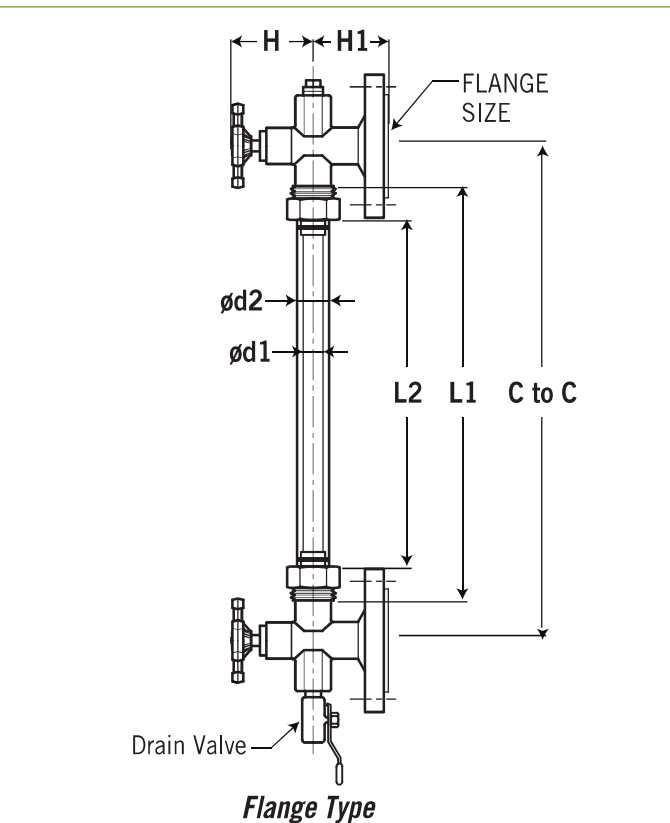
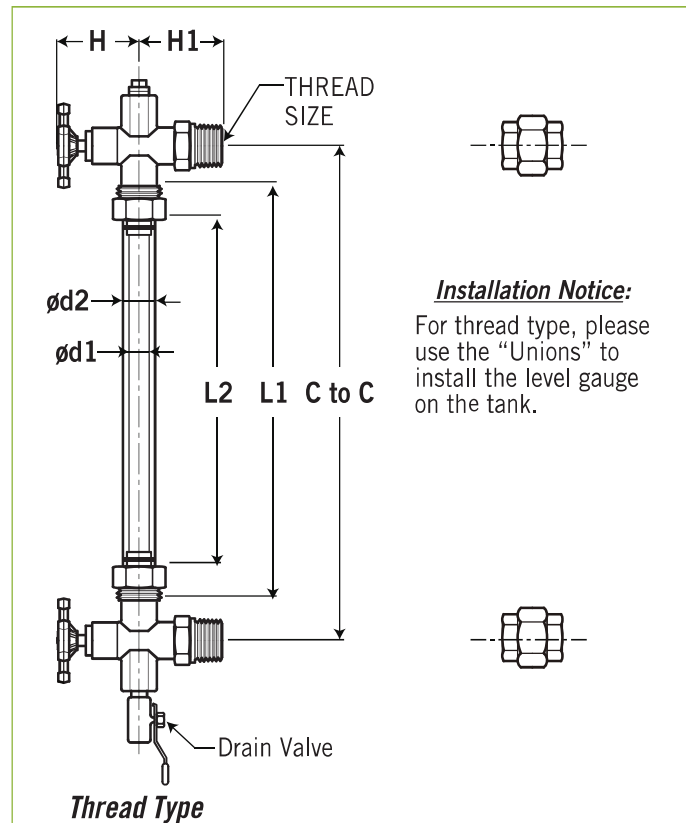
Flange JIS, ANSI, DIN available

Drain Valve Connection: 1/4" and 3/8" Female Thread G, NPT, BSPT available

Center to Center Length: Max. 1500 mm



Dimensions-mm



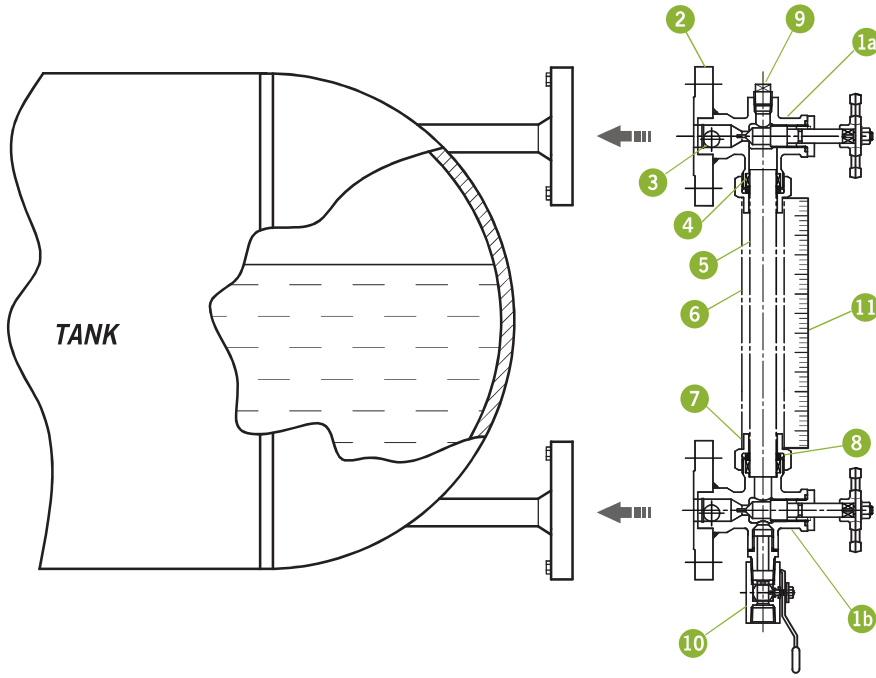
Thread Size	H	H1	d1	d2	L1	L2	Drain Valve	Glass Tube Dimensions
1/2"	59	38	12	22	47	80	1/4"	① ø13x2.2t ② ø14x2.2t
3/4"	74	47	19	28	48	87	3/8"	③ ø16x2.5t ④ ø18x2.5t ⑤ ø20x2.5t

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

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
1/2"	59	41	12	22	47	80	1/4"	② ø14x2.2t
3/4"	74	50	19	28	48	87	3/8"	③ ø16x2.5t
1"	74	50	19	28	48	87	3/8"	④ ø18x2.5t ⑤ ø20x2.5t

- 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



ITEM	PARTS NAME
1a	Upper Gauge Valve
1b	Lower Gauge Valve
2	Process Connection
3	Ball Check
4	Gland Packing
5	Glass Gauge Tube
6	PC Support Protector
7	Gland Nut
8	Gland Bush
9	Vent Plug
10	Drain Ball Valve
11	Scale Plate (option)

Ordering Information

Model	BLT	with protection support pipe; Thread type	
	BLF	with protection support pipe; Flange type	
	BLV	only gauge valves (2-pieces)	
	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
	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		