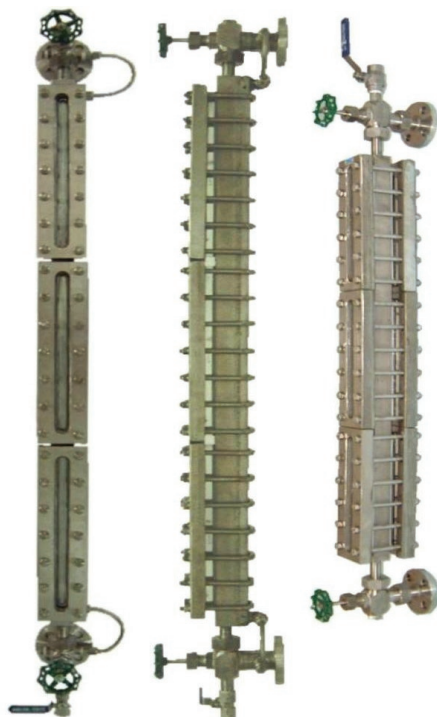


LIQUID LEVEL GAUGE

R Series – Reflex Type T Series – Transparent Type B Series – Large Chamber Type



NEW-FLOW glass level gauge are designed in wide range including R series, T series and B series. Which meet various pressure, temperature for application by customer.

Feature

- High Quality
- Low Cost
- Material: Carbon steel, SS304, SS316 are available
- The special materials are available by requested

Valve Type



Standard Type Valve

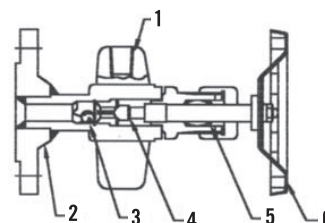
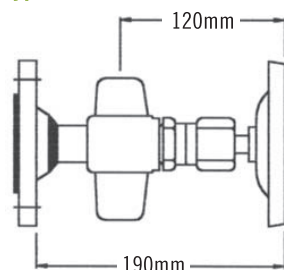


Jacket Type Valve



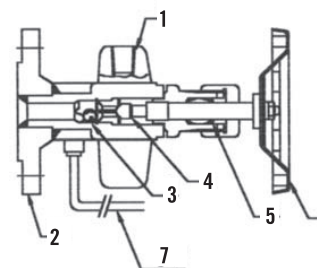
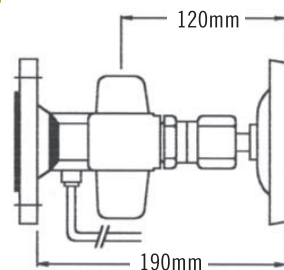
Offset Type Valve

Standard Type



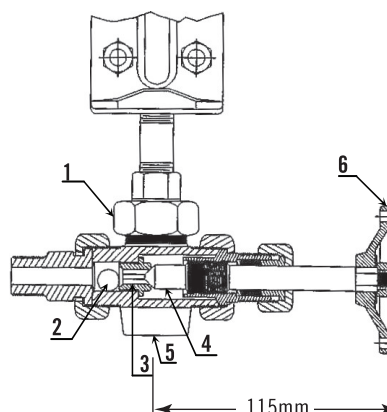
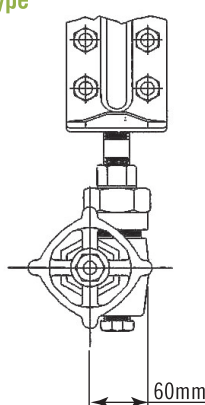
- (1) Body
- (2) Flange
- (3) Ball
- (4) Plug stem
- (5) Packing
- (6) Handle wheel

Jacket Type Valve



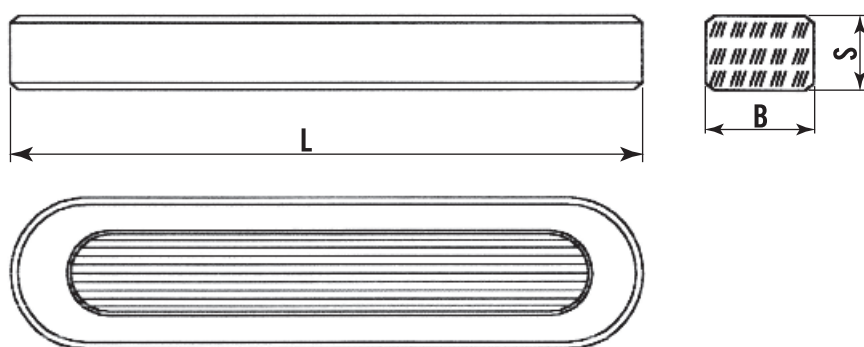
- (1) Body
- (2) Flange
- (3) Ball
- (4) Plug stem
- (5) Packing
- (6) Handle wheel
- (7) Jacket tube

Offset Valve Type



- (1) Unit-Nut
- (2) Ball Check
- (3) Seat
- (4) Stem
- (5) 1/2" NPT
- (6) Handle Wheel

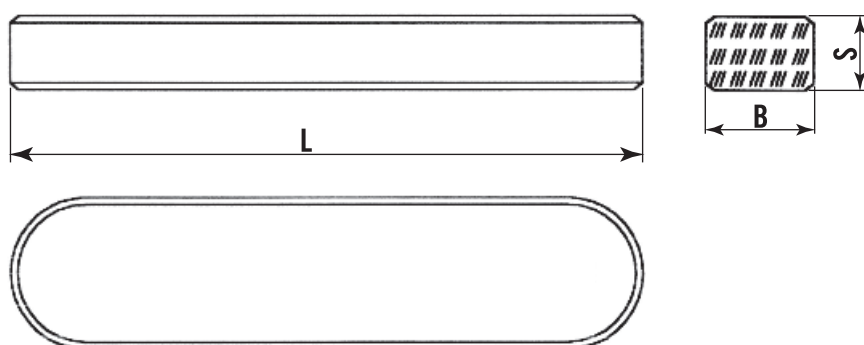
Glass for Reflex type



Dimensions-mm

Size	L	B	S
1	190	34	17
2	220	34	17
3	250	34	17
4	280	34	17
5	300	34	17
6	320	34	17
7	340	34	17
8	400	34	17

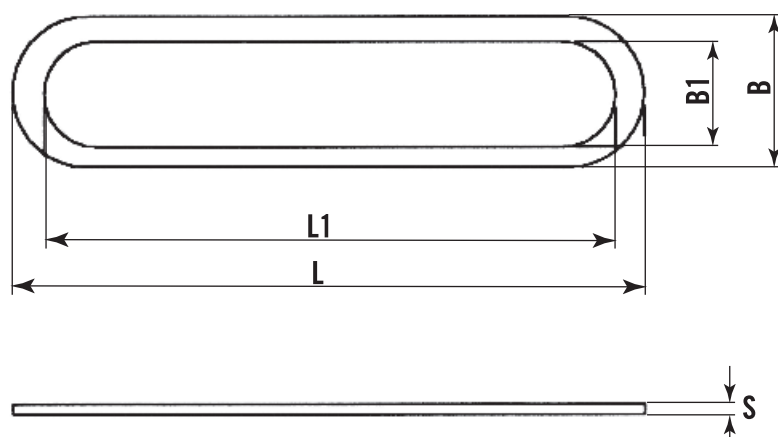
Glass for Transparent type



Dimensions-mm

Size	L	B	S
1	190	34	17
2	220	34	17
3	250	34	17
4	280	34	17
5	300	34	17
6	320	34	17
7	340	34	17
8	400	34	17

Sealing Gasket

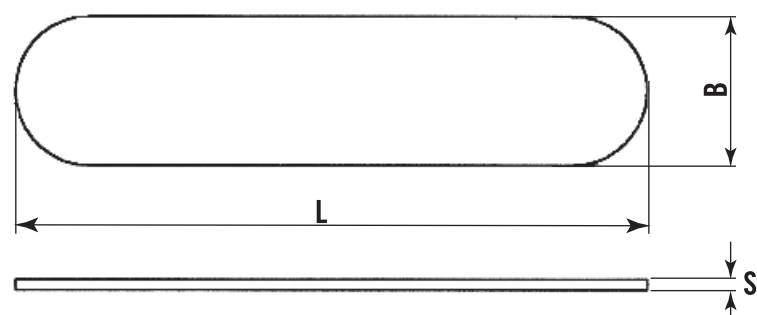


Dimensions-mm

Size	L	B	S
1	190	34	17
2	220	34	17
3	250	34	17
4	280	34	17
5	300	34	17
6	320	34	17
7	340	34	17
8	400	34	17

S=1.3~1.8

Mica Shields

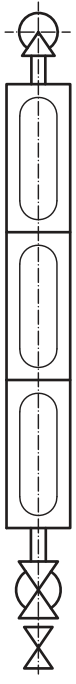
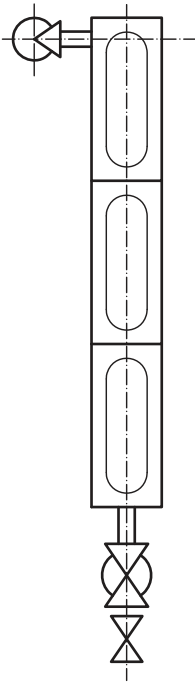
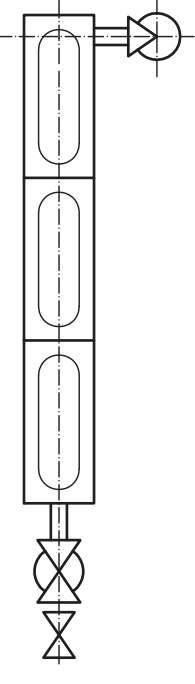
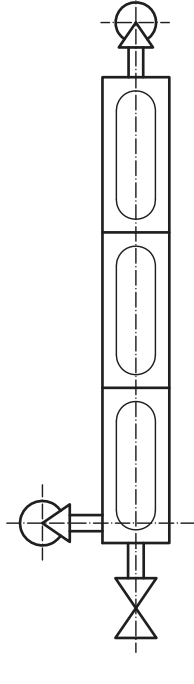
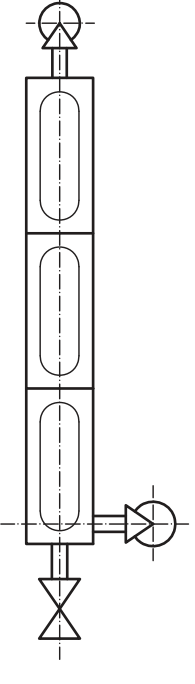


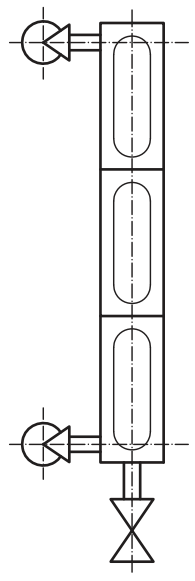
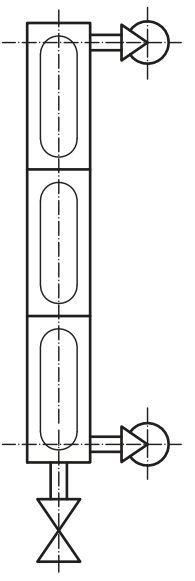
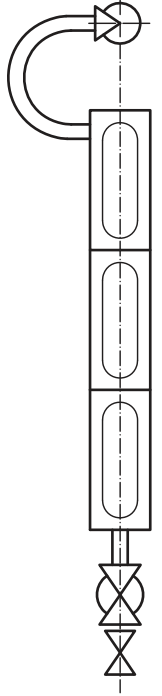
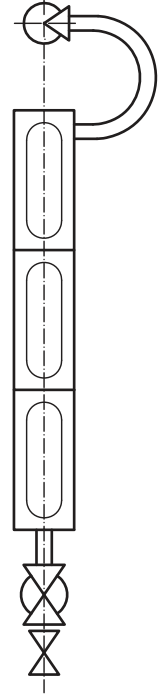
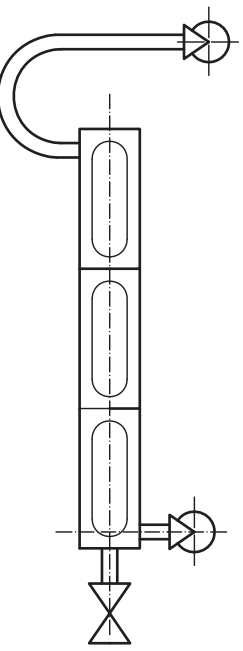
Dimensions-mm

Size	L	B	S
1	190	34	17
2	220	34	17
3	250	34	17
4	280	34	17
5	300	34	17
6	320	34	17
7	340	34	17
8	400	34	17

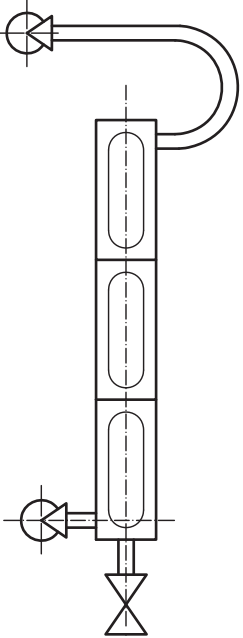
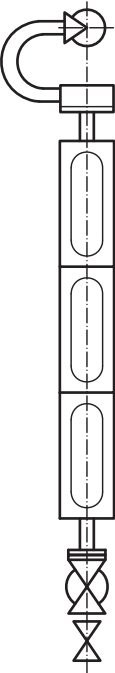
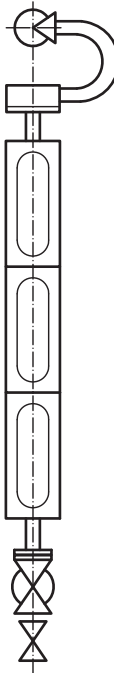
S=0.15~0.20

Installed Methods- Process Connection

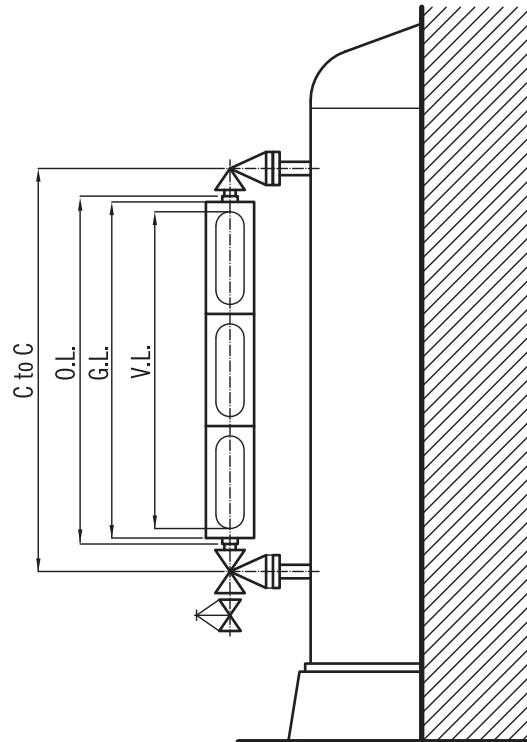
Top Bottom	Bottom-Left Side	Bottom-Right Side	Top-Left Side	Top-Right Side
A. 	B. 	C. 	D. 	E. 

Left to Left Side	Right to Right Side	Left Bend Top	Right Bend Top	Right Bend Right Side
F. 	G. 	H. 	I. 	J. 

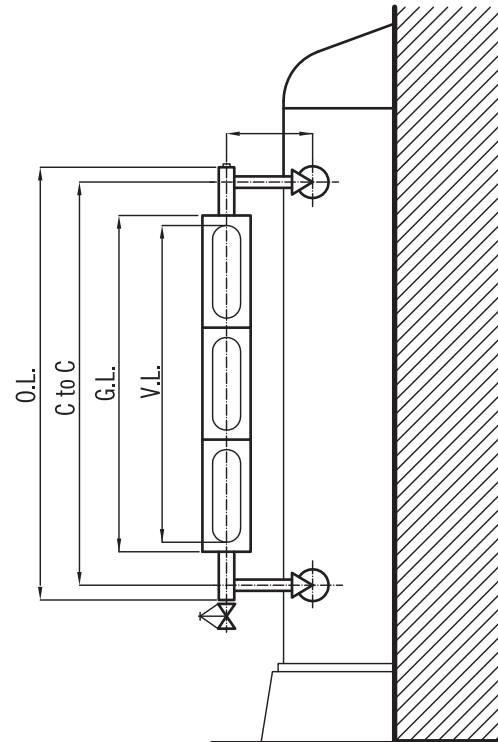
Installed Methods- Process Connection

Left Bend Left Side	Bottom. Flanged Left Bend Top	Bottom. Flanged Right Bend Top
K. 	L. 	M. 

Sample Hook-Up Drawing



Top-Bottom Hook-Up



Right to Right Side Hook-Up

• R Series – Reflex Type Liquid Level Gauge

The Reflex type level gauge is constructed by a solid one-piece chamber made from bar stock with ductile steel covers, hard glass, steel bolts and nuts. The material are available with carbon steel, SS304, SS316 and SS316L. The special material are available by requested. The level gauge provide from one up to five section. As the reflex level gauge is used, liquid section appears black color and steam or gas section appears with white color. The R Series level gauge is designed to suit for the equipment in the chemical plant. Power plant and other industries to measure the liquid level. NEW-FLOW provides - R (standard type), RJ (jacket type) and RN (Non-frosting type) for customer to application by requested.

Technical Data

Center to Center length: By customer requested

Connection Vessel: ½" or ¼" female or male

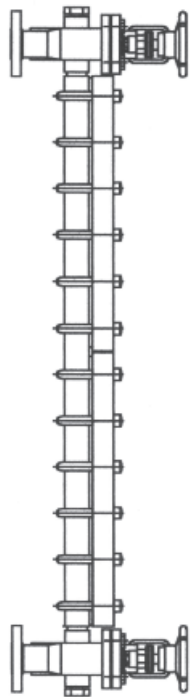
Process Rating: Thread or Flange end available

Covers: Ductile, SS304 and SS316 are available by requested

Sight Glass: Borosilicate glass

Gasket: High quality material are made by requested

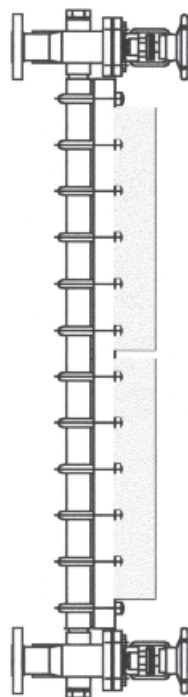
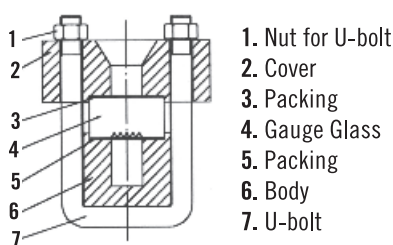
U-Bolt and Nuts: Alloy steel, SS304 and SS316 are available



Model: R
Standard Type

- **Temperature Range:** 2°C ~ 280°C
- **Pressure Range:** up to 40 kg/cm² (standard);
optoin up to 70 kg/cm² available.
- **With Gauge Valve:** Union nut or Nipple between
gauge valve and vessel body.
- **Process Connection:** Thread or Flange
according to JIS, ANSI and DN specification.

Parts List

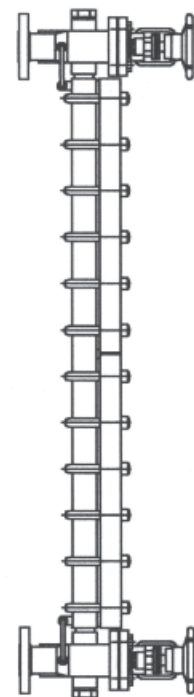
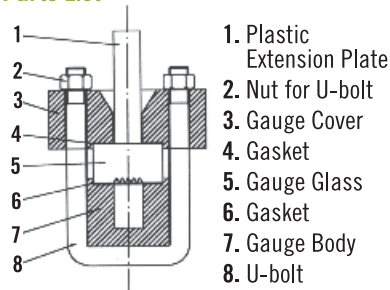


Model: RN
Non-Frosting Type

Using in low temperature application to prevent the frost build up does not obscure reading of the liquid level.

- **Temperature Range:** -10°C ~ -100°C
- **Pressure Range:** up to 20 kg/cm²

Parts List

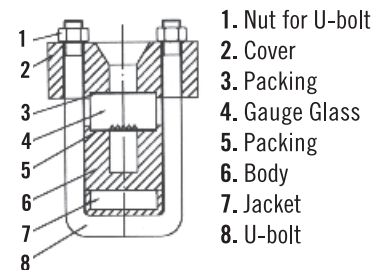


Model: RJ
Jacket Type

Jacket type— Heating or Cooling
This type is built with a jacket pass through steam or cooling water into the jacket. It can keep temperature in the vessel to avoid liquid crystallization or vaporization. So the liquid can be indicated clearly.

- **Temperature Range:** 2°C ~ 280°C
- **Pressure Range:** up to 40 kg/cm² (standard);
optoin up to 70 kg/cm² available.

Parts List



[illegible]

• T Series – Transparent Type Liquid Level Gauge

The Transparent type level gauge is constructed by a solid one-piece chamber made from bar stock with ductile steel covers, hard glass, steel bolts and nuts. The material are available with carbon steel, SS304, SS316 and SS316L. The special material are available by requested. The level gauge provide from one up to five section. As the transparent level gauge is used, liquid section appears black color and steam or gas section appears with white color. The T Series level gauge is designed to suit for the equipment in the chemical plant. Power plant and other industries to measure the liquid level. NEW-FLOW provides - T (standard type), TJ (jacket type) and TN (Non-frosting type) for customer to application by requested.

Technical Data

Center to Center length: By customer requested

Connection Vessel: ½" or ¼" female or male

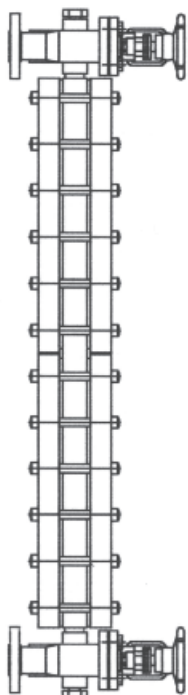
Process Rating: Thread or Flange end available

Covers: Ductile, SS304 and SS316 are available by requested

Sight Glass: Borosilicate glass

Gasket: High quality material are made by requested

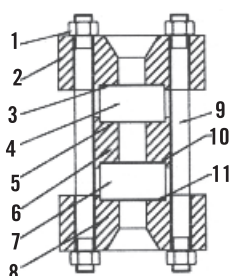
U-Bolt and Nuts: Alloy steel, SS304 and SS316 are available



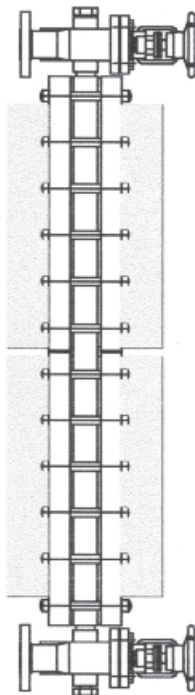
Model: T
Standard Type

- **Temperature Range:** 2°C ~ 280°C
- **Pressure Range:** up to 40 kg/cm² (standard);
option up to 70 kg/cm² available.
- **Without Gauge Valve:** ½" or ¾" NPT
- **With Gauge Valve:** Union nut or Nipple between
gauge valve and vessel body.
- **Process Connection:** Thread or Flange
according to JIS, ANSI and DN specification.
- **Transparent type is not suitable for**
colorless liquid.

Parts List



1. Nut for U-bolt
2. Cover
3. Packing
4. Gauge Glass
5. Packing
6. Body
7. Gauge Glass
8. Cover
9. Bolt
10. Packing
11. Packing

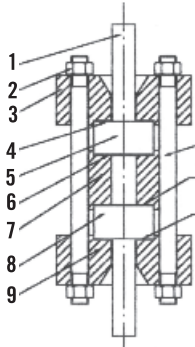


Model: TN
Non-Frosting Type

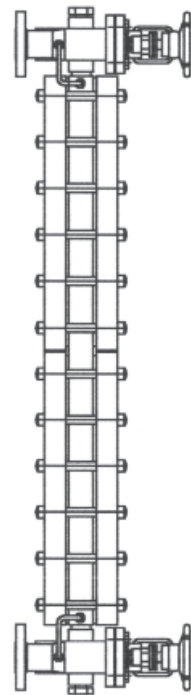
Using in low temperature application to
prevent the frost build up does not
obscure reading of the liquid level.

- **Temperature Range:** -10°C ~ -100°C
- **Pressure Range:** up to 20 kg/cm²

Parts List



1. Plastic
Extension Plate
2. Nut for U-bolt
3. Gauge Cover
4. Gasket
5. Gauge Glass
6. Packing
7. Body
8. Gauge Glass
9. Cover
10. U-bolt
11. Packing
12. Packing

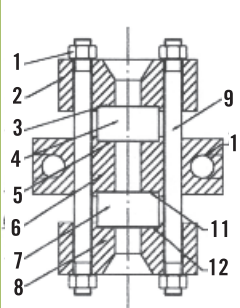


Model: TJ
Jacket Type

Jacket type— Heating or Cooling
This type is built with a jacket pass
through steam or cooling water into the
jacket. It can keep temperature in the
vessel to avoid liquid crystallization or
vaporization. So the liquid can be
indicated clearly.

- **Temperature Range:** -10°C ~ 280°C
- **Pressure Range:** up to 40 kg/cm² (standard);
option up to 70 kg/cm² available.

Parts List



1. Nut for U-bolt
2. Cover
3. Packing
4. Gauge Glass
5. Packing
6. Body
7. Gauge Glass
8. Cover
9. Bolt
10. Jacket Pipe
11. Packing
12. Packing



LG	Code	Model
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	T	Standard type
	TN	Non-Frosting type
	TJ	Jacket type
	Code	Connection Size
		(1) ½" (2) ¾" (3) 1" (4) 1½" (5) 2"
	Code	Connection Rating
		(A) NPT-M (B) ANSI 150# (C) ANSI 300# (D) PN16 (E) PN40 (F) option
	Code	Body Material
		(1) SS304 (2) SS136 (3) option
	Code	Gauge Valve Material
		(1) SS304 (2) SS136 (3) Option
	Code	Valve Type
		(A) Standard type (B) Offset type (C) Jacket type (D) option (E) without
	Code	Gasket Material
	(1) Asbestos (2) Non-Asbestos (3) Teflon (4) option	
Code	The Function of Gauge Valve	
	(A) With ball check (B) Without ball check	
Code	Center to Center length (C to C)	
	Please directly fill out the length you required	
Code	Process Connection Methods	
	Please refer to the table of Installed Methods and fill out the code (A.~M.) of your request.	
LG		Complete Ordering Code

• B Series – Large Chamber Type Liquid Level Gauge

The Large Chamber level gauge is constructed by a big chamber made with ductile steel covers, hard glass, steel bolts and nuts. The large chamber type level gauge is specifically designed to provide an easy observation for the level of viscous liquid and provide an easy flushing to vessel of the level gauge when it's on requested.

The B series can provide end connection up to 2" thread or flange, according to the specification of JIS, ANSI, DIN all materials in the B series are available with carbon steel, SS304, SS316 and SS316L. The special materials are available by requested.

Technical Data

Center to Center length: By customer requested

Connection Vessel: Up to 2" pipe size

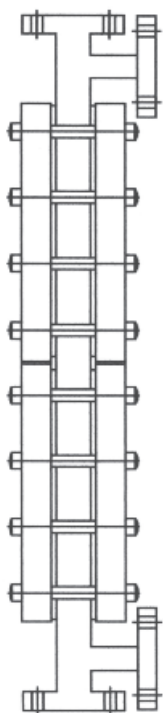
Process Rating: Thread or Flange end available

Covers: Ductile, SS304 and SS316 are available by requested

Sight Glass: Borosilicate glass

Gasket: High quality material are made by requested

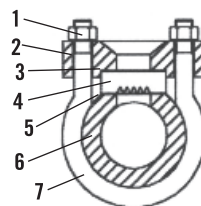
U-Bolt and Nuts: Alloy steel, SS304 and SS316 are available



Model: BR, Standard Type

- **Temperature Range:** 2°C ~ 300°C
- **Pressure Range:** up to 40 kg/cm² (standard);
option up to 70 kg/cm² available.
- **Process Connection:** ½" up to 2"

Parts List



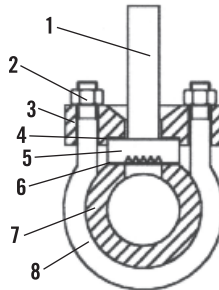
- | | |
|-------------------|-----------|
| 1. Nut for U-bolt | 6. Body |
| 2. Gauge Cover | 7. U-bolt |
| 3. Packing | |
| 4. Gauge Glass | |
| 5. Packing | |

Model: BRN, Non-Frosting Type

Using in low temperature application to prevent the frost build up does not obscure reading of the liquid level.

- **Temperature Range:** -10°C ~ -100°C
- **Pressure Range:** up to 20 kg/cm²;
- **Process Connection:** ½" up to 2"

Parts List

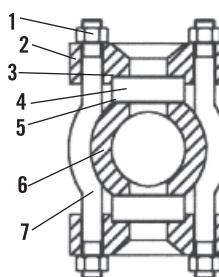


- | | |
|----------------------------|---------------|
| 1. Plastic Extension Plate | 6. Gasket |
| 2. Nut for U-bolt | 7. Gauge Body |
| 3. Gauge Cover | 8. U-bolt |
| 4. Gasket | |
| 5. Gauge Glass | |

Model: BT, Standard Type

- **Temperature Range:** 2°C ~ 300°C
- **Pressure Range:** up to 40 kg/cm² (standard);
option up to 70 kg/cm² available.
- **Process Connection:** ½" up to 2"

Parts List

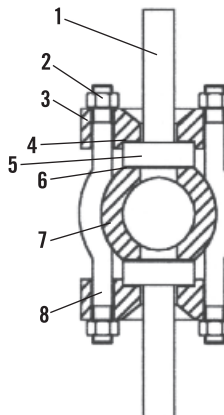


- | | |
|-------------------|---------------|
| 1. Nut for U-bolt | 6. Gauge Body |
| 2. Gauge Cover | 7. Bolt |
| 3. Gasket | |
| 4. Gauge Glass | |
| 5. Gasket | |

Model: BTN, Non-Frosting Type

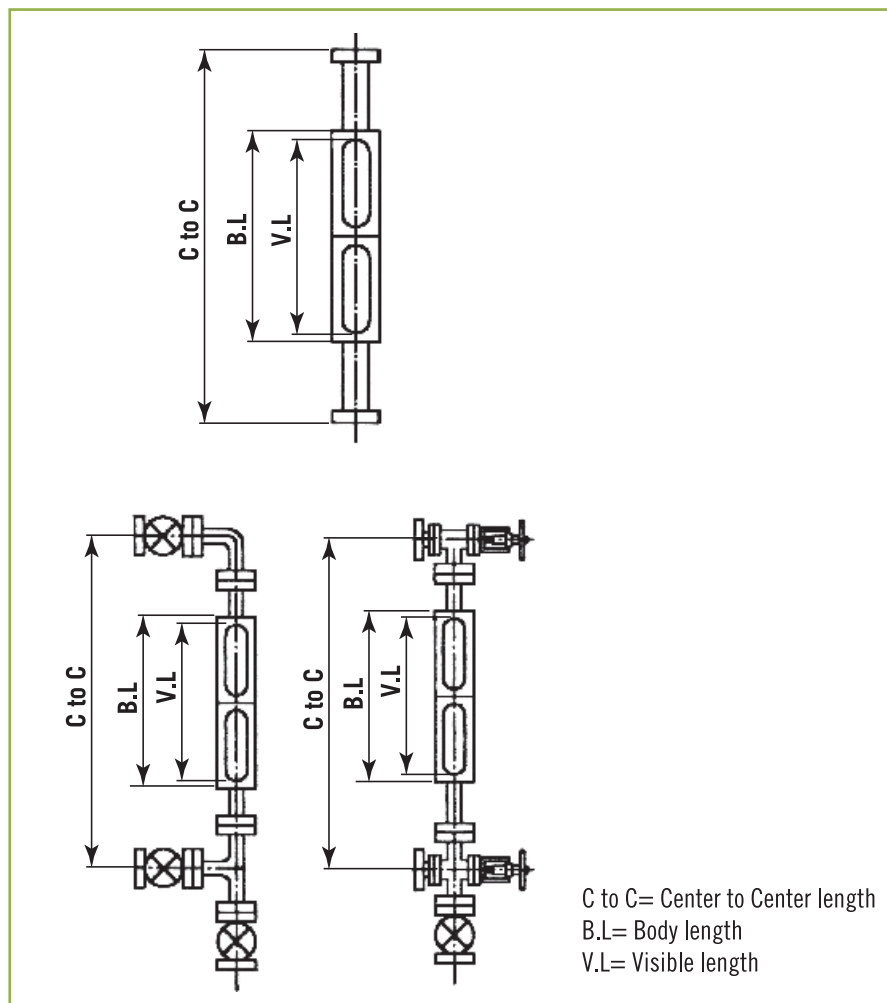
- **Temperature Range:** -10°C ~ 100°C
- **Pressure Range:** up to 20 kg/cm²;
- **Process Connection:** ½" up to 2"

Parts List



- | | |
|----------------------------|---------------|
| 1. Plastic Extension Plate | 6. Gasket |
| 2. Nut for U-bolt | 7. Gauge Body |
| 3. Gauge Cover | 8. Bolt |
| 4. Gasket | |
| 5. Gauge Glass | |

• **T Series – Transparent Type Liquid Level Gauge**
Installation Mode



Ordering Information

LG	Code	Model
	BR	Reflex, Standard type
	BRN	Reflex, Non-Frosting type
	BT	Transparent, Standard type
	BTN	Transparent, Non-Frosting type
	Code	Connection Size
		(1) ½" ANSI 150# (2) ¾" ANSI 150# (3) 1" ANSI 150# (4) 1" JIS 10K (5) Option
	Code	Body Material
		(1) SS304 (2) SS136 (3) Option
	Code	Gauge Valve Material
		(1) SS304 (2) SS136 (3) Option
	Code	Valve Type
		(A) Ball valve (B) Glove valve (C) option (D) Without
	Code	Gasket Material
		(1) Asbestos (2) Non-Asbestos (3) Teflon (4) option
	Code	Center to Center length (C to C)
		Please directly fill out the length you required
LG		Complete Ordering Code