

# FLOW SIGHT GLASS GAUGE

- FW-1** – SINGLE WINDOW (Bilateral Flow ↔)    **FW-2** – DOUBLE WINDOW (Bilateral Flow ↔)
- FW-3** – FLANGE TYPE FOR BIG SIZE    **FW-4** – DOUBLE WINDOW WITH HIGH PRESSURE

## Technical Data

**Service:** For gases and liquid

**Wetted Parts Material:** Body- SS304(CF8), SS316(CF8M), SS316L(CF3M), and Duplex stainless steel-UNS J92205 (for FW-2 & 3 & 4), and WCB on request

**\*WCB body is not available for explosion-proof (Ex) applications.\***

**Window-** Tempered glass; Gasket- Teflon or Sigma 533

**Impeller-** (1) ABS plastic, (2) PVDF, (3) PPS+40% glass fiber

**Max. Working Temperature:** For impeller- (1) ABS plastic: -25~70°C (White), (2) PVDF: -20~100°C (Red or White), (3) PPS+40% glass fiber: 0~200°C (Dark Brown)

**Max. Working Pressure:** FW-1 & FW-2: 16 kg/cm<sup>2</sup> @25°C Water

FW-3: Available for 16, 25 and 40 kg/cm<sup>2</sup> @25°C Water

FW-4: 50 kg/cm<sup>2</sup> @25°C Water

**Connection:** Threaded and Flange available

**Size:** (FW-1 & FW-2): ¼"(8A), ⅜"(10A), ½"(15A), ¾"(20A), 1"(25A), 1¼"(32A), 1½"(40A), 2"(50A)

Thread NPT or PF female; and Flange type available

(FW-3): 2"(50A) to 8"(200A) Flange type only

(FW-4): ½"(15A) to 1¼"(32A) Thread NPT female only

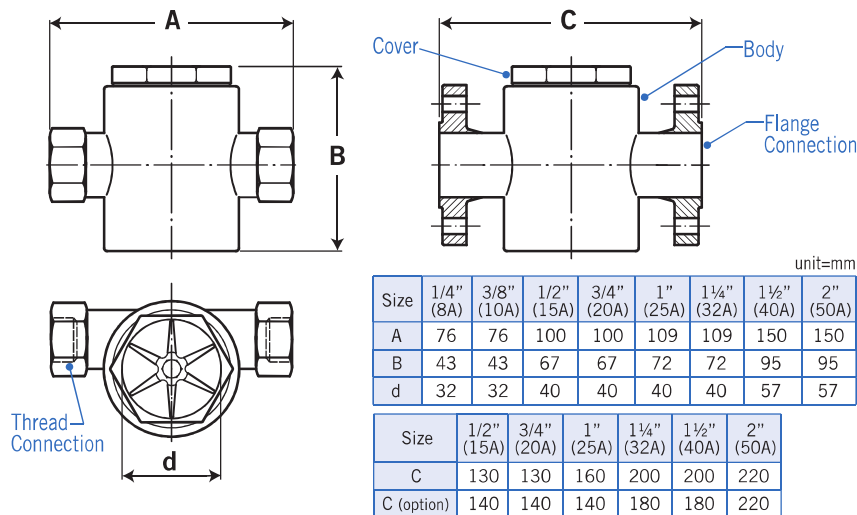
### NOTE.

Operating Pressure Range: 0 to 16 kg/cm<sup>2</sup> (gauge) for Ex applications.

## Dimension-mm

### FW-1 Single Window, Thread type & Flange type

| Body Material Code |               | S           | S4         | SL           | WB         |
|--------------------|---------------|-------------|------------|--------------|------------|
| Material           | Body / Flange | SS316(CF8M) | SS304(CF8) | SS316L(CF3M) | WCB / A105 |
|                    | Cover         | SS316(CF8M) | SS304(CF8) | SS316(CF8M)  | WCB        |



**FW-2**  
(Double Window)



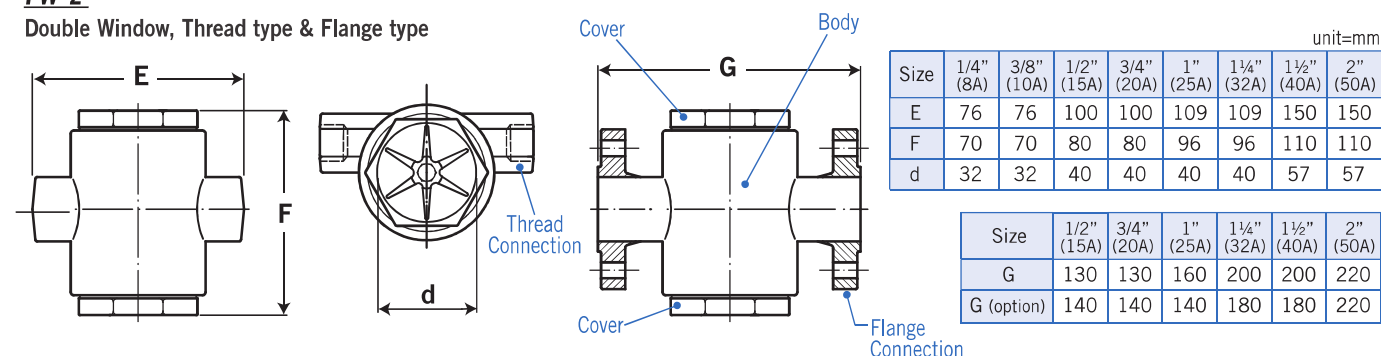
**FW-3**  
(Flange, Double Window)



**FW-4**  
(Double Window with High Pressure)

### FW-2

#### Double Window, Thread type & Flange type

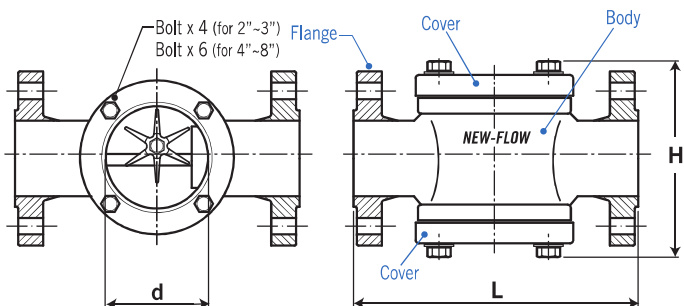


| Body Material Code |               | S           | S4         | SL           | DS                    | WB         |
|--------------------|---------------|-------------|------------|--------------|-----------------------|------------|
| Material           | Body / Flange | SS316(CF8M) | SS304(CF8) | SS316L(CF3M) | Duplex S.S UNS J92205 | WCB / A105 |
|                    | Cover         | SS316(CF8M) | SS304(CF8) | SS316(CF8M)  | SS316(CF8M)           | WCB        |

## Dimension-mm

### FW-3 Double Window, Flange type for big size

| Body Material Code |               | S            | S4          | SL            | DS                    | WB       |
|--------------------|---------------|--------------|-------------|---------------|-----------------------|----------|
| Material           | Body / Flange | SS316 (CF8M) | SS304 (CF8) | SS316L (CF3M) | Duplex S.S UNS J92205 | WCB/A105 |
|                    | Cover         | SS316 (CF8M) | SS304 (CF8) | SS316 (CF8M)  | SS316 (CF8M)          | WCB      |

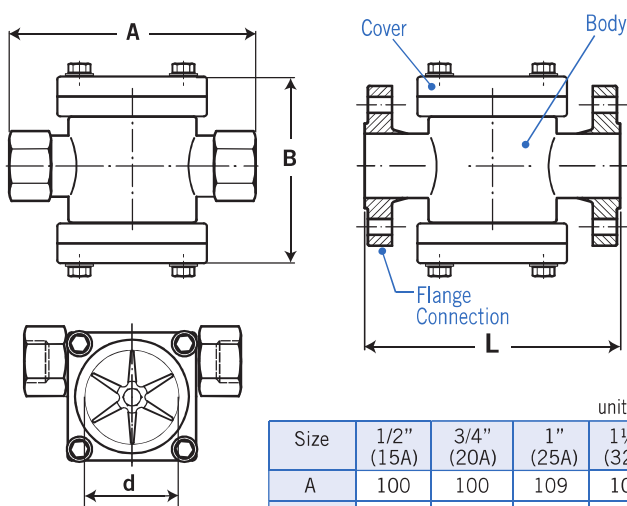


unit=mm

| Size       | 2" (50A) | 2½" (65A) | 3" (80A) | 4" (100A) | 5" (125A) | 6" (150A) | 8" (200A) |
|------------|----------|-----------|----------|-----------|-----------|-----------|-----------|
| d          | 65       | 84        | 84       | 109       | 148       | 170       | 222       |
| H          | 146      | 164       | 183      | 212       | 247       | 276       | 345       |
| L          | 220      | 270       | 270      | 320       | 380       | 420       | 500       |
| L (option) | 220      | 260       | 260      | 310       | ---       | ---       | ---       |
| L (300LB)  | ---      | ---       | ---      | ---       | ---       | ---       | ---       |

### FW-4 Double Window, with High Pressure

| Body Material Code |               | S            | S4          | SL            | DS                    | WB       |
|--------------------|---------------|--------------|-------------|---------------|-----------------------|----------|
| Material           | Body / Flange | SS316 (CF8M) | SS304 (CF8) | SS316L (CF3M) | Duplex S.S UNS J92205 | WCB/A105 |
|                    | Cover         | SS316 (CF8M) | SS304 (CF8) | SS316 (CF8M)  | SS316 (CF8M)          | WCB      |



unit=mm

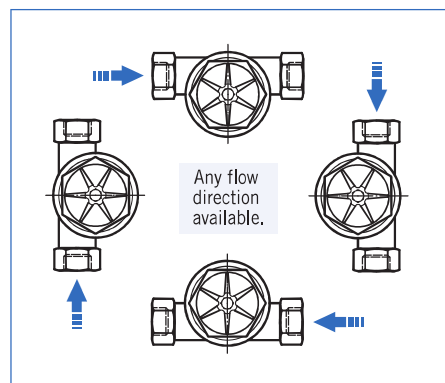
| Size       | 1/2" (15A) | 3/4" (20A) | 1" (25A) | 1¼" (32A) |
|------------|------------|------------|----------|-----------|
| A          | 100        | 100        | 109      | 109       |
| B          | 100        | 100        | 110      | 110       |
| d          | 43         | 43         | 43       | 43        |
| L          | 130        | 130        | 160      | 200       |
| L (option) | 140        | 140        | 140      | 180       |

## Optional for Impeller

|                                                                                                                                      |                                                                                                                                                             |                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>ABS<br/>Color: White<br/>Temp. Limit: 70°C</p> |  <p>PPS+40% Glass Fiber<br/>Color: Dark Brown<br/>Temp. Limit: 200°C</p> |  <p>PVDF<br/>Color: Red or White<br/>Temp. Limit: 100°C</p> |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|

**NOTE.** The temperature limit above-mentioned is only for the reference to the rotors. Please also considering the max. temperature of body in the operating.

## Flow Direction



## Ordering Information

[illegible]