SST Stainless Steel Sight Glasses

NPS ½" – 6" · ANSI 150 lb flanged (SST-FD) or butt-weld (SST-BW) · CF-8M and CF-3M

swissfluid USA

An unlined stainless steel flow indicator for virtually all process media, liquid or gaseous. A cast CF-8M body for the flanged SST-FD or a welded CF-3M body for the butt-weld SST-BW, with borosilicate window plates to DIN 7080 seated on a PTFE-T primary and C-4400 secondary gasket, a standard drip ledge and a large observation opening.

Design

Sizes	½" – 6" (DN 15 – 150). Other materials or dimensions, e.g. ANSI lengths, on request.
Body	SST-FD flanged: stainless steel casting 1.4408 (CF-8M), one-piece in ½" – 2". SST-BW butt-weld: welded 1.4404 (CF-3M); welded bodies have a CF-3M middle part with SS316L (1.4404 or 1.4435) flanges.
Cover flanges	Stainless steel casting 1.4408 (CF-8M).
Glass plates	Borosilicate 8488 to DIN 7080 standard; PN40 (300 lb) special glass, metal-reinforced glass and quartz glass to order. FEP glass protection sheet to order.
Gaskets and bolting	PTFE-T (modified) primary gasket and C-4400 asbestos-free secondary gasket; SS304 bolting (A2-70 hex head screws).
Connections	Flanges to ANSI 150 lb; DIN PN16 / PN40 optional, ANSI 300 lb and JIS 10K in the product code; flanges with groove form N to DIN 2512 to order. Butt-welding ends to DIN 2448 / EN 12627. Face-to-face FD to DIN EN 558-1 Range 1, BW to DIN EN 12982. Horizontal or vertical installation.
Pressure	0.01 psia to 232 psi.
Temperature	−40 °F to +450 °F.
Compliance	Conformity with the European Pressure Equipment Directive (PED); pressure and tightness testing to EN 12266-1 leakage rate A / API 598; marking on body and name plate to EN 19; material and test certificates to EN 10204 3.1 / 2.2 / 2.1.

Source: Swissfluid USA PM 32 us 2018-9.

Main features

- Heavy-duty, proven construction, maintenance-free
- Horizontal or vertical installation, flanges to ANSI 150 lb (DIN PN16/40 optional)
- Flanged SST-FD or butt-weld SST-BW body
- Standard drip ledge indicates even minute flows
- Large observation opening
- Double gasket: PTFE-T primary, C-4400 secondary
- Borosilicate window plates to DIN 7080

Ordering code

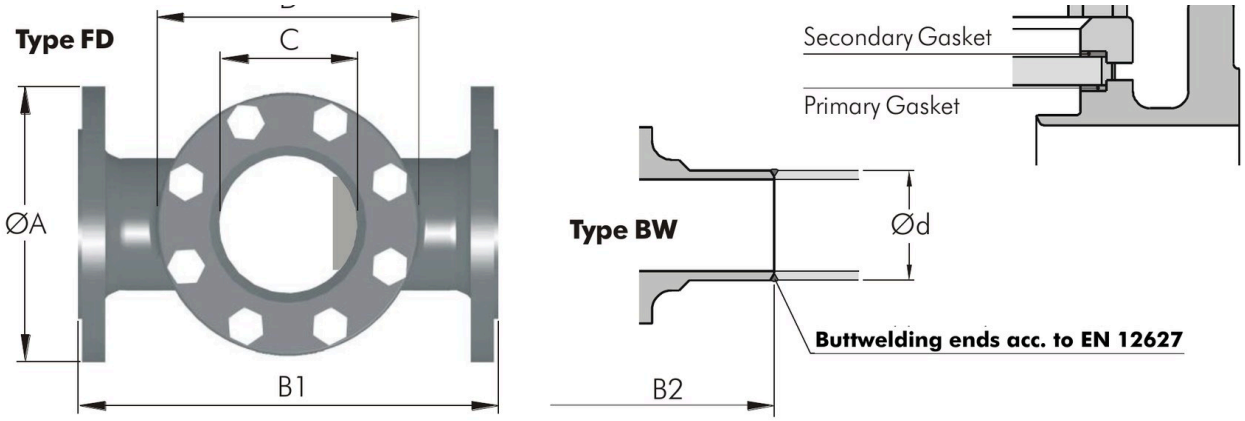
Build a code from left to right; a standard unit is **SST · 2" · ANSI150# · FD · G15 · Gb**. Some selections require or exclude others; we check every code before it goes to the factory.

Nom. size	**½"–6"** NPS ½" – 6" · **DN15–150** DN 15 – 150
Flange conn.	**ANSI150#** ANSI 150 lb · **ANSI300#** ANSI 300 lb · **PN16** PN16 · **PN40** PN40 · **JIS 10K** JIS 10K
Type	**FD** flanged · **BW** butt-weld
Body	**G15** CF-8M · **G14** CF-3M
Glass plate	**Gb** glass plate PN16 · **Gb40** glass plate PN40 · **Gr** reinforced glass · **Gq** quartz glass
Options	**Gf** FEP protection sheet · **Op** visual flow indicator

Data and codes: Swissfluid USA PM 32 us 2018-9.

SST Stainless Steel Sight Glasses

Dimensions, Options, Construction and service



Dimensions, inches · type FD flanged and type BW butt-weld

Size	B1 flanged	B2 butt-weld	Ø C	Ø d	Glass Ø × thickness	lbs flanged	lbs butt-weld
½"	5.12	5.12	1.30	0.84×0.08	1.77×0.39	5.72	3.30
¾"	5.91	5.91	1.30	1.06×0.09	1.77×0.39	7.48	3.96
1"	6.30	6.30	1.89	1.33×0.10	2.48×0.39	10.34	5.72
1¼"	7.09	7.09	1.89	1.67×0.10	2.48×0.39	15.18	6.82
1½"	7.87	7.87	2.56	1.90×0.10	3.15×0.47	16.28	8.58
2"	9.06	9.06	3.15	2.37×0.11	3.94×0.59	21.34	11.22
2½"	11.42	11.42	3.15	3.00×0.11	3.94×0.47	38.50	22.00
3"	12.20	12.20	3.94	3.5×0.13	4.92×0.79	55.00	34.10
4"	13.78	13.78	4.92	4.5×0.14	5.90×0.98	83.60	55.00
6"	18.90	18.90	7.87	6.63×0.18	8.86×1.18	121.00	86.90

B1 per EN 558-1 range 1, B2 per EN 12982 (DIN lengths); ANSI lengths on request. Source: Swissfluid USA PM 32 us 2018-9.

Note. Welded bodies have a CF-3M middle part and SS316L flanges; in ½" – 2" the flanged body is a one-piece CF-8M casting and the butt-weld body CF-3M.

Options

- **Glass plates** Metal-reinforced (Gr), quartz (Gq) or PN40 / 300 lb special glass (Gb40) in place of the standard DIN 7080 borosilicate
- **FEP glass protection sheet** Code Gf
- **Visual flow indicator for gases** PTFE ribbon. Code Op
- **Grooved flanges** Groove form N to DIN 2512
- **Flange connections** ANSI 300 lb, PN16, PN40, JIS 10K
- **Butt-weld ends** SST-BW, CF-3M body, ends to DIN 2448 / EN 12627. Code BW

Construction. CF-8M cast body (FD) or welded CF-3M / SS316L body (BW), two CF-8M cover flanges, two borosilicate 8488 glass plates to DIN 7080, two PTFE-T primary and two C-4400 secondary gaskets, sixteen A2-70 stainless hex head screws, A2 stainless name plate and hammer screws.

Typical service. Reliable flow indication for virtually all process media, liquid or gaseous.

SST Stainless Steel Sight Glasses

Ordering from LinedPipe.Com

Size, series, lining, class and quantity are enough to start. For a quotation send the service conditions (media, concentration, temperature, pressure, flow), the end connections and the actuation you need; we will confirm the ordering code, the installation dimensions and a delivery time.

Request a quote

(251) 625-4949 · info@linedpipe.com · linedpipe.com/contact/
(the online quote form takes valves line by line and attachments).

What to tell us

- Series and size, full or reduced port, Class 150 or 300
- Lining and ball or disc material, seat and elastomer where they apply
- Body material: WCB carbon steel or CF8M stainless
- Topworks: bare stem, lever, gearbox, pneumatic or electric actuator, fail position, accessories
- Options: conductive lining, grounding strap, chlorine clean, customer tag, special bolting
- Certificates: EN 10204 3.1 material certificates and test reports on request

Dimensions

Face-to-face lengths in this catalog are stated against ASME B16.10 or EN 558-1 as noted; sizes marked * are not ASME B16.10 lengths (the note under each table says what they are). Confirm the installation length on the order acknowledgement before cutting pipe.

LinedPipe.Com
A DIVISION OF MARSPEC

IN PARTNERSHIP WITH

swissfluid USA

LinedPipe.Com
Marspec Technical Products, Inc.
24042 US Highway 98, Fairhope, AL 36532
(251) 625-4949
info@linedpipe.com · linedpipe.com

Swissfluid USA, Inc.
10303 Greenland Court
Stafford, TX 77477
swissfluid.com

Version 1.11 · Released 10-30-2026. Product data from Swissfluid literature as cited under each table; subject to change without notice. **Confirm critical dimensions with the order acknowledgement.**