

DN 15–150/NPS ½”–6”

SSP-T Sight Glasses are ideally suited as reliable flow indicators for virtually all existing process media in either liquid or even gaseous state.



Main Features

- Full 360° visibility
- No dead space along the entire installation length
- Vertical or horizontal installation
- Metallic collar for safe installation
- PMMA protective tube offers additional safety
- Easy cleaning and maintenance
- FDA-conform (all versions)
- Grounding connection as standard

Operation Conditions

- Temperature ranges from –10 °C up +160 °C (+14 °F up +320 °F) for standard version
- Temperature ranges from –40 °C up +200 °C (–40 °F up +392 °F) depending on material selection
- Pressure ranges from 1 mbar up 16 bar (0.01 psi up 232 psi)

Testing/Marking

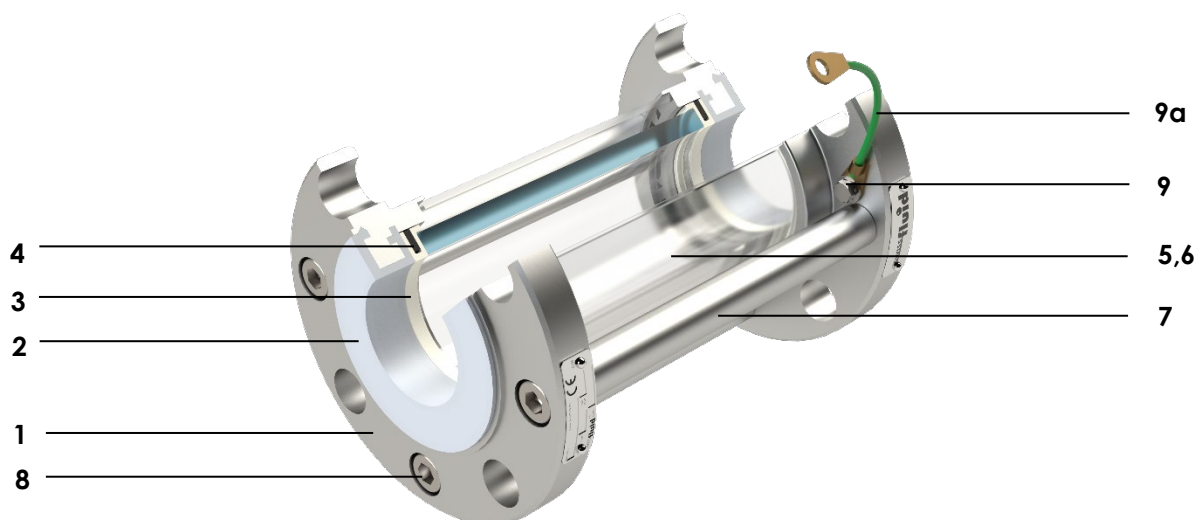
- Pressure and tightness testing according EN 12266-1, leakage rate A, marking of valves on body acc. to EN 19
- Material- resp. test certificates in acc. to EN 10204-3.1/2.2/2.1
- FDA-conform (all versions)

Dimensions in mm (lbs=kg x 2.2), pressure in bar (psi=bar/0.0689)

DN/NPS	B		B		PS
Size	DIN		ANSI		max.
15/½"	130	2.04	130	1.81	16
20/¾"	150	2.77	150	2.42	16
25/1"	160	3.3	152	2.88	16
32	180	4.94			16
40/1½"	200	5.75	178	4.27	16
50/2"	230	7.65	203	6.23	16
65	290	10.36			16
80/3"	310	12.37	241	11.2	13
100/4"	350	16.17	292	16.33	11
150/6"	480	39.4	356	33.87	7

B: FTF acc. to DIN EN 558-1 range 1 resp. ASME B16.10
Other materials and sizes upon request

Technical Data



Standard Materials of Components

1 Body flanges	Stainless steel SS316L
2 Lining	PFA (opt. PFA-AS conductive), or unlined
3 Sealing ring	PTFE
4 Insert	FPM
5 Cylindric glass	Borosilicate 3.3
6 Protection tube	PMMA-XT (Acrylgas)
7 Thread bolts	Stainless steel SS316L
8 Bolting material	A4
9 Grounding connection	9a Grounding cable optional

SSP-T Tubular Sight Glasses

PM 35 en / 2025-04

Specification

Project-/Customer Data

Inquiry/Date:		Ref. SF	
Project:		Contact Person:	
Company:		Function:	
Address:		Department:	
ZIP/Place:		Phone direct:	
		Phone:	
		E-Mail:	
		Mobile:	

Operation Conditions

Media/Chemical Composition:

☐ Liquid	☐ Powdery	☐ Crystallizing	☐ Sticky	☐ Spec. Grav. ____
☐ Gaseous	☐ Solids ____ %	☐ Viscous	☐ Flow velocity ____ m/s	
☐ Abrasive	☐ Particle ____ mm	☐ Visc. ____ cp	☐ Flow rate ____ m ³ /hr	

Pressure

max. ____ bar

min. ____ bar

Temperature.

max. ____ °C

min. ____ °C

Mode

☐ On/Off

☐ Flow control

____ Cycles/ ____

Installation/Environment

☐ Horizontal

☐ Vertical

☐ ____

☐ Room dry

☐ Room humid

☐ Outdoor

Remarks:

SSP-T Product Code

Specification of a complete Tubular Sight Glass SSP-T Series

Product Code	Nom. size	Flange conn.	Flange	Lining body	Sealing ring	Elastomer	Glass cylinder	Safety shield	Screw-material			
SSP-T												
	DN 15-150 NPS ½"-6"	PN 16 PN 40 Class 150	G14 Ti. Gr.2 Ti. Gr.7 Hast. C-276 Hast. C-22	A85 A86 A88 A91 unlined	B80 B82	PTFE PTFE-AS	E67 E68	FPM VMQ	Z57 Borosilicate	S58 S57	PMMA Borosilicate	A4 B7