

SINCE 1922,
PRECISION MADE GREAT

TASSALINI 

DATA SHEET

SIGHT GLASS



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Application

Sight glasses are designed to allow inspection of fluids going through processing lines.

The product flows through a sight glass fitted along the processing line or can be viewed from above through a radial sight glass mounted above the processing line.

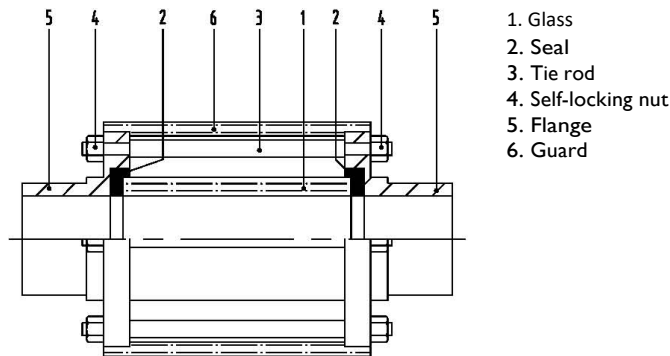
Features

Sight glasses are of high strength construction and are suitable for vacuum applications.

The tubes for line sight glasses are in borosilicate glass and on request can be fitted with a plexiglass external guard or with a metal screen. The discs for radial sight glasses are in soda-lime tempered glass and on request can be in borosilicate glass.

Line sight glasses are equipped with special tie rods and seals to prevent load pressures and vibrations on the glass.

Line Sight Glass



Glass dimensions and maximum operating pressure:

Ø	O.D.	THICKNESS	LENGTH	BAR
25	30 mm	4.0 mm	90 mm	20
28/29	32 mm	2.8 mm	90 mm	12
34/35	40 mm	3.2 mm	90 mm	11
38/40/41	45 mm	5.0 mm	90 mm	16
51/52/53	60 mm	5.0 mm	90 mm	11
63	70 mm	5.0 mm	90 mm	9
70	75 mm	5.0 mm	90 mm	9
76	80 mm	5.0 mm	90 mm	8
85	90 mm	5.0 mm	90 mm	7
101/104	115 mm	7.0 mm	90 mm	8
129	140 mm	7.0 mm	90 mm	6
154	165 mm	7.0 mm	90 mm	5

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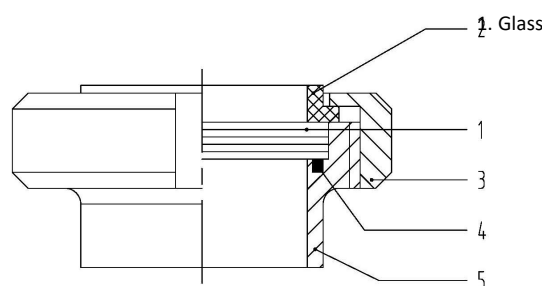


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Seals

∅	O.D.
25	34 mm
28	36 mm
34	44 mm
38/40	49 mm
51/52	64 mm
63	74 mm
70	79 mm
76	84 mm
85	94 mm
101/104	120 mm
129	144 mm
154	166 mm

Radial Sight Glass



- 2. PTFESeal
- 3. Nut
- 4. Seal
- 5. Liner

Glass dimensions and maximum operating pressure:

∅	O.D.	THICKNESS	BAR
25	32 mm	6.0 mm	29.0
28	45 mm	6.0 mm	13.0
34	52 mm	6.0 mm	10.0
38	52 mm	6.0 mm	10.0
40	55 mm	6.0 mm	9.0
51	62 mm	8.0 mm	12.0
52	68 mm	8.0 mm	10.0
63	77 mm	8.0 mm	8.0
70	85 mm	8.0 mm	6.0
76	90 mm	8.0 mm	5.0
85	100 mm	8.0 mm	4.0
101	115 mm	10.0 mm	5.0
104	117 mm	10.0 mm	5.0
129	150 mm	12.0 mm	4.0
154	175 mm	12.0 mm	3.0

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Technical Data

Maximum operating temperature: 230°C (450°F) for line sight glasses, 130°C (270°F) for radial sight glasses.

Finish: 150 grit (max R_a 0.79-0.89 μm , 30-35 $\mu\text{''}$).

Production range: DN 25 to DN 150, 1" to 6".

Line sight glass connections: welding ends, male ends, ferrule ends.

Radial sight glass connections: welding end, expanding end

Standards: DIN, SMS, RJT BS, IDF ISS, Clamp.

Steel grades: Aisi 304L, Aisi 316L.

Seals:

VMQ	(-50°C +200°C/-60°F +390°F)
NBR	(-10°C +100°C/+15°F +210°F)
EPDM	(-30°C +140°C/-20°F+280°F)
FPM/FKM	(-15°C +220°C/+5°F +430°F)
PTFE	(-10°C +150°C/+15°F+300°F)