

Data Sheet

F11P – Flanged Circular Sight Glass

Alchem Process offers a complete range of flanged sight glass assemblies, from low pressure atmospheric units to DIN 28120 PN2.5, PN6, PN 10 and 16 bar high pressure arrangements.

We offer a range of sizes from the DN50 to DN200 in different pressure ratings which makes this product attractive for an array of industrial applications in the petro-chemical & fine chemical industries, process & industrial pipelines, pressure vessels, tanks, mixers and silos.

The base flange is welded into the vessel while the 304SS cover flange sandwiches the view glass panel safely between the "Wet" hygienic process seal and the "Dry" upper seal (Klingersil).

Used widely in the food, dairy, beverage, cosmetic and pharmaceutical industries, these units can be enhanced by the addition of optional wiper assemblies and also low voltage 24v/IP 65 sight & light assemblies.

Sight and light glass arrangements can be combined in one integral "Sight / Light Glass" assembly or used in tandem; one with the light and the separate unit to view.



General:

Size range from DN50 to DN200

View glass diameter from Ø80 to 225mm

Working temperatures up to 150°C with toughened soda lime glass, while 280°C is possible with toughened borosilicate glass (DIN 8902).

Operating pressures from atmospheric to 16bar, with higher pressures available on request.

The sight glass is suitable for vacuum use.
(Please check at enquiry stage).

Options:

Soda lime and borosilicate glass view ports to DIN 8902

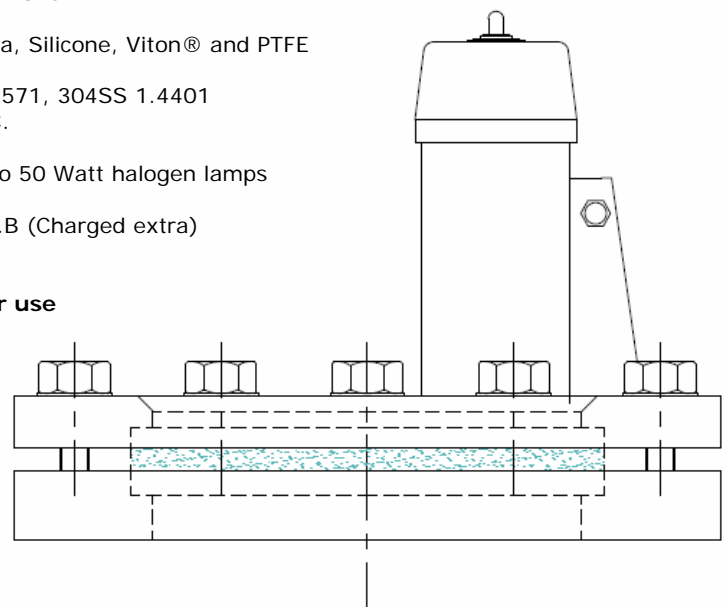
Range of food grade seal materials including Buna, Silicone, Viton® and PTFE

Wetted parts available in 316L 1.4404, 316Ti 1.4571, 304SS 1.4401 and exotic alloys such as Inconel and Hastelloy C.

IP65 rated low voltage 24v / 12V lights with 20 to 50 Watt halogen lamps

Material test certificates to EN 10204 3.1.A / 3.1.B (Charged extra)

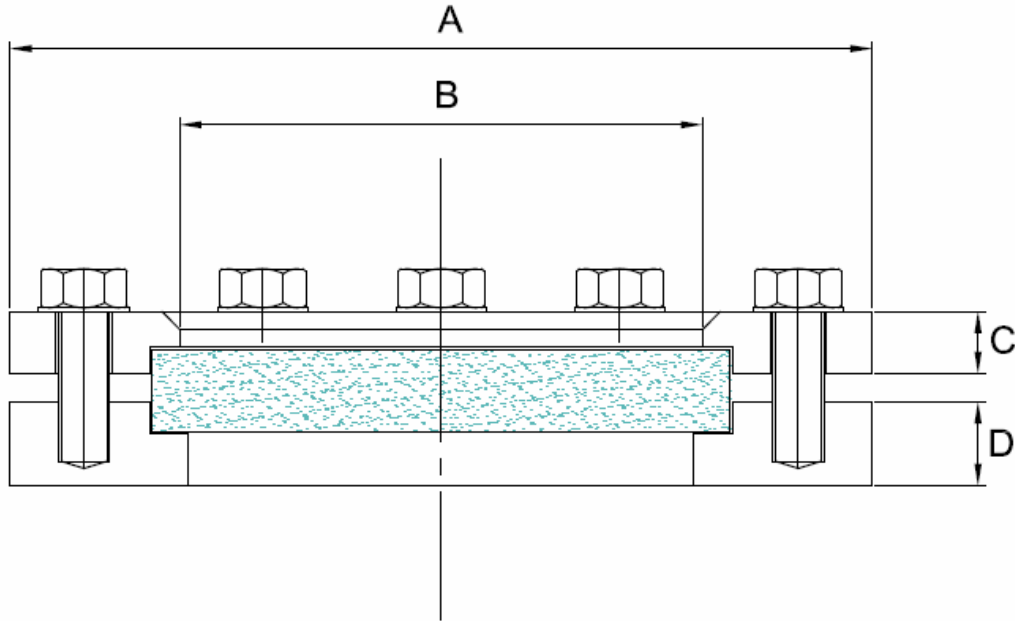
Low voltage assemblies are only suitable for use in non explosive hazardous areas.



Viton® is a registered trade name of DuPont.

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F11P – Flanged Sight Glass Assembly – 2.5 Bar



Size:	Working Pressure (Bar)	A	B	C	D	Glass Thickness	PCD	Bolts	Torque Nm
50	2.5	150	80	16	24	10	125	4 x M12	28
80	2.5	175	100	16	24	15	150	4 x M12	20
100	2.5	200	125	16	24	15	175	4 x M12	26
125	2.5	225	150	14	24	15	200	8 x M12	32
150	2.5	250	175	14	24	20	225	8 x M12	47
200	2.5	300	225	12	24	20	275	8 x M12	63

Options:

DIN 28120 PN 6, PN10 and PN 16 also available

