

## Data Sheet

# F11R – Rectangular Section Sight Glass Assembly

Rectangular, D-Ended & Obround view glasses are available for use as level indicators or to observe liquid levels in pipework, columns, tanks, vessels, silos and reactors.

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

**We strongly recommend that the design pressure code calculations are checked prior to installation, to ensure that there is sufficient strength in the adjoining vessel wall material!**

The bodies or frames are offered in a range of different materials including 304 and 316/316Ti stainless steel, carbon steel and other exotic materials.

Replacement glasses are available to DIN 7081 and DIN 8903 and are offered along with additional fasteners and gaskets.

Standard lengths viewing lengths are available from 250mm to 1000mm in 70mm wide bodies with an 18mm wide viewing strip.

Borosilicate and Soda Lime Glasses are available to suit the product media, pressure and temperature constraints.

LED strip lighting is now offered to illuminate liquid levels.

The view glasses are available in pressure ranges from atmospheric to 16 Bar working pressure.



### General:

Size range from 250mm to 1000mm

View glass strip width 18mm

Working temperatures up to 100°C with toughened soda lime glass, while 243°C is possible with toughened borosilicate glass (DIN 8903 & DIN 7081 respectively).

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 8903 and DIN 7081

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.

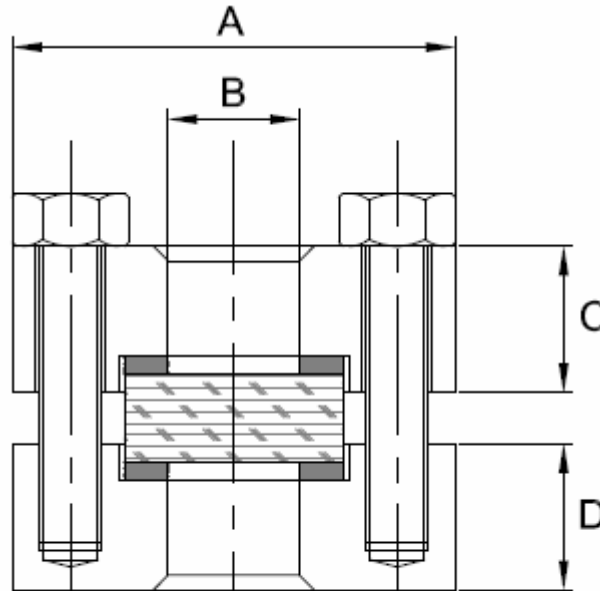
LED strip lights available to illuminate the product

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

Viton® is a registered trade name of DuPont.

**Data Sheet**

**F11R – Rectangular Sight Glass Assembly**



Size:	Frame Length OL	No of Frame Units	Viewing Strip Length	Glass Length	No of Bolts	Weight Kg
25	250	1	1 x 204	220	10	5.0
30	300	1	1 x 264	280	14	5.5
35	350	1	1 x 304	320	16	6.0
40	400	1	1 x 354	370	18	7.0
50	500	2	2 x 204	2 x 220	20	9.5
60	600	2	2 x 264	2 x 280	28	11.0
70	700	2	2 x 304	2 x 320	32	12.0
80	800	2	2 x 354	2 x 370	36	14.0
100	1000	4	4 x 204	4 x 220	40	18.0

