

Teclumos Sight Glass Disc, Circular DIN 7080



•Application:

These sight glass discs are designed for mounting into the standard screwed sight glasses similar to DIN 11851 or same and for use in circular sight glasses to DIN 28120 / 218121 or similar.

•Safety safeguards:

1. According to Din 7080, it is essential to replace the sight glass disk and gaskets by new ones, whenever a sight glass assembly has been taken apart.

The following extract from DIN 7080 text is vital:

'Sight glass discs may only be installed by personnel who have been informed fully about the following requirements:

- care in handling sight glass discs
- cleaning of recesses, sight glass discs, gaskets and other parts i. e. removal of foreign bodies (e. g. swarf), prior to installation/reassembly
- even tightening of retaining bolts

Sight glass discs that have been removed after operating use must not be reused.'

2. Preservation

Sight glass discs should be included in routine maintenance and periodically checked visually or using ultrasound wall thickness measuring means. In the event of damage, a glass disc must be promptly exchanged, with the plant first having been brought to a standstill.

Caution: Completely demineralized water may dissolve glass.

Dimensions diameter x thickness (mm)	Max Visible Diameter (mm)	Nominal Pressure (bar)
63 x 10	48	16
80 x 12	65	16
94 x 11	80	6
100 x 15	80	16
113 x 15	100	6
125 x 15	100	10
125 x 20	100	16
141 x 15	125	6
150 x 20	125	10
150 x 25	125	16
166 x 15	150	6
175 x 20	150	10
175 x 25	150	16
200 x 20	175	8
200 x 25	175	10
200 x 30	175	16
Other dimensions on request		

- Toughened borosilicate glass
- The seal and viewing areas are polished.
- The edges are ground smooth.
- It can function at temperatures up to 280°C, and in explosion-proof format, It can resist up to 350°C (No lower temperature limit).

3. Fracture of a sight glass

Despite careful installation and recommended use, sight glass discs can, on rare occasions, suffer breakage through external influences. To prevent the entry of glass particles into products of a critical nature, e. g. foodstuffs, appropriate safety precautions should be taken by the plant manufacturer or user.

Teclumos Co.