



# Glass

Available materials  
Purchasable as individual parts

Info  
Glass

## Glass Materials

### Borosilicate glass

DIN 7080 / DIN 7081 and similar  
Borosilicate glass can withstand temperatures up to 243 °C (DIN 7081) respectively 280 °C (DIN 7080).  
Our borosilicate glass disks are tempered and capable of holding up to 1000 bar pressure, depending on geometry.



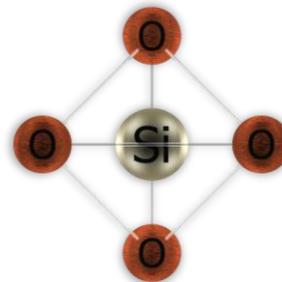
### Soda Lime Glass

DIN 8902 / DIN 8903 and similar  
Soda Lime Glass is far less pressure and temperature resistant than Borosilicate glass (max. 150 °C).



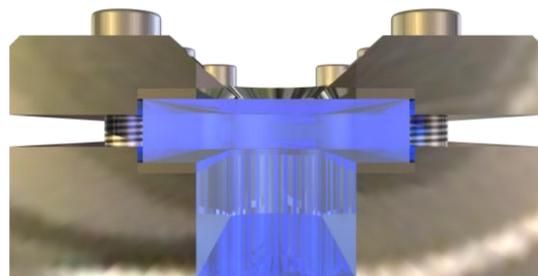
### Quartz Glass

High Temperature Service  
Our Quartz Glass disks can be used under extreme conditions where even borosilicate glass cannot be used. The maximum operating temperature for quartz glass is as high as 1000 °C.



### PMMA/Acrylic/Plexiglass

Protrusion glass  
If only relatively low temperature (30 °C – 70 °C) is expected, but dead space shall be avoided, we recommend polymer protrusion windows. The PMMA block is cut into shape to fit the sight glass base flange with very low tolerances. This eliminates otherwise unavoidable dead space in piping and vessels almost completely.



Technical changes and errors reserved!



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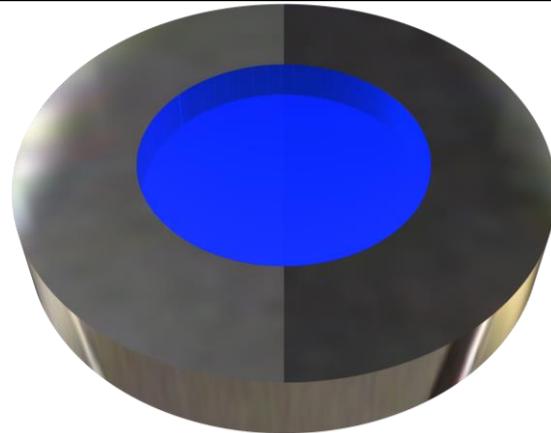
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### META®-Glass

#### Metal fused glass disks

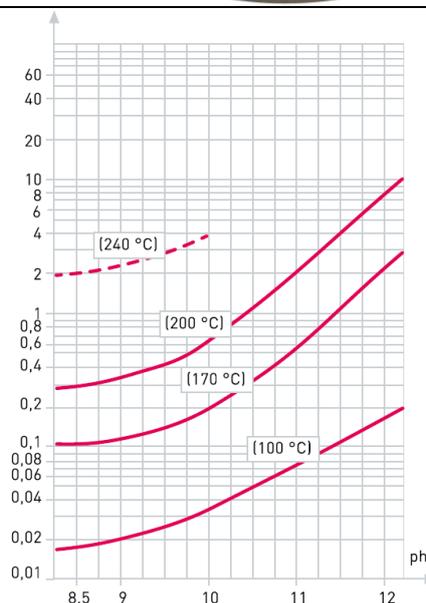
For additional mechanical resilience and improved resistance against surface damage we offer metal fused sight glass disks. META®-Glass disks can be utilised in the same way as DIN 7080 glass disks.



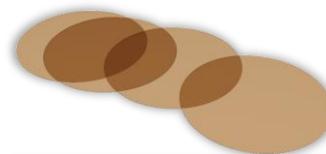
### Mica disks

#### Protection against corrosion and heat

To minimize the influence of corrosive media or high temperatures on the glass disk, all glass with a smooth surface can be equipped with a mica disk. This almost completely eliminates glass surface erosion.



Surface erosion mm/month without mica disk



### Glass tubes

#### 360° visibility

You can find borosilicate tubes preinstalled in our sight glass type 620. They allow installation without dead space or changes in pipe diameter at relatively low pressures.



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