



SS Stainless Steel

3 Type

A With reflector grooves

4 Identification no.

- 2 Seal FPM (Viton[®])
- 3 Seal copper

Metric table

Dimensions in: millimeters - inches

d ₁	d ₂		d ₃	l ₁	l ₂	s	Max. operating pressure (safety factor 5) at -4 °F to 248 °F (-20 °C to 120 °C) in bar
	Pipe thread	Fine thread					
11 <i>0.43</i>	G 3/8	M 16 x 1.5	22 <i>0.87</i>	8 <i>0.31</i>	7.5 <i>0.30</i>	20 <i>0.79</i>	80
14 <i>0.55</i>	G 1/2	M 20 x 1.5	26 <i>1.02</i>	8.5 <i>0.33</i>	7.5 <i>0.30</i>	23 <i>0.91</i>	80
18 <i>0.71</i>	G 3/4	M 26 x 1.5	32 <i>1.26</i>	9 <i>0.35</i>	8 <i>0.31</i>	30 <i>1.18</i>	80
24 <i>0.94</i>	G 1	M 33 x 1.5	40 <i>1.57</i>	11 <i>0.43</i>	8.5 <i>0.33</i>	36 <i>1.42</i>	80
32 <i>1.26</i>	G 1 1/4	M 42 x 1.5	50 <i>1.97</i>	12 <i>0.47</i>	9 <i>0.35</i>	46 <i>1.81</i>	40

Specification

- Body
Stainless steel AISI 316L
- Contrast screen
Grooves melted into sight glass
- Sight glass float-glass
 - Metal-fused
 - Shrink-fit
- Seals
 - Rubber FPM (Viton[®]) (Identification no. 2)
Temperature resistant up to **356 °F** (180 °C) (without pressure load)
 - Copper (Identification no. 3)
Temperature resistant up to **572 °F** (300 °C) (without pressure load)
- Plastic Characteristics → page QVX
- Stainless Steel Characteristics → page QVX
- RoHS compliant

On request

- Seals of NBR or EPDM

Information

Fluid sight glasses GN 7440 are equipped with a sight glass that is metal-fused to the body by a thermal process. As a result the liquid glass adapts precisely to the contour of the body. During cooling, the different coefficients of linear expansion of the two joining partners generate strong mechanical initial stress between the glass and metal.

This initial stress makes the sight glasses 100% leakproof and particularly resistant to dynamic pressures and high temperatures when used with liquid and gaseous media. Moreover, the site glass offers a high level of safety, as potential damage is indicated in advance by small cracks without breakage of the glass. The seal is embedded in a radial recess, and thus cannot be lost or squeezed out during tightening.

The recommended operating pressures are non-binding values and rule out any liability. The user must determine from case to case whether a product is suitable for the intended use. Environmental factors can influence the specified values.

see also...

- Fluid Sight Glasses GN 743 → page QVX
- Fluid Sight Glasses GN 743.2 (Brass) → page QVX

How to order	
1	Diameter d ₁
2	Pipe thread d ₂ (Fine thread d ₂)
3	Type
4	Identification no.

GN 7440-18-G3/4-A-2

3.1
3.2
3.3
3.4
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3.6
3.7
3.8
3.9
3.10