

## Measurement window FUV 40.1/110 G1"

The UV measurement window is designed according to DVGW W294 and ÖNORM M5873 for drinking water treatment installations. It can be used with duty and reference plug in sensors according to the mentioned rule or similar sensors with the same geometry. The long housing shortens the distance between lamp and sensor. This is often necessary if the distance to the lamp is too big or if the transmission of the water is too bad. Tightening is made by a sealing O-ring 33 x 1.5 mm laying in a ring nut. Mounting will be done with a thread 1". The suitable cap nut M 30 x 2 and a pressure sleeve for fixing the sensor type SUV 20 in the window is included in the delivery.

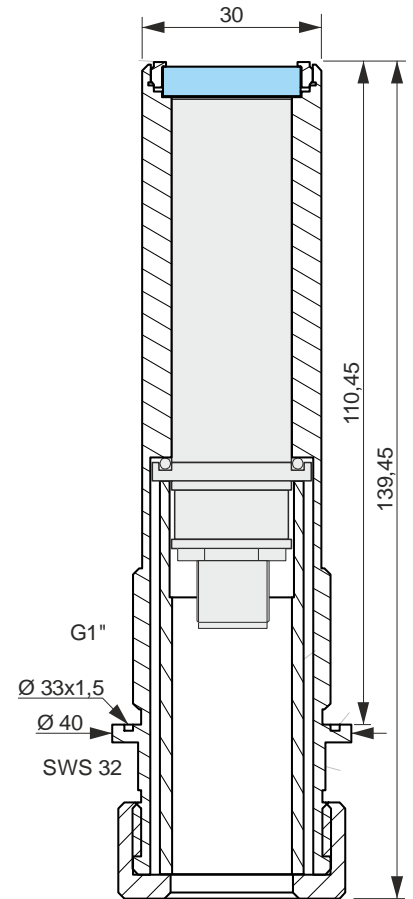
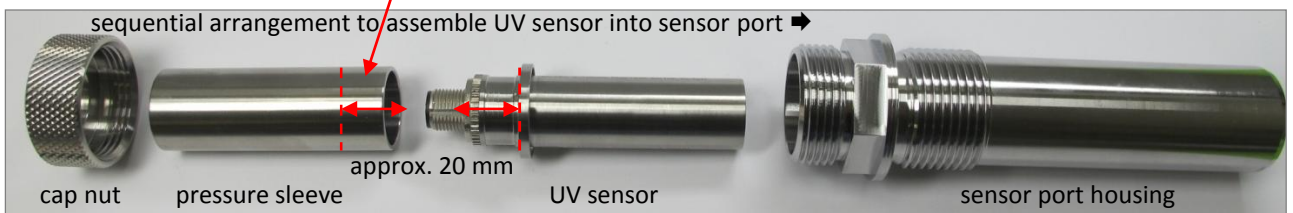
## Main features

- water side tight up to 16 bar overpressure and under pressure safe front window tightening
- operating/water temperature 0 to 40°C, storage temperature -20 to 70°C
- corpus made of stainless steel 1.4404 (standard) or 1.4462
- with screw-in thread 1", jaw size 32
- UV window: synthetic quartz Ø 23 mm, transmission  $\geq 90\%$  above 250 nm
- cleaning with citric acid allowed/recommended wipers are not recommended, because the window is slightly reset
- inner dimensions Ø 20 x 60 mm at the front for standard sensors, an additional inner pressure sleeve positions the sensor exactly when the cap nut is screwed on
- 100% manufacturing test using a Helium mass spectrometer, leakage rate less than  $10^{-8}$  mbar\*l/s

## Assembling of sensors into sensor port



pressure sleeve with 20 mm processed inner surface to assemble UV sensor, diameter Ø 20.5 mm



## Please note

Please check before installation that the inside of the sensor port is free from contamination or moisture. Prevent condensation inside the sensor port, even for the short-term removal of the sensor, e.g. for a test with reference sensor. Use absorbent and lint-free cloths to remove residues. For extreme temperature differences between ambient temperature and water temperature, flushing with dry air or nitrogen may be helpful. Avoid scratches on the inside surface with metallic tools.