

## Sensor port FUV 38

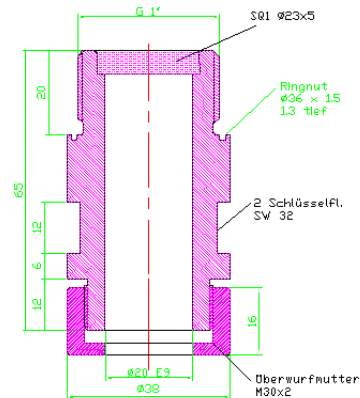
The UV-sensor port FUV 38 is ready for plug in system and/or reference sensors of the type SUV 20 according the DVGW W294 and/or ÖNORM M5873.

### The main features are:

- waterproof up to 16 bar overpressure and for short time 1 bar under pressure
- operating temperature 0 to 60°C, 100°C for brief periods, storage temperature -40 to 70°C
- corpus made of stainless steel 1.4404, with screw-in thread 1" (standard), jaw size 32
- optional a thread M 33 x 2 possible, jaw size 32
- inner dimensions  $\varnothing 20 \times 60$  mm, foreseen for standard sensors, total length 65 mm
- UV window: synthetic quartz SQ 1  $\varnothing 23$  mm, transmission  $\geq 90\%$  above 250 nm
- inclusive cap nut M 30 x 2 for the combination with SUV 20.1



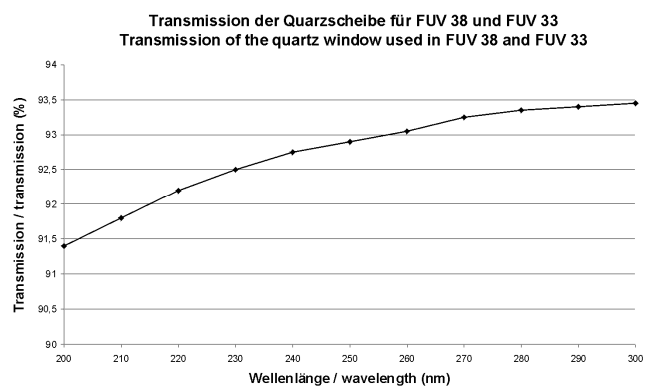
sensor port FUV 38 with cap nut



dimensions of FUV 38



sensor port FUV 38 with SUV 20.1



Transmission of the quartz window for all FUV

## Sensor port FUV 38.6/40

(thread is 20 mm shifted back)

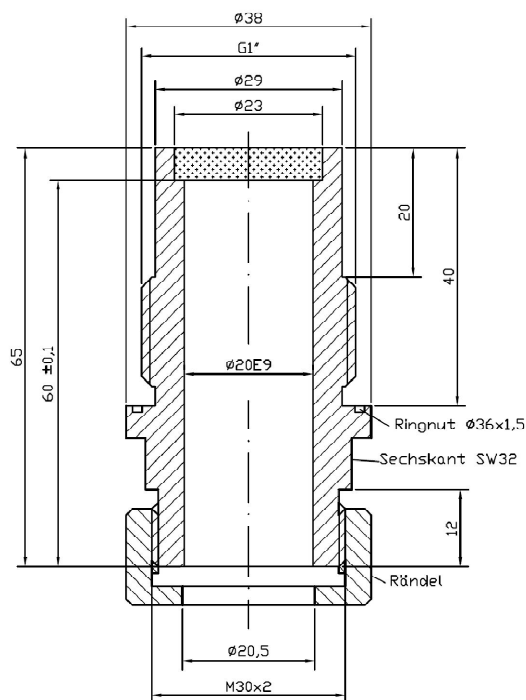
The UV-sensor port FUV 38.6/40 comes with a 20 mm shifted back thread G 1". So is it possible to shorten the distance between lamp and sensor. This is often necessary if the distance to the lamp is too big or if the transmission of the water is too bad. Tightening is made by a sealing O-ring 33 x 1,5 mm laying in a ring nut. Mounting will be done with a thread 1" (optional M 30 x 2). The suitable cap nut M 30 x 2 for fixing the sensor type SUV20 in the window is included in the delivery.



Picture of the sensor port FUV 38.6

### The main features are:

- waterproof up to 16 bar overpressure and for short time 1 bar under pressure
- operating temperature 0 to 60°C, 100°C for brief periods, storage temperature -40 to 70°C
- corpus made of stainless steel 1.4404, with screw-in thread 1" (standard), jaw size 32
- optional a thread M 33 x 2 possible, jaw size 32
- inner dimensions  $\varnothing 20 \times 60$  mm, foreseen for standard sensors, total length 65 mm
- UV window: synthetic quartz SQ 1  $\varnothing 23$  mm, transmission  $\geq 90$  % above 250 nm
- inclusive cap nut M 30 x 2 for the combination with SUV 20.1



## Sensor port FUV 33 TC40 and FUV 33 TC50

### (with TC sterile flange)

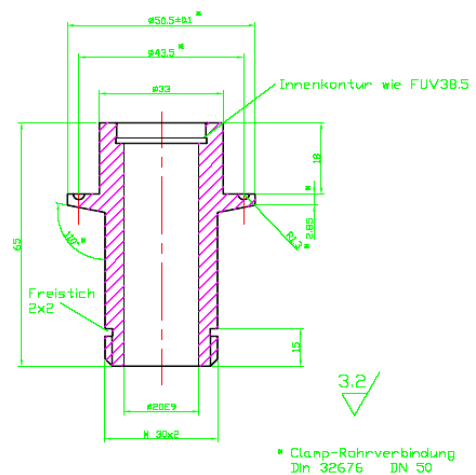
These sensor port are designated primarily for applications in the food and pharmaceutical industry as well as for applications for treating ultra pure water. The measurement windows FUV 33 TC40 and FUV 33 TC50 (TC 40 respectively TC 50 sterile flange according DIN 32 676) are designed for attaching with articulation clamps. The front diameter for installation is 33 mm and the distance from the entrance window to the flange is 18 mm for both types. The suitable cap nut M 30 x 2 for fixing the sensor type SUV20 in the sensor port is included in the delivery.

### The main features are:

- waterproof up to 16 bar overpressure and for short time 1 bar under pressure
- operating temperature 0 to 60°C, 100°C for brief periods, storage temperature -40 to 70°C
- corpus made of stainless steel 1.4404 with TC 40 respectively TC 50 flange according DIN 32 676
- fixing with articulation clamps with an inner profile according ISO 2852
- inner dimensions  $\varnothing 20 \times 60$  mm, designated for standard sensors, total length 65 mm
- UV window: synthetic quartz SQ 1  $\varnothing 23$  mm, transmission  $\geq 90\%$  above 250 nm
- inclusive cap nut M 30 x 2 for the combination with SUV 20 sensor types



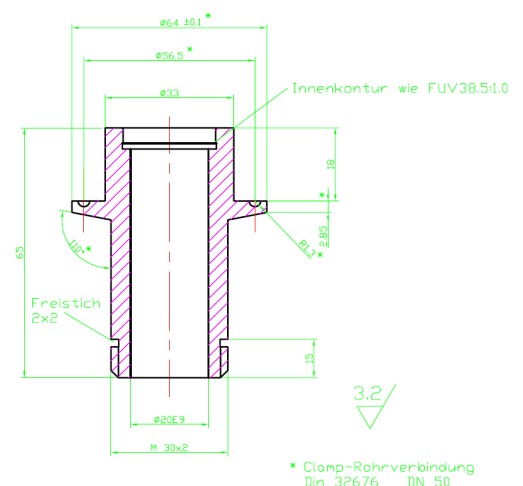
FUV 33 TC40



geometry FUV 33 TC40



FUV 33 TC50



geometry FUV 33 TC50

## Measuring window FUV 38 – TR23

This measuring window was especially developed for the application together with the sensor type SUV19. The shortest possible immersion tube is 100 mm. Immersion tubes with a length from 300 mm should be shored up.

### The main features are:

- waterproof up to 16 bar overpressure and for short time 1 bar under pressure
- operating temperature 0 to 60°C, 100°C for brief periods
- storage temperature –40 to 70°C
- window corpus made of stainless steel 1.4404
- fixing with a thread G1", jaw size 32
- application with sensor type SUV19
- immersion tube made from ozone free quartz, minimum length 100 mm, longer immersion tubes are possible on customer request, length from ca. 300 mm should be shored up
- inclusive cap nut M 30x 2 with M 16 x 1,5



FUV 38 – TR23/100 dismantled



FUV 38 – TR23/100 assembled