

SATRON VOA / VOM

QUICK START GUIDE

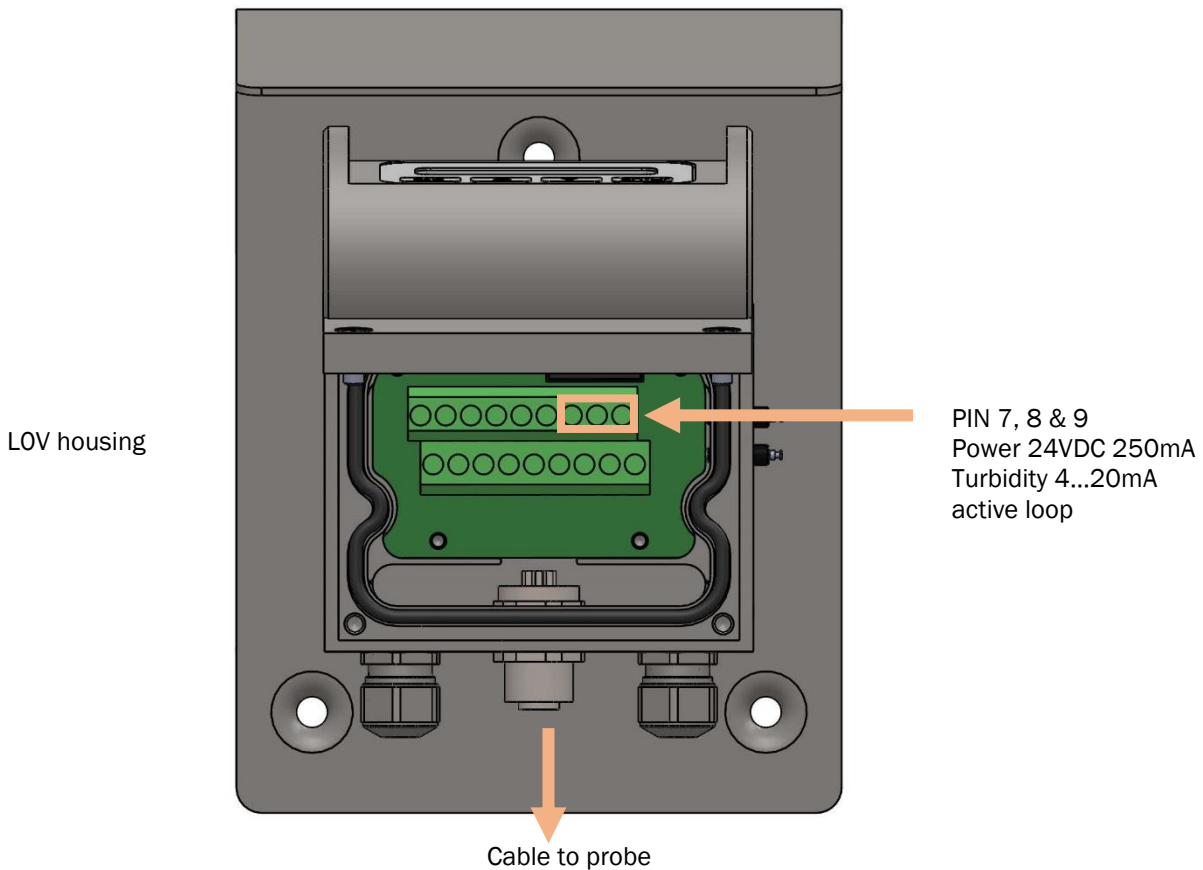
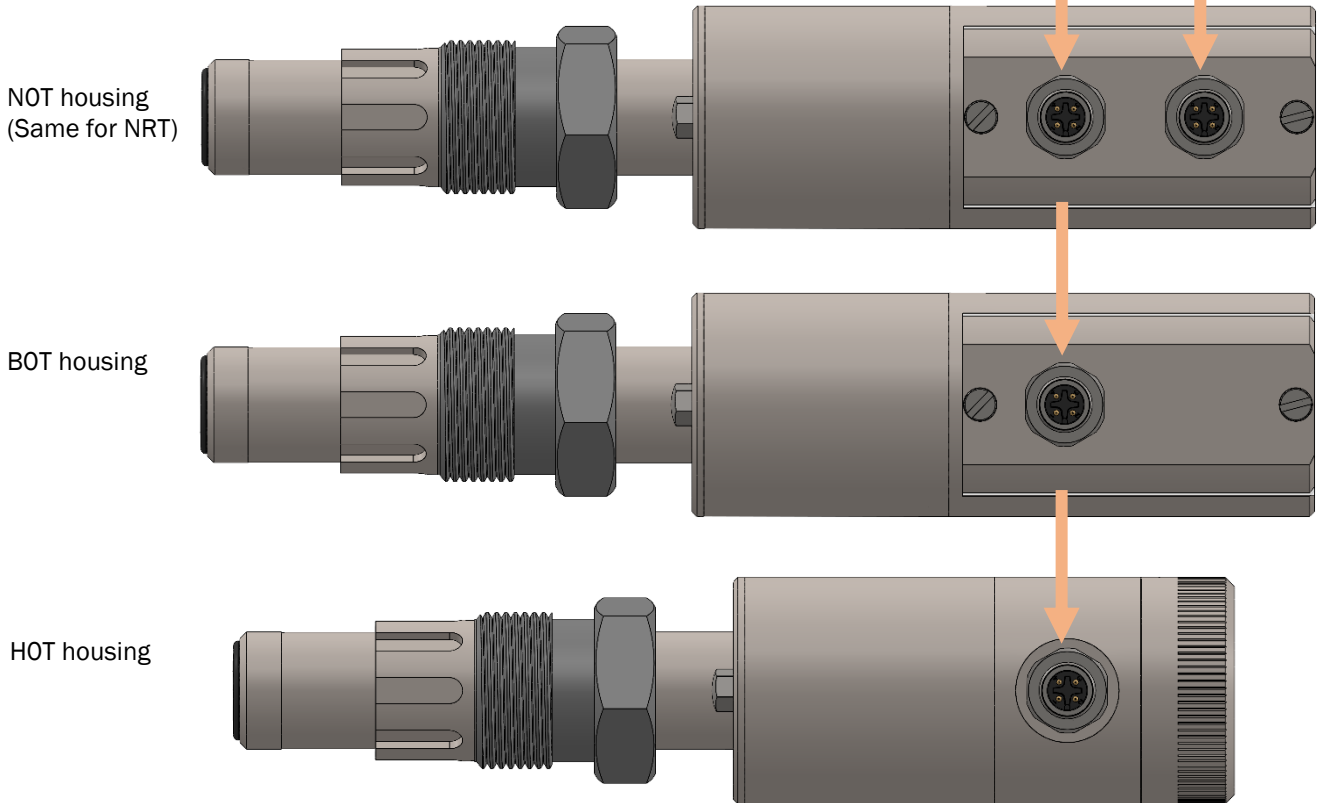


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Electrical connections:

M12 Connector 1
Power 24VDC 250mA
Turbidity 4...20mA
active loop

M12 Connector 2
2nd 4...20mA loop
3x digital input
3x digital output

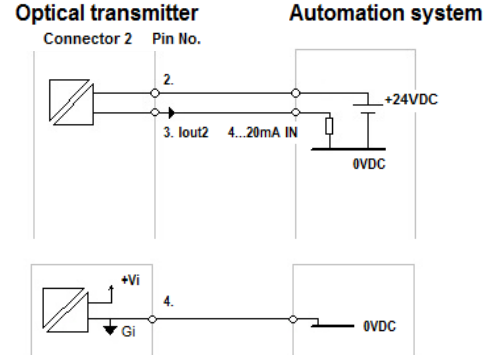
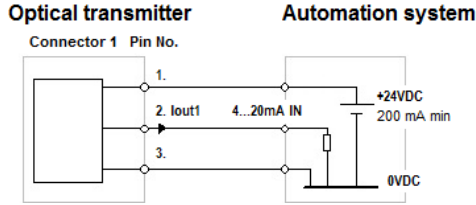
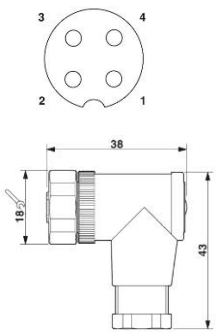


Electrical requirements:

24VDC 200mA

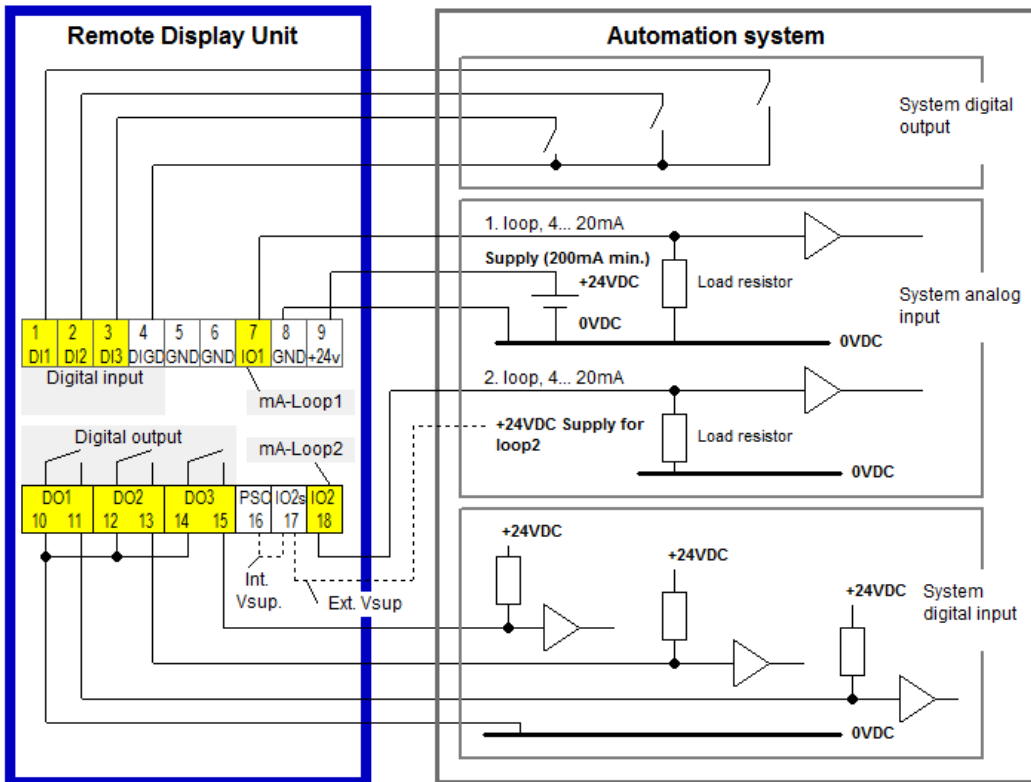
Cross section of wire 0.34mm²

Housing: BOT, HOT, HRT, NOT, NRT:

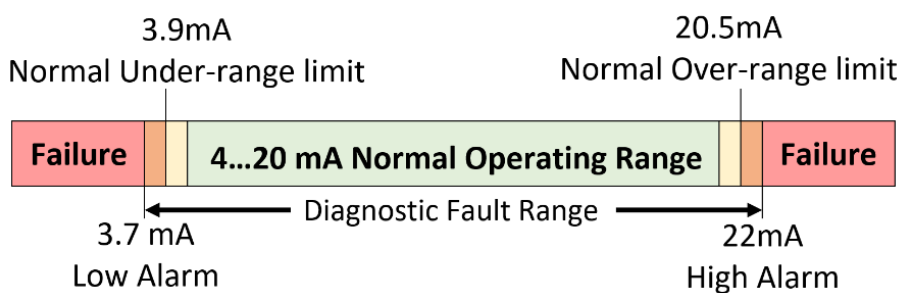


* Factory settings

Housing: LOV:



Analog output signal according to NAMUR NE 043:



Installation requirements VOAxxxxxxxxxG1

Mounting recommendations:

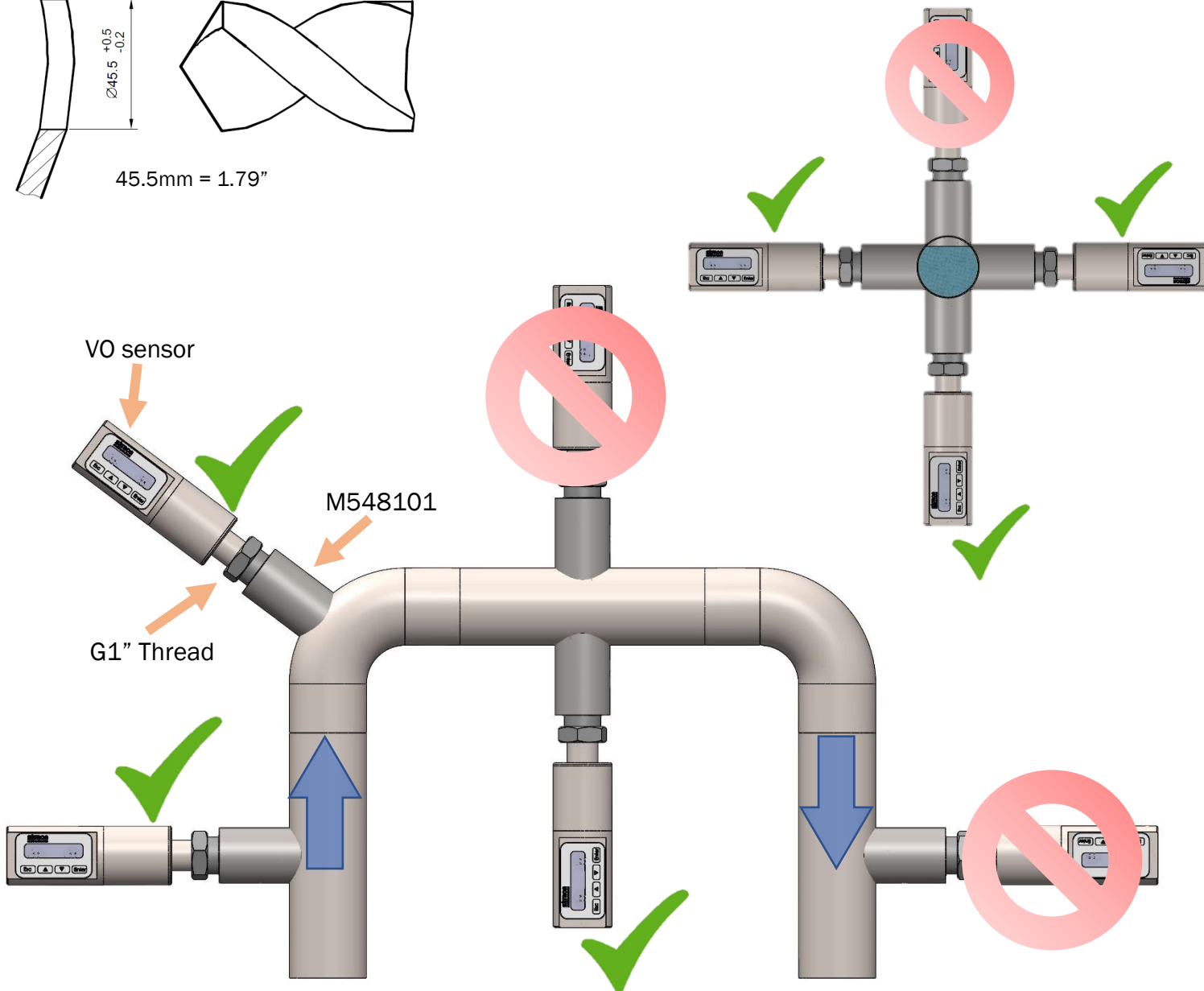
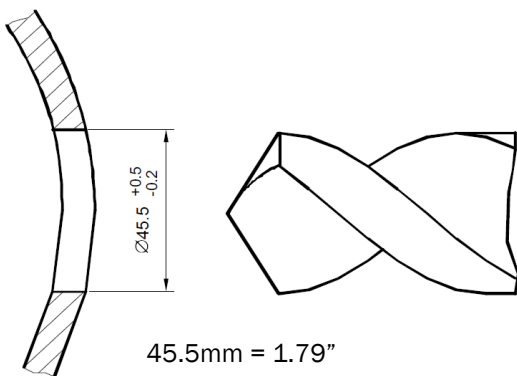
- Minimum pipe diameter: 38mm (1.5")
- Process connection direction:
 - Vertical: upwards flow with leak detection port facing down.
 - Horizontal: on the bottom or side with leak detection port facing down.
- Cable entry direction: from below

Installing 45/G1" Hygienic Welding adapter M548101, refer to datasheet for welding instructions.

Tightening torque: 60 +/- 20 Nm

Replacement o-ring 17x20mm EPDM/FPM/FFPM

Do not put sealing tape or paste on the threaded connection.

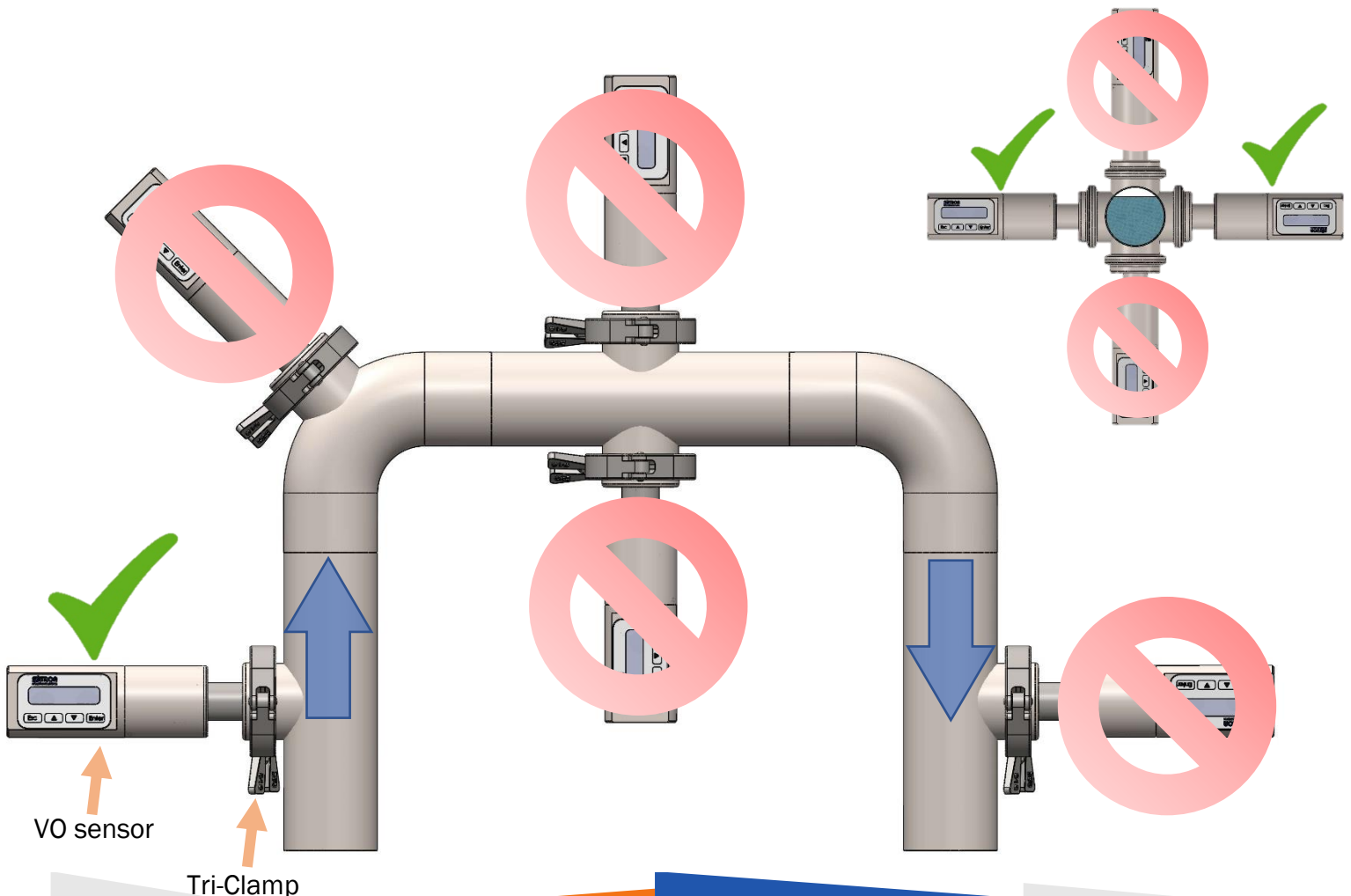
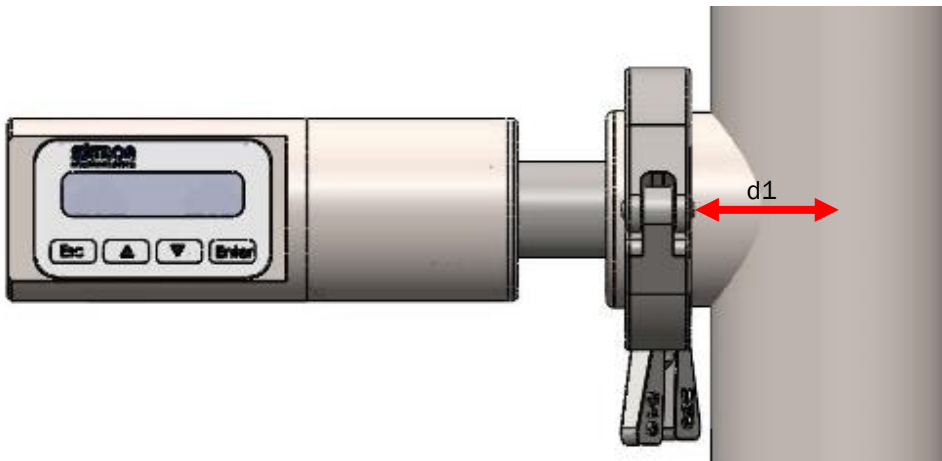


Installation requirements for Clamp connection: VOA xxxxxxxxxxxTA / TB / TN

Mounting recommendations:

Tri-Clamp connections are hygienic and easy to install but they can trap air that can cause a malfunction.

- Distance from sensor lens to inner pipe wall should be kept to a minimum “d1”
- Minimum pipe diameter: 38mm (1.5”)
- Process connection direction:
 - Vertical: upwards flow
 - Horizontal: on the side
- Cable entry direction: from below



2 point calibration:

Process valve, in this example 30.6%

