

PVC continuous flow D.50 sensor holder

DESCRIPTION

The external reservoir allows to have a fast circulation of the sample coming from the sampling point or from the optional filtration unit. Inside the fast-loop reservoir the sample is at atmospheric pressure and this allows the sample pump to work in proper way with constant delivery and no overpressure.

In addition to this, the fast-loop reservoir is a useful extra quantity of sample to avoid wrong alarms in case of short loss of sample as well as to eliminate air bubbles from sample coming the sample line or caused by the cleaning cycle of the optional filtration unit. The overflow drain keeps a constant water level inside the container and allows a proper water circulation.

This PVC probe container is particularly suited for environments where corrosion is a real issue, like the treatment of process water with high salinity.

Reservoirs can be equipped with a flow sensor so that when there is no sample the analyzer will stop the measurement/ analytical cycle and trigger an alarm.

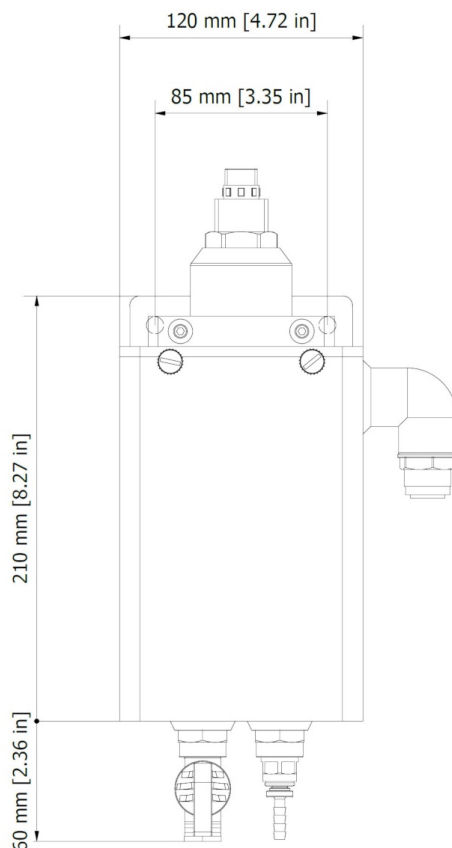
Additionally, there is a manual valve at the bottom of the reservoir to empty the resevoir and the reservoir can be cleaned.

A continuous line of sample with a flow of 80-500 cc/min is required for operation.



TECHNICAL SPECIFICATIONS

Body Material	PVC
Dimensions (HxLxD)	270 x 120 x 120 mm (10.2 x 4.7 x 4.7 in)
Weight	Approx. 1 kg (2.2 lbs)
Volume	2 ℓ
Mounting	Wall mounted
Sample Connection	Flexible tubing 6 mm OD
Drain Connection	Flexible tubing 10 mm OD
Sample Pressure	Atmospheric, flow (max 500 ml/min)
Sample Temperature	5 - 45°C (41 - 113 °F)
Maintenance	Regular cleaning, frequency dependent on sample quality



INSTALLATION



The reservoir can be mounted on the wall next to the analyzer, preferably on the right side of the 3S-PC1000 transmitter. The reservoir and the transmitter can be mounted quite far apart since the probe cord is 10 m long.

The sample line is connected to the bottom of the reservoir through a flexible tubing with an external diameter of 6 mm (an adapter for rubber tubings is included).

The probe is fastened to the holder and placed over the reservoir.

The level sensor of the reservoir has to be connected to the analyzer via the provided cord, either to port 1 or 2 depending on the analyzer configuration.

The illustration shows an example installation.

ORDERING INFORMATION

A46U10025 - PVC continuous flow D.50 sensor holder