

Sensor Cell Installation

The sensor is designed to be installed in a designated flow cell for controlled flow of water. The recommended flow rate is about 50 L/hr. (Approx. 1 l/m)

The chlorine sensor is shipped in a molded package containing:

- ✚ One (1) chlorine sensor with serial number (required for warranty),
- ✚ One (1) compression fitting with O-ring and compression disk,
- ✚ One (1) electrolyte cap with membrane,
- ✚ One (1) electrolyte bottle and screw-on filling tip,
- ✚ One (1) screwdriver (not required if pre-wired).



In order to prevent serious damage to the sensor, please be careful not to touch the membrane or the electrodes.

To facilitate shipment and storage of the sensor, it is not fitted with the electrolyte cap until ready for installation. The sensor cap must be filled with the electrolyte solution before usage and emptied during storage.

Fill the sensor cap with the electrolyte taking care to prevent air bubbles. Fill the cap to the bottom of the threaded section.

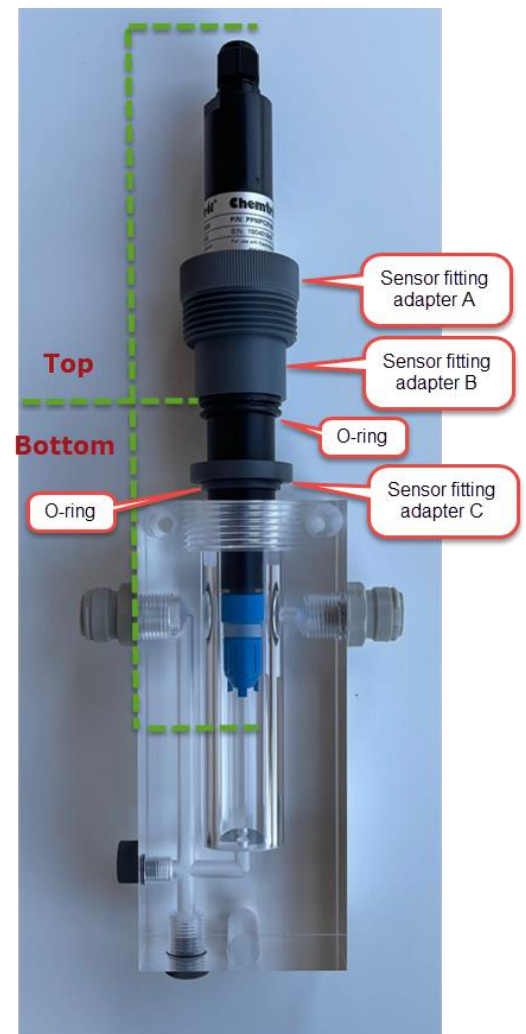
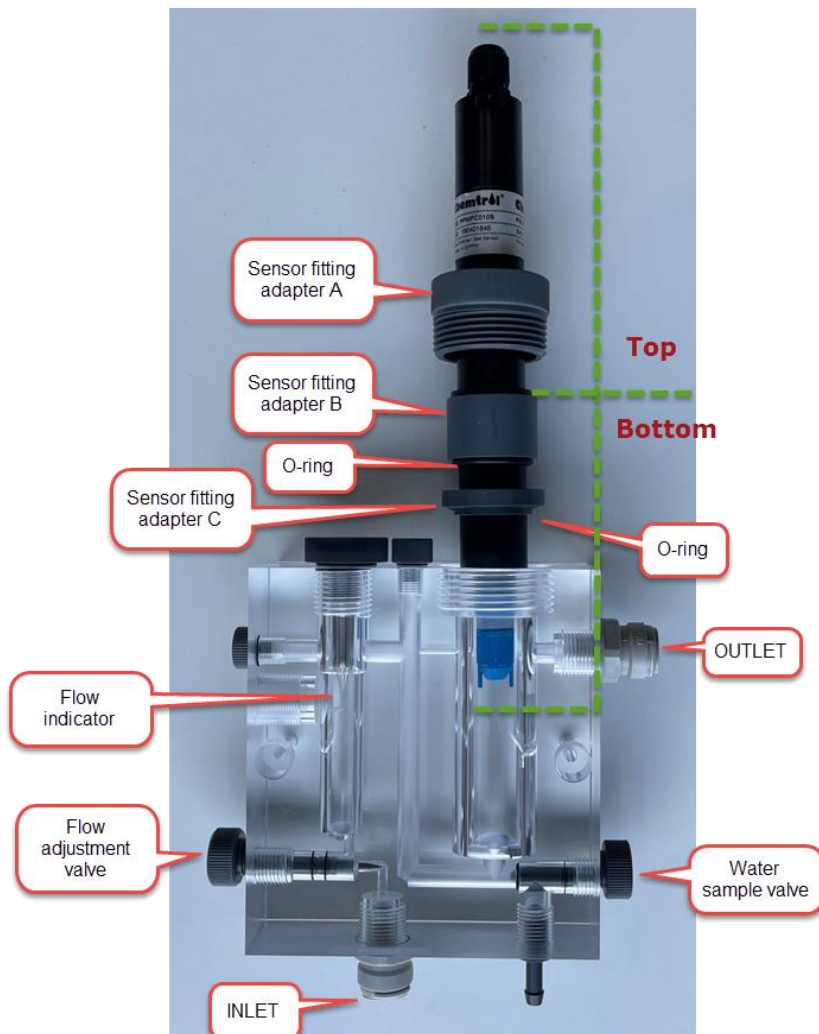
Thread the sensor into the cap as far as it will go. Excess air and electrolyte may escape through the hole below the rubber seal. Wipe any excess electrolyte with a soft tissue.

Slide the O-ring and the compression disk over the sensor tip up to the compression ring. Finally, insert the sensor with the compression fitting in the flow cell and make it finger tight.

Contact CHEMTROL® if you need additional electrolyte.



Flow-cell Fitting



Sensor Calibration

To calibrate the sensor, use a DPD #1 test kit for free chlorine. It is recommended to do the first calibration 2 hours after start-up and to repeat it after 24 h. After that, check the calibration as required and generally every 4 weeks.

Maintenance and Warranty

There is no special maintenance requirements except to make sure that the membrane remains clean and to remove the sensor to prevent freezing in winter.

The sensor is covered with a standard manufacturer's warranty of 2 years. Under proper water conditions, the membrane should last approximately 1 year (depending on water quality/concentration). Do not reuse the membrane if removed. Replace it with new membrane.

Important information

Can we reuse a membrane?

The answer is no. Once used, it must be thrown away.

Are the electrodes really fragile?

Yes, you must not rub them. Just dab them gently.

Can the electrolyte bottle be reused once opened?

Yes, but after each use, the bottle must be well closed. It can be used before the expiry date. For information, a bottle can fill up to 3 membranes.

Should the membrane be fully tightened when mounted on the probe?

Yes, it is very important to screw it until you cannot tighten it anymore.

