

WATER QUALITY ACCESSORIES / DATA SHEET

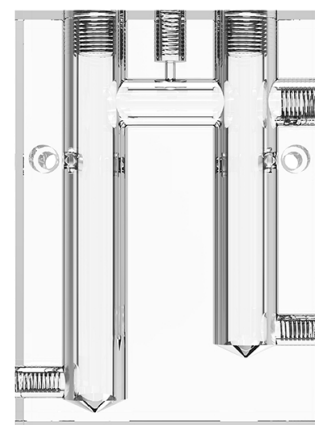
SS309-TY

Water Quality Analysis Flow Cell

A modular flow cell accessory for water-quality probes with 3/4-inch threaded measurement ends. It provides a controlled, sealed flow path for pH, conductivity, ORP and residual-chlorine measurements.

Overview

- Single-, double-, triple- and four-port flow-path geometries are available.
- Matching fittings, fasteners and a 2 m hose are supplied for installation.
- Single-pass flow enters below and exits above; multi-port layouts support controlled filling and venting.
- Threaded connections are sealed with PTFE tape to reduce leakage and protect measurement stability.



Interface 3/4 in threaded	Flow Single pass	Layouts 1-4 ports	Hose 2 m supplied
Key Advantages • Stable, repeatable sample contact around the probe sensing end. • Multiple port layouts for different installation and sampling arrangements. • Fast-connect hose interface for efficient installation and service.		Applications • Online pH, EC and ORP monitoring. • Residual-chlorine and process-water measurement. • Water-treatment skids, laboratory loops and pilot systems.	

SYSTEM DATA

Product Specifications

Item	Specification
Compatible probes	Water-quality devices with 3/4-inch threaded measurement ends, including pH, EC, ORP and residual chlorine probes
Flow-cell layouts	Single-port, double-port, triple-port and four-port bodies
Sensor interface	3/4-inch threaded mounting interface
Flow direction	Single-port geometry: lower inlet and upper outlet; multi-port geometry: inlet / outlet can be selected for the installation
Hose connection	Fast-connect fittings with supplied 2 m flexible hose
Sealing method	Wrap PTFE tape on threaded connections; use plugs or valves on unused ports as required
Included accessories	Flow cell, matching fittings, fixing screws and nuts, and 2 m hose; light-shield accessory on the applicable cylindrical configuration
Measurement condition	Fill the cell completely and keep the probe sensing end fully wetted; remove trapped air bubbles

DIMENSIONS

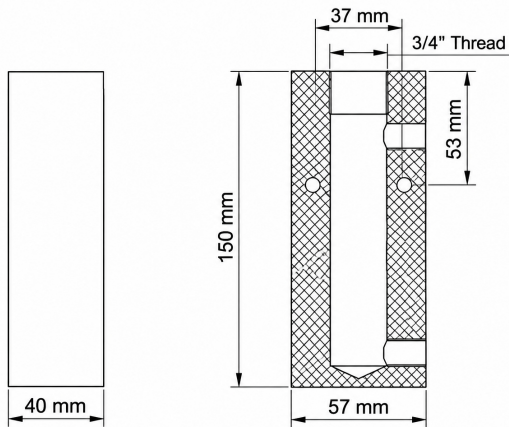
Available Flow-Cell Geometries

Geometry	Approx. dimensions	Use / interface
Single-port body	150 × 57 × 40 mm	3/4-inch sensor thread; compact single-pass path
Double-port body	150 × 110 × 40 mm	Two measurement positions; controlled filling and venting

Geometry	Approx. dimensions	Use / interface
Triple-port body	150 × 200 × 40 mm	Three measurement positions; 3/4-inch threaded ports
Four-port body	150 × 240 × 40 mm	Four measurement positions; 3/4-inch threaded ports
Cylindrical options	242 or 272 mm length; Ø55 mm	1/4-inch side ports; one light-shield accessory on the applicable configuration

HARDWARE

Dimension Reference and Flow Path



Flow Path and Installation

- Mount the probe through the 3/4-inch threaded interface and tighten the fittings.
- For single-port use, route liquid from the lower connector to the upper outlet.
- For multi-port use, fill and vent the cell before securing the probe; remove bubbles before measurement.

Single-port reference (mm)

INSTALLATION

Installation Guidance

Step	Guidance
Threaded mounting	Apply PTFE tape to every threaded connection. Use a plug or valve on any unused port to maintain a sealed flow path.
Hose routing	Push the 2 m hose fully into the fast-connect fittings and support the hose so it does not load the flow cell.
Filling	Block the outlet where required, open the inlet or vent, and fill the cell until all internal air is expelled.
Measurement	Confirm the liquid contacts the complete sensing end. Avoid bubbles, sediment and abrupt flow changes around the probe.

CONFIGURATION

Selection Notes

Form	Flow / connection	Typical use
Single-port	Lower inlet and upper outlet	Compact one-probe flow path
Multi-port	Fill and vent before mounting	Two, three or four measurement positions
Cylindrical	1/4-inch side ports	Light-shield accessory on the applicable configuration

SERVICE

Care and Maintenance

Inspect fittings and hose connections before operation, keep unused ports sealed, and rinse the flow path when changing samples. Do not use the product as a safety or emergency-stop device. Stop operation and contact support if the body, thread or fitting is visibly damaged.

CONTACT / SUPPORT

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