

Sampling Systems

Multi-Probe Flowcell Sampling Systems

The Multi-Probe Flowcell Sampling System enables you to measure several parameters of a sample at the same time using up to 5 probe types.

FLOW CELL FEATURES

- Engineered flow pattern for accuracy
- Compatible with most pumping systems
- Choice of meters & probes provides maximum economy and flexibility
- Use with variety of interchangeable meters
- Ability to use up to 4 or 5 probes simultaneously

FLOW BLOCK FEATURES

- Less than 40mL of void volume with probes installed
- Sensors in direct line of sample stream
- Block design for field durability
- Tubing Quick-Connect barb for easy connections and easy cleaning

OPERATION

The Geotech Flowcell/Flowblock can be used directly in-line with most any ground water pumping system such as the Grundfos RediFlo2™, Geotech Bladder Pump, or Geopump Peristaltic Pump, etc.

Flowblock is designed for minimal sample volume to reduce stirring dependence of sensors.



High Volume Flowcell: (left) 1350cc cell volume, ideal for purging flow rates of 1-3 gpm

Low Volume Flowcell: (right) 250cc cell volume, ideal for millipurging flow rates of 100 milliliters to 1gpm



Flow Block: (above) <40 mL cell volume (with probes properly installed) for flow rates of 100 mL/min to 1 GPM.

Sampling Systems

Multi-Probe Flowcell Sampling Systems Specifications

Dimensions:

Inlet	3/8"
Outlet	1/2"
Flowcell leg length	12"
Width with clamp	8"
Grommets included accommodate the following diameter of probes125 to .250", .250 to .375", .375 to .500", .500" to .675", .750 to .875"
Grommet also available875 to 1.00"
Parts kit includes grommet sizes500" to .675", .375 to .500", .875" to 1.00"

Materials Flowcell:

Cell top	Medical grade polycarbonate
Cell bottom	(high volume) medical grade polycarbonate
Cell bottom	(low volume) machined acrylic
O-ring	Medical grade silicone
Clamp	Stainless steel
Grommets	Medical grade silicone
Gasket	Medical grade silicone
Pressure relief valve	Medical grade silicone
Legs	Anodized aluminum
Leg end covers	Red neoprene

Materials Flowblock:

Block	Acrylic
Quick Connects	Acetal
Strain Relief	Nylon
Strain Relief Grommets	Buna

Low Volume Flowcell

Volume250cc
Flow rate	100 milliliters per minute to 1gpm
Height with fittings ..	.7"
Weight4lbs
Height with legs16"

High Volume Flowcell

Volume	1350cc
Flow rate	1 to 3gpm
Height with fittings ..	.9"
Weight2lbs.
Height with legs18"

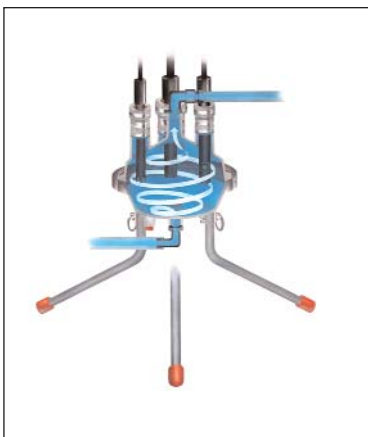
Flow Block

Volume	<40 ml cell volume
Flow rate	100 mL/min to 1gpm
Height	4.45 inches
Weight	1.95 pounds

Carrying Case*

Material	PVC
Handles	Locking
Weight	4lbs.
Depth	12"
Width	15"
Length	19.5"
Foam cut inserts specific to model	

*Carrying case sold separately.



Cut-away view of High Volume Flowcell illustrating water flow pattern



Geotech Flow Block



Carrying Case (optional)

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