

Flow-Through Sample Chamber

Flow-through Sampling Where You Want It

The Teledyne ISCO high temperature flow-through chamber makes “dipper” type samplers obsolete, and is ideal for large treatment plants with multiple sampling points spread over a large area. This device allows you to eliminate time-consuming trips to retrieve samples from remote monitoring points. By installing flow-through chambers on transfer lines from monitoring points within your plant, you can collect all your samples in one convenient, central, sheltered location.

With the “stinger” probe, samples are always collected from the middle of the flow stream, allowing you to use a much stronger pump to circulate the sample to the chamber. The Teledyne ISCO flow chamber can accommodate flows of up to 150 GPM (6.3 liters/second). By increasing the flow rate, you reduce maintenance and cleaning—and there’s no flow stoppage as required with a dipper sampler and weir structure.

Representative Sampling With Low Maintenance

Teledyne ISCO’s flow chamber obsoletes dipper-type samplers. With its patented “stinger” probe, samples can always be collected from the middle of the flow stream, allowing you to use a much stronger pump to circulate the sample to the chamber. Simply loosen the retaining collar to adjust the probe up or down inside the chamber, then tighten it to secure the probe in the desired position.

The flow chamber accommodates flows up to 150 g/m (6.3 l/ps). By increasing the flow rate, you reduce maintenance and cleaning—and, there’s no flow stoppage as with a dipper-type sampler and weir structure.

Monitor Parameters Too

The Isco flow-through system also allows you to add other modules in conjunction with the sample collection point. Now you can add a chamber for pH, DO, or other parameters that need to be measured on-site. This lets you expand your capabilities and simplify your monitoring in a single step.



Applications:

- Save time and money by eliminating sample retrieval trips. Collect all your samples in one convenient, indoor location
- Use additional chambers to monitor pH, DO, or other parameters.

Standard Features:

- Use with any Teledyne ISCO sampler and bottle configuration
- High flow rate - up to 150 GPM
- Attachable parameter probe ports

Flow-through Sample Chamber Specifications

Materials:

Chamber Body	ABS
Probe	CPVC or PEEK (see ordering information)

Length: 8 in (20.3 cm)

Inlet Diameter: 2 in (5.1 cm)

Outlet Diameter: 3 in (7.6 cm)

Minimum low Rate: 10 g/m (0.4 l/s)

Maximum Flow Rate: 150 g/m (6.3 l/s)

Ordering Information

Hi-temp flow-through sample chamber

w/ CPVC "stinger" probe 60-5314-978

Hi-temp flow-through sample chamber

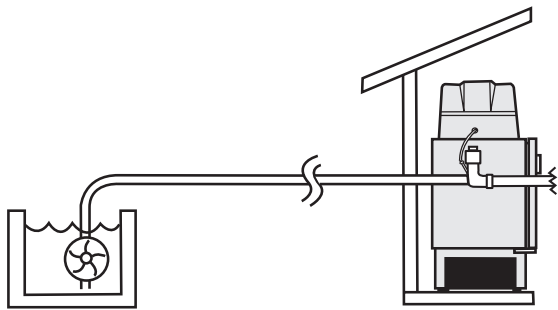
w/ PEEK "stinger" probe

(Note: You must include both item numbers)..... 60-5314-978

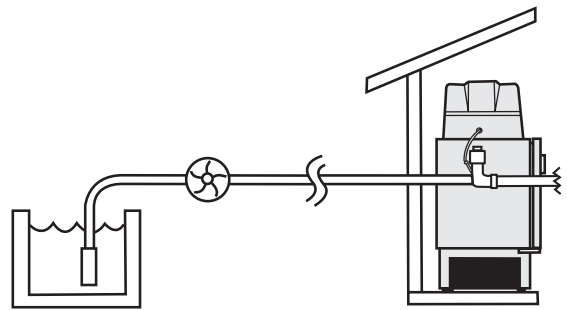
and
60-5314-191

For optional PEEK "stinger" probe (only) 60-5314-191

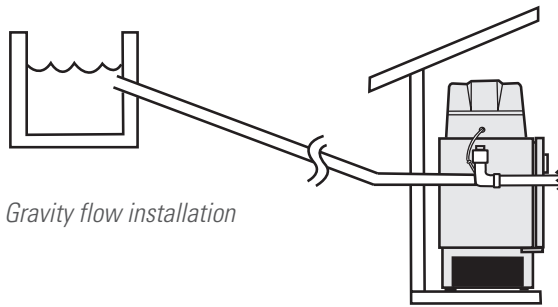
Chamber mounting bracket 60-5304-914



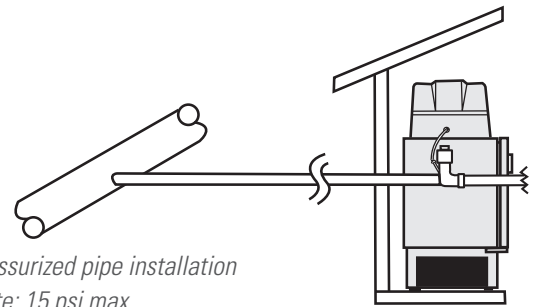
Submerged pump installation



Suction pump installation



Gravity flow installation



Pressurized pipe installation
Note: 15 psi max.

Teledyne ISCO

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Teledyne ISCO is continually improving its products and reserves the right to change product

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