

SC-V10 Liquid Collection Capability

Seacoast Science's Liquid Collection (SC-LC) System

Seacoast Science's Liquid Collection (SC-LC) system is a newly developed accessory kit to support collection of liquid samples using Seacoast Science's SC-V10 pump handle.

The SC-LC offers a range of collection vessels, allowing the user maximum flexibility, while collecting various types of known and unknown liquids with viscosities ranging from 1 Centipoise (cps) (like water) to 10,000 cps (thick syrups or sludges). The SC-LC is a modular system made-up of:

- a custom engineered flow cap that prevents sample aerosols from escaping the capture vessel
- a range of vessels from 100ml – 1Liter,
- a flow control valve to manage sampling rate,
- sections of chemically resistant tubing to extend the reach up to 3m (~10ft),
- quick connect couplings provide secure, easy connections between all components,
- and a variety of nozzles to select from for collection

Components are designed for ease of assembly, operation, and disassembly by users wearing heavy gloves in the field. Following sample collection, the device's wetted tubing and collection vessel can be separated, the vessel capped, and all pieces bagged, to prevent sample loss or cross-contamination.

Applications

- Collection of liquids or slurries from surfaces, vessels, or drains.
- Liquid evidence, environmental samples.

Special Features

- Variety of available collection vessels with standard GL45 bottle screw caps.
- Quick-couplings for easy assembly and disassembly.
- Modular design to allow user flexibility for special sampling situations.
- Four types of nozzles
 - Open-end nozzle ~ 3/8" ID, 1/2" OD.
 - 40x40 mesh (<0.5mm) prefilter to screen unwanted debris.
 - Angled, fine tip (1/8" ID).
 - 1/4" OD narrow collection nozzle (24-inch long) for collection from drains or narrow mouth containers

Accessories

- Carrier
- Control wand attachment to extend reach of the nozzle

