

Solvent Transfer System



Automated Valve Solutions

IDEX Health and Science presents a new solvent transfer system from Rheodyne. The solvent transfer system couples the proven performance of Rheodyne® TitanEX™ low pressure valve technology with Sapphire Engineering™ long-life, low pressure piston pumps, providing automated multi-channel fluid transfer capability in a modular unit.

Application Flexibility

The solvent transfer system may be used to select from multiple fluid inputs to a common outlet as well as to deliver fluid from a common source to multiple outlets. This flexibility allows the solvent transfer system to support a wide range of analytical, clinical, and process control applications.

Stand-Alone Performance

Expanding laboratory capability, this stand-alone unit does not require connection to an analytical instrument. With an integrated pump and valve, the solvent transfer system only requires power and a command input to perform a programmed sequence of operations.

USB Programmable Automation

With USB compatibility, the solvent transfer system offers worry-free automation with multiple programmable steps to accommodate complex needs in reagent addition, solvent selection, and fluid delivery.



Supports Increased Productivity

The solvent transfer system prevents carry-over and increases sample throughput with rapid needle and valve wash capability. It automates reagent or solvent additions to samples or reactions to free-up lab personnel time.

Multi-Channel Fluidics

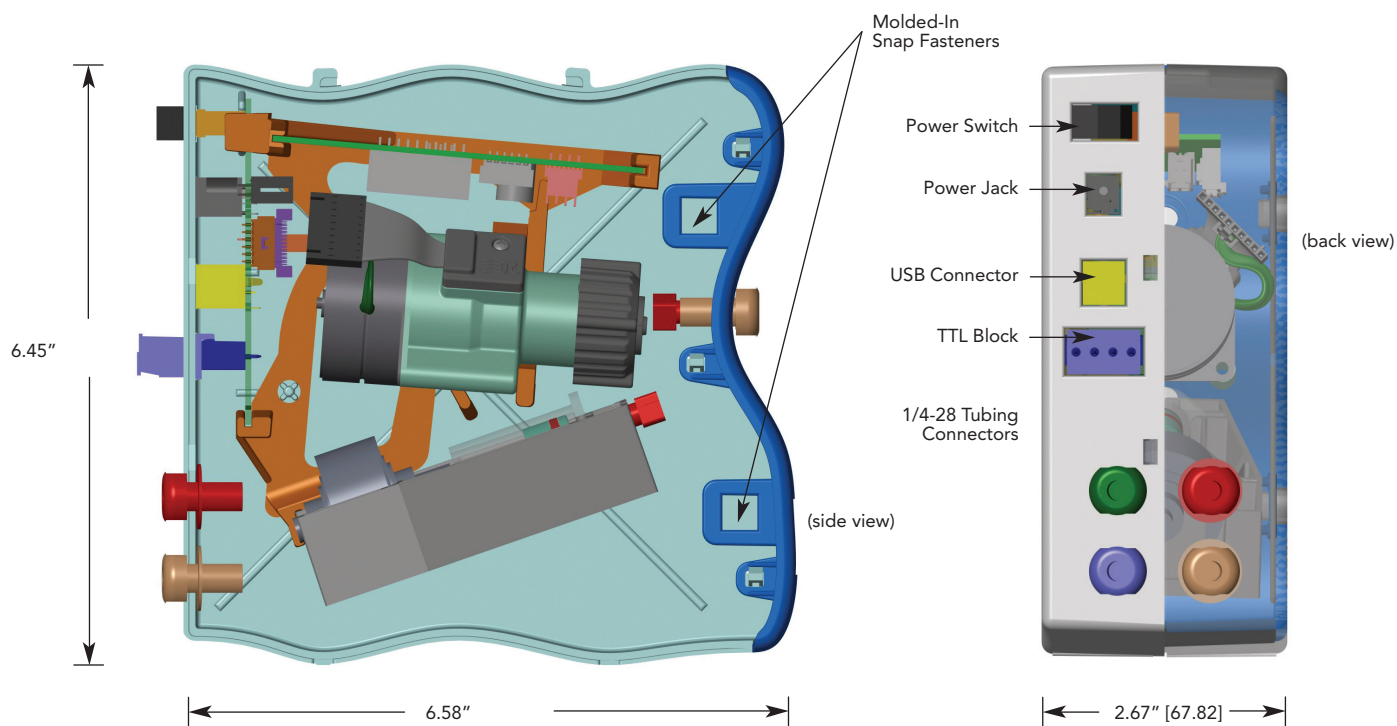
The Multi-channel fluid transfer supports and complements existing instrumentation and expands existing capabilities. The solvent transfer system is equipped with four solvent inlets and a common port for solvent and reagent delivery. It provides the flexibility required to meet customer application demands in solvent delivery and rapid wash cycles to reduce carry-over.



Precision Engineered Fluidics™

Solvent Transfer System

Dimensions given in inches and millimeters [in brackets].



Specifications:

To order the Solvent Transfer System from Rheodyne use part # STS100-000

- ▶ Pump barrel: Polypropylene*
- ▶ Pump seal: UHMWPE*
- ▶ Valve internal volume: 22.5 μ L
- ▶ Flow rate: 0-15 mL/min in 0.1 mL increments
- ▶ Volumetric accuracy: \pm 5%
- ▶ Volumetric precision: \pm 3%
- ▶ Max operating pressure: 50 psi (3.4 bar)

*contact factory for alternate materials

- ▶ Solvent selection
- ▶ Reagent dispensation
- ▶ Fraction collection
- ▶ Calibrant addition
- ▶ Dosing disinfectant
- ▶ Needle or syringe wash
- ▶ Automated sample preparation
- ▶ Rapid valve wash
- ▶ Post column additions

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