

SFT-Series III Digital Pump

The SFT-Series III pump consists of a series of modular subassemblies packaged to meet any isocratic application requirements. The extensive use of digital logic and a micro-stepped motor allow for precise and flexible control. The user interface consists of an LED display and keypad. The self-flush head and a three-year warranty ensure years of trouble-free service. Method development is easy with Autoprime™ purging. Upper and lower pressure limits can be easily set, and the pressure can be monitored on the LED display.



The SFT-Series III is an isocratic pump for advanced applications.

External control gives flexible performance at an affordable price.

When combined with a SFT-Series II or III pump, keypad controller, detector, and injector, you have an economical, flexible binary gradient system.

SPECIFICATIONS

Flow rates	0.001 - 5.0 ml/min 0.01 - 10 ml/min 0.1 - 40 ml/min
Pressure	0 to 6,000 psi (5 & 10 ml SS heads) 0 to 5,000 psi (5 & 10 ml PEEK heads) 0 to 1,500 psi (40 ml heads)
Accuracy	2%
Precision	0.2% RSD
Dimensions	5.5"H x 10.4"W x 17.5"D
Weight	24 pounds (12 kg)
Power	100/110 Volts ac; 220 Volts ac; 50/60 Hz
Features	Prime-purge valve Pulse damper LED display
Remote Inputs	RS-232 Frequency (0-10 kHz), enable run, stop voltage (0-10 volts)

Supercritical Fluid Techs Inc

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Meets the most demanding applications

The patented low dead volume pulse damper and rapid refill in the SFT-Series III make this single piston pump virtually pulse-free. It meets the requirements of the most demanding detectors.

Analytical and semi-prep separations

Flow rates from .001-5 ml/min, 0.01-10 ml/min, and 0.1-40 ml/min are available.

Material compatibility for all applications

The SFT-Series III is available in either traditional 316 stainless steel or biocompatible PEEK™ (polyetherether ketone) for metal-sensitive applications.

Reduced maintenance

Seal life is dramatically extended by actively flushing the back of the primary seal with a flushing solution. The result is less down-time and reduced operating expenses. The self-flush is automatic; just change the flushing fluid weekly. Seals can be changed in five minutes without tools.

Easy solvent changes

Autoprime™ one-button purging makes it easy to prime or purge the pump.

Works in your existing system

The SFT-Series III is a direct replacement for many pumps, including Waters, Shimadzu, and other leading brands.

Performance beyond its price and the security of a 1-year warranty

The use of digital stepper motor technology and the proven single-piston design gives the performance of the most expensive pumps at a fraction of their cost. The operating cost is lower too, due to the simplicity of the design and fewer number of parts required. It's so reliable it carries a 1-year warranty.

Intended applications

- Isocratic applications and metering
- Biocompatible applications
- Semi-preparative to 40 ml/min.
- Quality assurance
- Education

ORDERING INFORMATION

305SFD01	SFT-Series III pump, .001-5 ml/min, Self-flush, minipulse damper with pressure, SS
305PFD01	SFT-Series III pump, .001-5 ml/min, Self-flush, minipulse damper with pressure, PEEK
305SFM01	SFT-Series III pump, .001-5 ml/min, Self-flush, minipulse damper (no pressure), SS
305PFM01	SFT-Series III pump, .001-5 ml/min, Self-flush, minipulse damper (no pressure), PEEK
310SFT01	SFT-Series III Pump, self-flush, 0.01-10 ml/min., SS, 110/220V, with pressure
310PFT01	SFT-Series III Pump, self-flush, 0.01-10 ml/min., PEEK, 110/220V, with pressure
340SFT01	SFT-Series III Pump, self-flush, 0.1-40.00 mL/min., SS, 110/220V, with pressure
340PFT01	SFT-Series III Pump, self-flush, 0.1-40.00 mL/min., PEEK, 110/220V, with pressure

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