

PrimeLine™ Syringe Pumps

PrimeLine™ Syringe Pump Features

- ❑ Spring loaded check valves allow operation in horizontal or vertical mounting orientation
- ❑ Power supply and Stepper motor with integral drive/controller
- ❑ PC control using a powerful but simple programming language to create flow rate and ramp profiles
- ❑ Pressure feedback, simple math function control logic, control of single and multiple syringe pumps
- ❑ Home sensor to detect end of stroke
- ❑ Wash seal standard, ideal for pumping buffers
- ❑ Stepper motor without integral drive/controller available for OEM or other custom applications
- ❑ Available with high pressure stainless steel
- ❑ Optional rotary encoder
- ❑ Optional housing and fan for stand alone operation
- ❑ Biocompatible versions are available, please contact us



High Pressure Version



ASI

Specifications

Motor Description:

NEMA 17 triple length stepper motor with integrated drive and controller
Motor communications/IO cable adaptor
Electrically isolated in-line USB to RS-422/485 converter pre-wired with mating connector to conveniently program and set configuration parameters

Power Requirement:

100-250 Vac, 50-60 Hz

Dimensions:

8" L x 1.75" W x 2.75" H including stepper motor

To order the *PrimeLine* Syringe Pump without integral drive/controller for stepper motor, check valves, or other custom features, please contact us.

Syringe Pump Complete Assembly

ASI Part Number	Piston Diameter	Stroke Volume	Max. Pressure
576-5000-01	2 mm	0.048 mL	1,500 PSI
576-5000-02	0.125"	0.150 mL	1,500 PSI
576-5000-03	0.1875"	0.350 mL	1,500 PSI
576-5000-04	0.3125"	1.0 mL	500 PSI
576-5000-05	0.50"	2.5 mL	200 PSI

High Pressure SST Version Syringe Pump Complete Assembly

ASI Part Number	Piston Diameter	Stroke Volume	Max. Pressure
576-5000-01SS	2 mm	0.048 mL	9,000 PSI
576-5000-02SS	0.125"	0.150 mL	3,500 PSI

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