

402 Syringe Pump



Fast, Reliable Repetitive Liquid Handling at the Touch of a Button

- Assures accuracy in sample transfer, dilution, reagent addition, mixing and more
- Delivers volumes from 1.0 μ L to 25 mL with excellent precision
- Adjustable flow rates to compensate for different sample viscosities
- Single- and dual-syringe with tee junction and dual-syringe with valve modules available
- Simple to integrate with an autosampler or other sampling systems
- Easy-to-maintain valve and syringe system
- Liquid-contact parts are made from inert materials
- Ideal add-on for Gilson liquid handlers: 215, 215 SW, 223, 221 XL, 222 XL
- Dual-syringe models provide extreme flexibility for quick and easy access to syringes, allowing you to create the configuration that will precisely fit your application

Technical Specifications

Driving Mechanism	Two stepper motors with independently-operated, three-port rotary valve
Flow Rate	1 µL/min–240 mL/min
Injection Volume	1.0 µL–25 mL
Liquid-Contact Materials	FEP, PTFE, PEEK, Ekonol, glass and ceramics
Manufacturing Standards	Meets applicable Safety and EMC certification standards; UL and CE certified
Maximum Dilution Ratio	Up to 500:1 using Gilson Samplers
Maximum Pressure	0.8 MPa (8 bar, 110 psi) for 0.1- to 10-mL syringes 0.3 MPa (3 bar, 40 psi) for 25-mL syringe
Minimum Piston Travel Time	From 1.0 second to 10 hours for one complete stroke
Power Requirements	Frequency: 50–60 Hz Voltage: 100–120 or 220–240V; mains voltage fluctuations not to exceed ±10% of the nominal voltage
Software	Via Gilson TRILUTION™ Software
Communication Interface	RS-232 or GSIOC
Syringe Capacity	100, 250 or 500 µL; 1, 5, 10 or 25 mL
Dimensions (w x d x h)	17 x 20 x 24 cm (6.7 x 7.9 x 9.4 in.)
Weight	5 kg (11 lbs.) for single-syringe model 7 kg (15.4 lbs.) for dual-syringe model

For applications or additional information, contact your local Gilson Technical Sales Representative or visit www.gilson.com.

Gilson, Inc. World Headquarters
Middleton, WI 53562 USA
Telephone: 800-445-7661 or 608-836-1551
Fax: 608-831-4451

Gilson S.A.S.
19, avenue des Entrepreneurs
F-95400 VILLIERS LE BEL France

www.gilson.com
sales@gilson.com, service@gilson.com, training@gilson.com

