

### SOLENOID OPERATED TEFLON® MICRO PUMP

#### FEATURES

- The pump produces a 40 µl dispense per stroke when set with a 6" to 8" (152mm/203mm) head of water. Maximum number strokes per minute is approximately 400.
- The pump is factory set but is supplied by special order, adjusted to dispense smaller volumes per stroke.
- Wetted parts are high density Teflon®, Tefzel®, and Ruby.
- Low internal volume.
- Positive shut-off.
- Repeatable to +/- 5% of set volume.

#### SPECIFICATIONS

Series	110TP	
Voltage	12 VDC	24 VDC
Power Watts @ 70°F. (21°C)	4.0 <sup>1</sup>	4.0 <sup>1</sup>
Currents Amps @ 70°F. (21°C)*	.32	.16
Lead Wires	15" (381mm) 26 Gauge Teflon® Coated	
Ports	1/4 - 28 Flat Bottom <sup>2</sup>	

© Registered trademark of DuPont Co.

Note: Pump requires energize and de-energize cycle to provide dispense.

<sup>1</sup> 40µl pump uses 8.0 watt coil with 0.67 amp and 0.33 amp for 12VDC and 24VDC, respectively.

<sup>2</sup> For other porting options, please consult factory.

#### DIMENSIONS

Series	Diameter	Height
110TP	1.25"	2.25"

#### MOUNTING

Two .093" dia. holes x .31" deep typical at .687" centers.



Installation drawing on back

The series 110TP micro-dispensing, solenoid actuated micro pump is designed for the OEM market to provide a non-metallic, fully inert fluid path for the dispensing of high purity or aggressive fluids. The 110TP Series can be factory set for discreet outputs between 20µl and 40µl per solenoid actuation. Actuation provides a precise, repeatable dispense of ±5%. Pumps are capable of actuation rates up to 400 cycles per minute, providing a maximum flow rate up to 16ml/min.

Pumps of this design are perfect for any precise dispense application where the self-priming feature is not required. They permit replacement of pump and valve combinations with a more compact, reliable, accurate and cost-effective solution.

Series 110TP micro pumps are ideal for use as reagent dispensers, wash pumps, diluters and drain pumps, where the inlet reservoir can be placed above the pump.

#### How to order

Step

1	Select Valve Size	110TP
2	Indicate Voltage	12vdc, 24vdc, 115vac, 220vac
3	Dispense Volume (µl)	20, 30, 40, or custom

Example: P/N **110TP** **12** - **40**  
Valve Size      Volts      Dispense

# INSTALLATION DIMENSIONS

## Series 110TP Micro Pump

