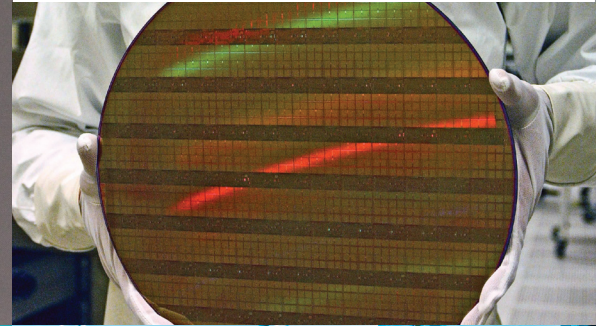
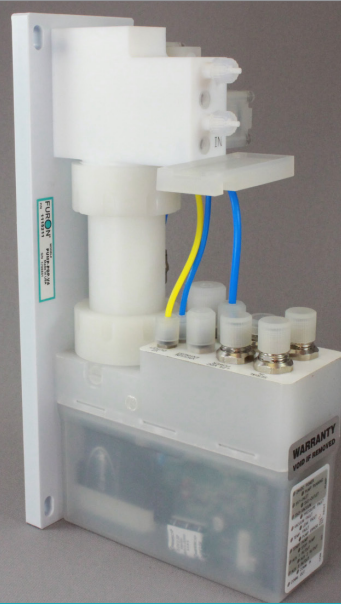


FURON®

Pure Performance



Furon® PDP

High Precision Dosing Pump

Description

Furon PDP pumps utilize our patented and industry-proven PTFE rolling diaphragm technology to accurately dispense fluids with extreme precision. In addition it is equipped with a suckback feature technology that prevents residual drops of media from escaping from the pump.

Furon PDP is a fully-integrated system driven by its own on-board microprocessor. It may be operated on its own via the intuitive Graphical User Interface (GUI), or controlled remotely via the built-in RS-485 interface, providing accurate point-of-use data and logging critical process parameters.

Applications

Furon PDP pumps are designed for accurately controlling and measuring the flow of a wide variety of fluids used in the semiconductor and chemical processing Industries.



Features and Benefits

- Superior Accuracy and repeatability
 - 0.1% of the full stroke
 - 0.1% of the full stroke
- High flexibility in the dosing volume
 - 0.1 ml to 40 ml
- Dispense and refilled potentially at different speeds
- Self Priming
- Built in RS 485 interface and logic controller for remote control
- Intuitive Graphical User Interface
- Programmable suckback feature
- Stepper motor driven
- CE compliant

ASK AN ENGINEER

SAINT-GOBAIN

Pump Ordering Information

Part Number	Description
1115211	PDP 1/8" Nippon Pillar S300 Super Type fitting
6001630	Cable PWR PDP 4P IN EURO ADAPTER
6001636	Cable I/O PDP 8P IN EURO Adapter Tuck #RSC 8T-4
6001640	Cable Kit PDP Standard RS-232 to RS-485/422

Operating Specifications

Fluid Inlet Pressure	60 PSIG max @ 22° C
Suction Lift Capacity	6' of H ₂ O @22° C
Outlet Pressure	60 PSIG max @ 22° C
Media Temperature Range	5-55° C
Dispense Volume	0.1 - 40.0mL, fully programmable
Dispense Speed	0.01 - 10mL/sec
Fill Speed	0.01 - 10mL/sec
Accuracy	± 0.050mL (Mode 1) ± 0.050mL (Mode 2)
Repeatability	0.005mL (Mode 1) 0.020mL (Mode 2)
Resolution	0.001mL
Air Pressure Requirements	0.46 SCFM W/Built-in vacuum generator
Power Requirements	1.0 A @ 24 VDC max.

NOTE: Performance may need to be adjusted based on a number of parameters such as viscosity and density of the carried fluid, liquid temperature....

[Please consult factory for further details >>](#)

Materials

- Pump Body: Fluoroloy®-T
- Diaphragm: Fluoroloy® 646
- Electronic Housing: Polypropylene
- Fluid Connections: 1/8" S300 Supper Type fitting
- PS Interface: PC-Compatible Graphical User Interface Software (optional)
- Pump may also be remotely controlled via built-in RS-485 interface or Logic Controller

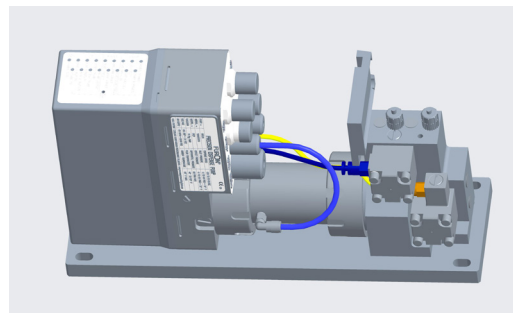
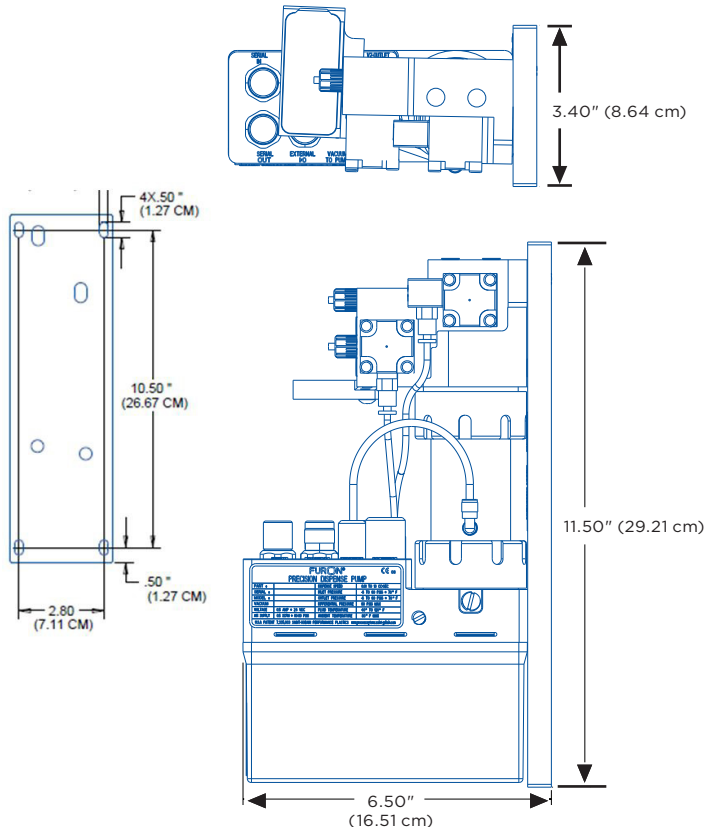
Operating Modes

- Mode 1: Pump holding reservoir is refilled after each dispense cycle
- Mode 2: Pump holding reservoir is refilled only when insufficient volume remains to complete the next dose

Regulatory Compliance

- Compliant with EU Electromagnetic Interference (EMC) and Machinery Directive (MD) requirements

Dimensions



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NOTE: The data and details given in this document are correct and up to date. This document is intended to provide information about the product and possible applications. This document is not the product specification and does not provide specific features, nor does it guarantee product performance in specific applications. Saint-Gobain cannot anticipate or control the conditions of the field and for this reason strongly recommends that practical tests are conducted to ensure that the product meets the requirements of a specific application.

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IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain Performance Plastics products for all intended uses and that the components to be used comply with all applicable regulatory requirements. Saint-Gobain Performance Plastics assumes no responsibility for any product failures that occur due to misuse arising out of the design, fabrication or application of the products into which they are incorporated.

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