

Fluid metering, inc.

VALVELESS WASTE TRANSFER PUMP



The **Valveless Fluid Control Solution** for waste transfer applications in Clinical Chemistry Analyzers, Dialysis Equipment, and Analytical Instrumentation.

FEATURES

- Valveless fluid control technology having only one moving part in fluid path
- 24V brushless DC motor
- Inert and chemically resistant flow path
- Small compact design
- Adjustable for different flow rates
- REACH and RoHS Certified

BENEFITS

- Fewer moving parts for long lifetime and less maintenance
- No additional driver needed
- Supports a wide range of chemical applications
- Ideal for OEM and medical instrumentation
- Great for a wide range of applications
- Assurance of high level of quality



Fluid Metering Direct Drive components are certified to ISO 9001:2015 standard and meet EU RoHS and REACH requirements

VALVELESS WASTE TRANSFER PUMP

PUMP SPECIFICATIONS

- **DIMENSIONS:**
6" x 2" x 2" (152mm x 51mm x 51mm)
- **SHIPPING WEIGHT:** 2 lbs
- **CALIBRATED FLOW RATE:**
Pump can be calibrated 20-400mL/min.
- **PUMP PRESSURE RATING:**
 - 60psi (4 Bar) max on outlet
 - Pressure spikes up to approx. 102psi (7 Bar) for a maximum of 10 seconds
- **MOTOR SPEED:**
Motor speed set to approximately 2000rpm
- **MOTOR DIRECTION:**
Motor direction set to clockwise rotation

MOTOR/DRIVER SPECIFICATIONS

VOLTAGE:
24V DC

VOLTAGE RANGE:
22-26V DC

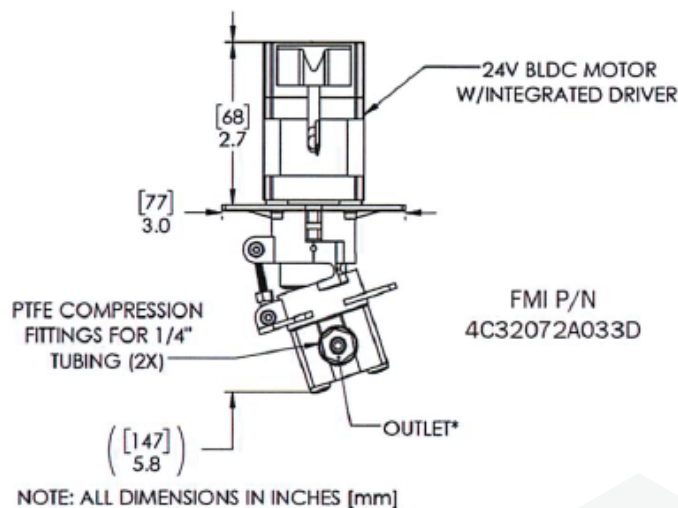
RATED CURRENT:
0.75/0.88amps (Motor/Driver)

CONTROL MODE:
Square Wave Control

SPEED CONTROL MODE:
Open Loop Control

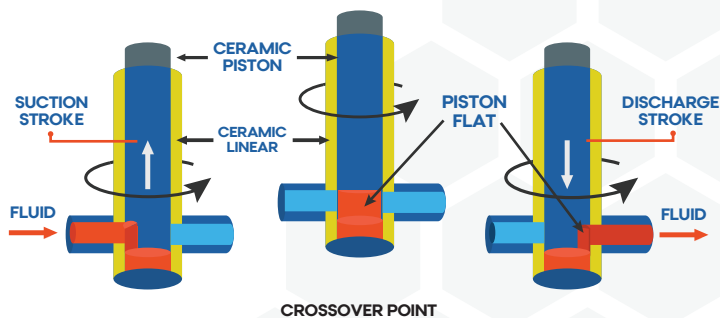
OPERATING TEMPERATURE:
-20°C TO +60°C

INSULATION CLASS:
B



FMI CERAMPUMP® VALVELESS METERING

The valveless pumping/dispensing function is accomplished by the synchronous rotation and reciprocation of the ceramic piston in the precisely mated liner. One complete revolution is required for each suction/discharge cycle.



CONTACT US TODAY TO DISCUSS YOUR NEXT PROJECT

We offer customized solutions to meet specific application and design requirements. Whether it is a small tweak to an existing technology or full development project, we partner with you to create an ultra-precise microfluidic solution that delivers on all your objectives.