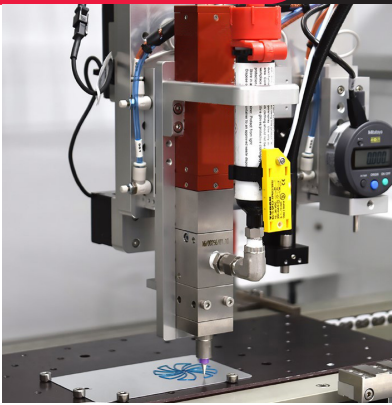




WHERE
PRECISION
DRIVES
PRODUCTION



PUMP SPECIFICATIONS

Viscosity Range

1 - 100,000 cps

Operating Temperature

10°C - 40°C (50°F - 104°F)

Inlet

1/8" NPT Female

Maximum Inlet Fluid Pressure

90 psi (6 bar)

Wetted Components

Stainless Steel, FFKM

PF1K-03

Dimensions

30 mm x 30 mm x 263 mm

(1.18" x 1.18" x 10.35")

Flow Rate

0.03 - 3.60 ml/min, material dependent

Valve Mass

0.9kg

PF1K-05

Dimensions

30 mm x 30 mm x 263 mm

(1.18" x 1.18" x 10.35")

Flow Rate

0.06 - 6 ml/min, material dependent

Valve Mass

0.9kg

PF1K-15

Dimensions

35 mm x 35 mm x 300 mm

(1.38" x 1.38" x 11.81")

Flow Rate

0.15 - 18 ml/min, material dependent

Valve Mass

1.5kg

PF1K

Servo Controlled Progressive Cavity Pump

The PF1K Progressive Cavity Pump is designed to apply small volume lines or dots in applications requiring a high level of volumetric control. The PF1K uses a progressive cavity principle, employing a proprietary auger-like rotor that couples with a rubberized seal to displace fluid with continuous, pulse-free flow. Close tolerances on the sealing mechanisms also provides drip-free operation even with low viscosity fluids.

Common applications include thermal grease, epoxy, encapsulants, underfill, dam & fill, gasketing, optical display bonding, and single component potting.

The PF1K Progressive Cavity Pump has many integrated features including:

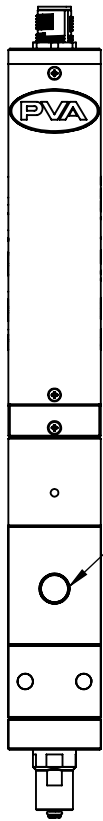
- High displacement precision +/- 1% (material dependent)
- Servo motor controlled operation
- Self sealing – low viscosity fluids will not drip
- Luer Lock outlet connection
- Pressure sensing on each pump outlet
- Works well with filled or unfilled chemistries
- Will not damage or alter filler properties
- Flexible syringe, cartridge, or remote bulk reservoir feed
- Easy to disassemble and clean

For more information, please contact PVA at info@pva.net or (518) 371-2684.

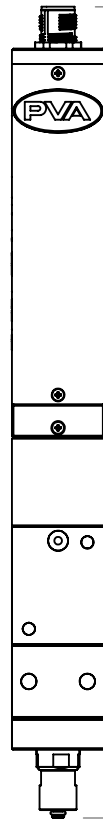


PF1K Mounting Dimensions

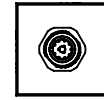
03, 05: 1.18" x 1.18" x 10.35"



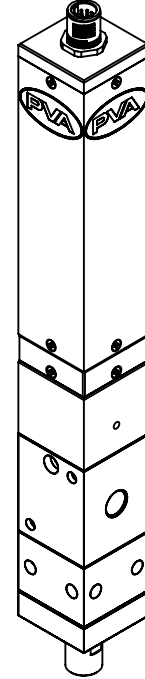
FLUID PORT
1/8" NPT



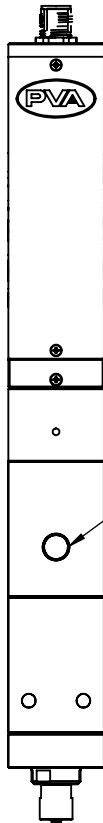
[10.354in.]
263mm



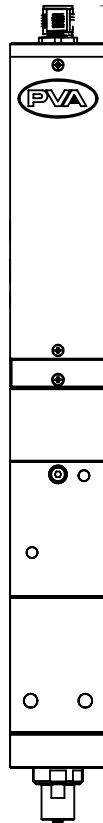
[1.181in.]
30mm



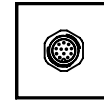
15: 1.38" x 1.38" x 11.81"



FLUID PORT
1/8" NPT



[11.811in.]
300mm



[1.378in.]
35mm

