



**WHERE
PRECISION
DRIVES
PRODUCTION**



VALVE SPECIFICATIONS

Dimensions

27.1 mm x 27.1 mm x 263 mm
(1.07" x 1.07" x 10.4")

Operating Temperature

10°C – 40°C
(50°F – 104°F)

Flow Rate

.004 – 6.0 ml/min

Viscosity Range

1 cps – 100,000 cps

Inlet

1/8" NPT Female

Outlet

Male Luer Lock

Maximum Inlet Fluid Pressure

90 psi (6 bar)

Wetted Components

Stainless Steel, Kalrez®

VPX-450 Volumetric Pump

The VPX-450 Volumetric Pump is designed for applying small volumes of fluids in lines or dots with a high level of control. The unit uses the progressive cavity principle, which utilizes a specially machined auger-like rotor that couples with a rubberized seal to displace small sealed cavities of fluid through the unit in a continuous flow. Close tolerances on the sealing mechanism provide pulse-free and drip-free operation with almost any viscosity fluid.

Applications include:

- Thermal Grease
- Epoxy Encapsulants
- Underfill
- Dam & Fill
- Gasketing
- Optical bonding
- Potting – Single component

The VPX-450 Volumetric Pump has many integrated features including:

- ▲ High precision +/- 1% (material dependent)
- ▲ Servo controlled
- ▲ Luer Lock outlet connection
- ▲ Self sealing, low viscosity fluids will not drip
- ▲ Works with filled or unfilled fluids
- ▲ Will not damage or alter filler properties
- ▲ Uses syringe, cartridge, or remote reservoir feed
- ▲ Easy to disassemble and clean

For more information, please contact PVA at info@pva.net or 1-518-371-2684.

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