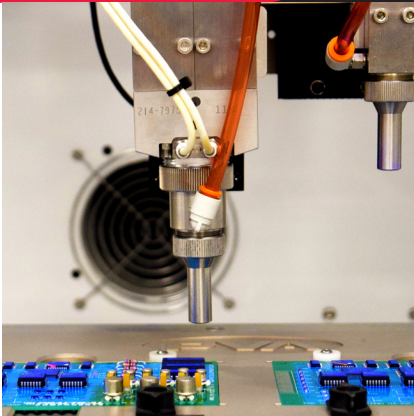




INNOVATION. **PRECISION.** EXCELLENCE.



## VALVE SPECIFICATIONS

### Dimensions

30 mm x 60.50 mm x 316.33 mm  
(1.181 in x 2.382 in x 12.454 in)

### Operating Temperature

10°C – 40°C  
(50°F – 104°F)

### Flow Rate

.02-10 ml/min (at 1:1 ratio)

### Spray Pattern Width

6.35 mm – 12.7 mm  
(0.25 in – 0.50 in), dependent on material

### Accuracy of Dispensing

±2%, dependent on material

### Maximum Inlet Fluid Pressure

90 psi (6 bar)

### Viscosity Range

1 cps – 100,000 cps

### Wetted Components

Stainless Steel (300 Series), Kalrez

### Inlet

1/8" NPT Female

### Transfer Efficiency

99%

## VPX-2KS

### Dual Component Spray Valve

The VPX-2KS Dual Component Spray Valve is a progressive cavity metering valve capable of accurately spraying 2K chemistries in a clean, flexible atomized process. Each component is metered via a servo controlled rotor that seals a rubberized stator to produce a continuous flow of material. Tight tolerance on the sealing mechanism assures pulse-free and drip-free operation, even with low viscosity fluids. As each component is metered in separate chambers, no routine flushing or purging is necessary as the chemistry will not crystallize in the fluid body.

The A and B components will be introduced via a disposable static mixer in the air cap to produce a fine conical shaped pattern.

The VPX-2KS has many integrated features including:

- High precision ±2% (material dependent)
- Servo controlled
- Programmable 1:1 – 10:1 ratio
- Works with filled or unfilled fluids
- Will not damage or alter filler properties
- Syringe, cartridge, or remote reservoir feed
- Easy disassembly and cleaning
- Ability to process short pot life mixtures
- Integrated pressure monitoring at the pump outlet

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

The VPX-2KS is Patent Pending

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# VPX-2KS Dimensions

