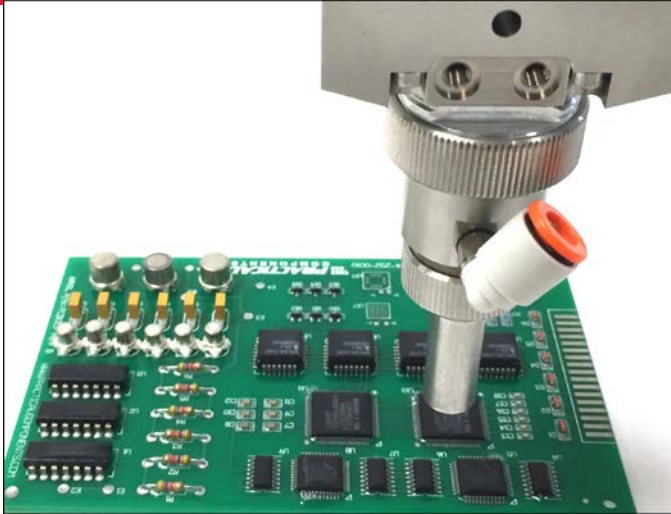




**WHERE  
PRECISION  
DRIVES  
PRODUCTION**



## **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 1-518-371-2684.



### **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 – 12 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

#### **Inlet**

1/8" NPT Female

#### **Viscosity Range**

1 – 100,000 cps

#### **Maximum Inlet Fluid Pressure**

90 psi (6 bar)

#### **Wetted Components**

Stainless Steel (300 Series)

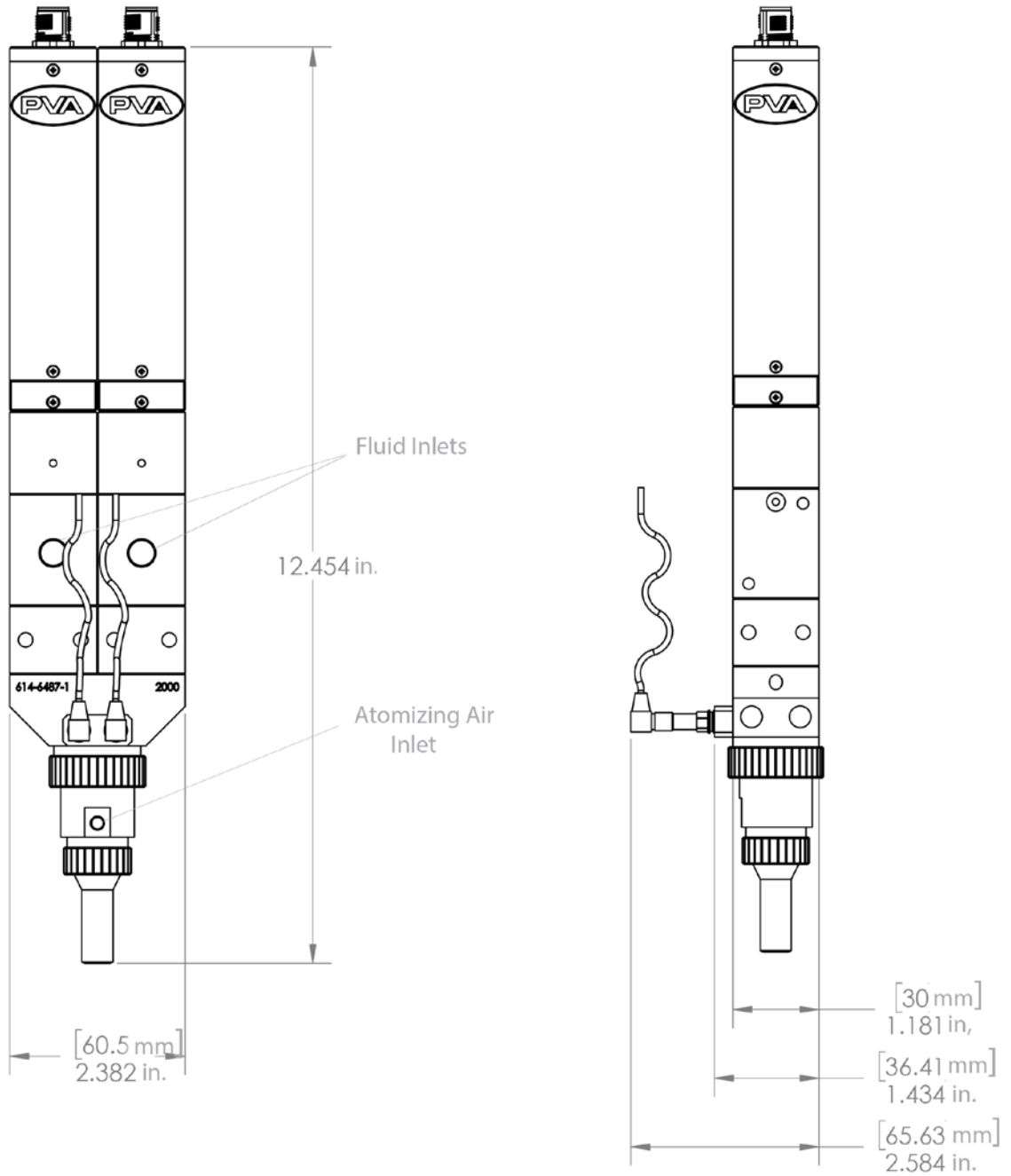
#### **Transfer Efficiency**

99%

One Mustang Drive  
Cohoes NY 12047  
tel 518 371 2684  
fx 518 371 2688  
[www.pva.net](http://www.pva.net)

\*The VPX-2KS is Patent Pending

# VPX-2KS



[www.pva.net](http://www.pva.net)