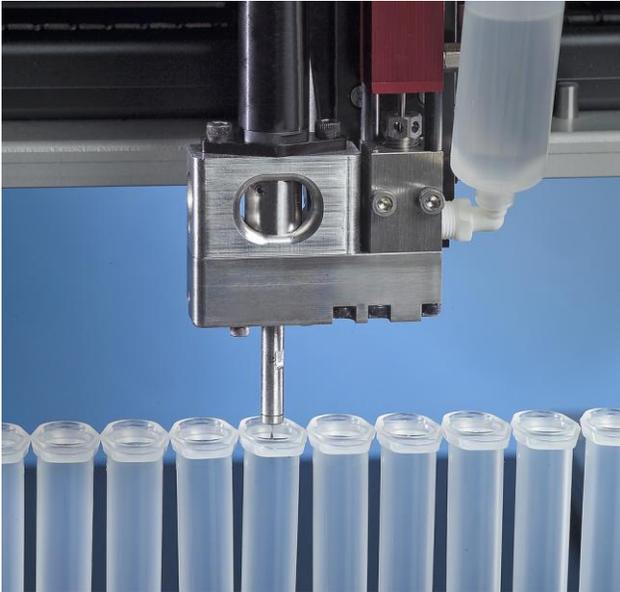




**WHERE
PRECISION
DRIVES
PRODUCTION**



VALVE SPECIFICATIONS

Dimensions

19 mm x 66 mm x 159 mm
(0.75" x 2.60" x 6.25")

Maximum Inlet Fluid Pressure

40 psi

Spray Pattern

Horizontal, 360° coverage

Transfer Efficiency

99%

Viscosity Range

1 cps – 1,000 cps

Operating Air Pressure

Valve: 80 psi

Air Motor: 40-100 psi

Weight

20 oz.

Wetted Components

Stainless Steel, Teflon®, Kalrez®



SAMPLE APPLICATONS

- ▲ Apply a drug diluted in solvent to the inside of a syringe
- ▲ Apply a medical grade lubricant to the inside of a syringe before the piston is assembled
- ▲ Apply a solvent based conductive paint to the inside of tubes

RC200 RADIAL COAT VALVE

The RC200 Radial Coat Valve sprays low viscosity fluids onto the inside walls of a cylinder to create a layer of coating. It integrates PVA's front closing valve technology, to start and stop fluid flow, with an air motor to spin the coating nozzle. The nozzle rotation uses centrifugal force to accurately propel the fluid directly on to the cylinder walls in a 360° degree pattern.

Interchangeable coating nozzles allow a wide range of fluids to be used in various size cylinders. A simple controlled motion in the vertical axis can be performed to coat wider areas of a cylinder.

Fluids that can be sprayed with this technology include water, solvents, and low viscosity lubricants.

The RC200 has many integrated features including:

- ▲ 360° of coating coverage inside a cylinder
- ▲ Fluid applied only to side walls of cylinder, not the bottom as an atomizing spray head would
- ▲ Greater fluid transfer efficiency using centrifugal force to transfer coating without atomizing air
- ▲ Vertical motion required to coat length of cylinders
- ▲ Valves can be mounted on 0.75" centers for stacking multiple heads per industry standard
- ▲ Stainless Steel fluid body for superior material compatibility

Nozzles can be designed to meet specific applications:

- ▲ Diameter of nozzle can be designed to fit different diameter cylinders
- ▲ Larger diameter nozzle can be used to increase amount of centrifugal force
- ▲ Length of nozzle can be designed to reach required depth into cylinder
- ▲ Nozzle orifice diameter can be designed to control coating thickness relative to fluid viscosity

The RC200 is available for all new PVA machines, or can be integrated into existing automation.

For more information on PVA's dispensing capabilities, please contact us at info@pva.net or 1-518-371-2684.

Teflon® and Kalrez® are registered trademarks of Dupont.

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RC200 Multi-head Mounting Dimensions

