

PDV-1000

Positive Displacement Volumetric Valve



The PDV-1000 series of precision auger valves is suitable for all medium to high viscosity paste, epoxy, solder paste and other filled material. Capable of dispensing a minimum shot size of 0.020" (0.508mm), the PDV-1000 uses an auger servo-motor driven screw.

The PDV-1000 has zero dead space within the valve and can deliver accurate and repeatable dots and beads for any application, whether automated or manually operated. The auger screw is manufactured from hardened stainless steel.

The PDV-1000 is used in conjunction with the RVC900N controller.

Models

Model numbers define the pitch of the screw and the barrel(syringe) size connected to the valve.

Pitch	3cc barrel	5cc barrel	10cc barrel	30cc barrel
8 pitch	PDV-1000-0308-LF	PDV-1000-0508-LF	PDV-1000-1008-LF	PDV-1000-3008-LF
16 pitch	PDV-1000-0316-LF	PDV-1000-0516-LF	PDV-1000-1016-LF	PDV-1000-3016-LF
32 pitch	PDV-1000-0332-LF	PDV-1000-0532-LF	PDV-1000-1032-LF	PDV-1000-3032-LF

Features

- Microshots 0.020"
- Abrasive materials
- Flexible coupling from motor to screw
- No dead space - high repeatability

Sales & Support

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Specifications

Minimum material viscosity:	35,000cps
Minimum shot size:	0.020"
Auger material:	Stainless steel
Gear box ratio:	16:2
Motor:	6-watt, 400 RPM (no load)
Motor voltage:	24V
Weight:	9 oz.