

PR-XV

POSI-RATIO® VARIABLE SYSTEM FOR EXTREMELY ABRASIVE MATERIAL

For precise and agile meter, mix and dispense of two component materials

Innovative design and durability make this variable ratio system ideal for dispensing highly abrasive, two component materials.

- **Patented first-in-first-out fluid path** eliminates dead zones, where material can accumulate.
- **High wear resistant construction** withstands thermal interface materials (TIMs) and other abrasive fillers.
- **Ratio accuracy and repeatability** is rated to up to 1 percent.
- **Variable ratio** adapts to a variety of applications.
- **Flexible shot size range** meets the demands of micro-dispensing and high-flow dispensing.
- **Base purge capability** minimizes mixer consumption and material waste.
- **Recirculation function** prevents material precipitation.



Controller

Servo motors

Deliver precise and repeatable dispensing

Inlet valves

Control material flow into the metering system

Pressure transducers

Allows constant monitoring of the fluid pressure

PR-Xv-100



High wear resistant metering tube

Handles different viscosities and fillers

TC valve

Controls on/off of A and B outlets

Materials:

- Epoxies
- Silicones
- Acrylics
- Urethanes
- Polysulfides
- Thermal interface materials

Applications:

- Bonding
- Sealing
- Potting
- Encapsulation
- Gasketing
- Thermal management

Markets:

- Electronics
- EV battery
- General industry
- Automotive
- Telecommunications
- White goods/appliances
- Transportation

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TECHNICAL SPECIFICATIONS

PR-Xv-075



PR-Xv-100



Part Number	2002596 & 2002597	2002594 & 2002595
Maximum Inlet Fluid Pressure	1200 psi (8.4Mpa, 84bar)	1200 psi (8.4Mpa, 84bar)
Maximum Working Fluid Pressure	1200 psi (8.4Mpa, 84bar)	1200 psi (8.4Mpa, 84bar)
Maximum Air Pressure	100 psi (0.7Mpa, 7bar)	100 psi (0.7Mpa, 7bar)
Power Supply	200VAC-240VAC, 50Hz/60Hz, 10A	200VAC-240VAC, 50Hz/60Hz, 10A
Air Inlet Size	1/4 in	1/4 in
Fluid Inlet	1/4 in npt (f)	1/4 in npt (f)
Fluid Outlet	7/8-9 bell outlet	7/8-9 bell outlet
Fluid Viscosity Range	10,000 to 1,000,000 cps	10,000 to 1,000,000 cps
Dimensions (L x W x H) (Without mixing nozzle)	750 x 280 x 156.5 mm	818 x 280 x 156.5 mm
Weight	22 kg (48.5 lbs)	26 kg (57.3 lbs)
Wetted Parts	303/304 Stainless Steel, Hard Chrome, Ceramic, UHMWPE, NBR, PTFE	303/304 Stainless Steel, Hard Chrome, Ceramic, UHMWPE, NBR, PTFE
Shot Size Range	0.1-75 cc	0.1-100 cc
Shot Repeatability	1%	1%
Flow Rate	0.01-10 cc/s (depending on material viscosity)	0.01-10 cc/s (depending on material viscosity)
Ratio Range	2:1-10:1	1:1-5:1



Applicator - TC Valve

Maximum Working Fluid Pressure	2000 psi (13.7Mpa, 138bar)
Maximum Air Pressure	100 psi (0.7Mpa, 7bar)
Air Inlet	1/8 in npt (f)
Fluid Inlet	9/16-18 UNF
Fluid Outlet	7/8-9 bell outlet
Fluid Viscosity Range	10,000 to 1,000,000 cps
Mix Ratio	1:1 up to 10:1
Wetted Parts	303 stainless steel, 17-4 PH stainless steel, C2 carbide, hard chrome, ethylene propylene, Parker Polymite, PTFE



We're here to answer questions and help address your needs:
www.graco.com/contact

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