



# 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

# PR-Xv

## TECHNICAL SPECIFICATIONS



**PR-Xv-075**



**PR-Xv-100**



Part Number	25S181, 25S182, 25S197, 25S198	
Maximum Inlet Fluid Pressure	1200 psi (8.4Mpa, 84bar)	
Maximum Working Fluid Pressure	1200 psi (8.4Mpa, 84bar)	
Maximum Air Pressure	100 psi (0.7Mpa, 7bar)	
Power Supply	200VAC-240VAC, 50Hz/60Hz, 10A	
Air Inlet Size	1/4 in	
Fluid Inlet	1/4 in npt (f)	
Fluid Outlet	7/8-9 bell outlet	
Fluid Viscosity Range	20 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	
Shot Size Range	0.03-75 cc	0.03-100 cc
Shot Repeatability	1%	
Flow Rate	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
Maximum Air Pressure	100 psi
Air Inlet	1/8 npt
Fluid Inlet	9/16-18 UNF
Fluid Outlet	7/8-9 bell outlet
Fluid Viscosity Range	20 to 1,000,000 cps
Mix Ratio	1:1, 2:1, 10:1
Wetted Parts	303 stainless steel, 17-4 PH stainless steel, C2 carbide, hard chrome, ethylene propylene, Parker Polymite, PTFE

**Contact us today!**

Call **800-764-1334** to speak with a Graco representative  
 Visit **[www.graco.com/PRX](http://www.graco.com/PRX)** for more information