



INNOVATION. **PRECISION.** EXCELLENCE.



SGP

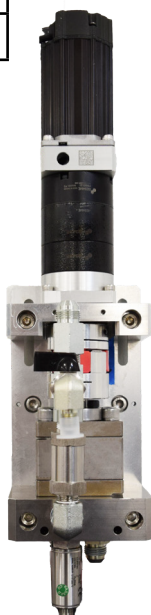
Servo Precision Gear Pump

PVA's SGP Servo Precision Gear Pump is the premier choice for unfilled or lightly filled fluid dispensing applications. PVA's gear pump technology offers near 100% volumetric efficiency, making it the ideal metering device for precise dispensing in a wide variety of shot volumes and flow rates.

The SGP system can be used in single component or two component meter-mix applications. Each servo precision gear pump is constructed with tool steel, with alternative pump material options available. Coupled with PVA's Endurance control system, an SGP process offers a widely versatile dispensing platform.

Via a menu driven HMI, the closed loop servo drives enable the programming of several functions including shot size, mix ratio, flow rate, pressure control, and auto purge.

For more information, please contact PVA at info@pva.net or (518) 371-2684.



System Specifications

Shot Volume

Single Component	
Minimum	0.75 ml
Maximum	None

Dual Component	
Minimum	1.5 ml
Maximum	None

*Based on 1:1 Ratio

**Gear pumps require no refill cycle*

Flow Rate

Single Component	
Minimum	15 ml/min
Maximum	900 ml/min

Dual Component	
Minimum	30 ml/min
Maximum	1800 ml/min

*Based on 1:1 Ratio

**Specially sized pumps can achieve flow rates outside of this range.*

Contact PVA Sales Engineering for more information.

Two-Component Mix Ratio

1:1 - 15:1

**For mix ratios exceeding 10:1, please consult PVA Sales Engineering.*

Maximum Pressure

2500 psi

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Dimensions

