High Volume Variable Ratio Servo Dispense System

Sealant Equipment & Engineering's new Servo-Flo™ 105-HV High Volume, Variable-Ratio Meter System is ideal for high-precision meter-mix dispensing processes for 2-part materials. The high volume design dispenses up to 35 cubic inches, 575 cc, of metered and mixed material at 1:1 ratio. The unique dual servo motor system design allows the ratio to be adjusted without mechanical changes to the machine. The material ratio is easily adjusted without costly mechanical equipment alterations.

The new Servo-Flo 105-HV is a positive rod displacement metering system which provides maximum dispensing precision and ratio control. For precise ratio control, independent servo motors allow each meter to pre-pressurize to the correct setting to ensure precise on-ratio start of dispense to eliminate off-ratio conditions in the beginning of the dispensed material. The system can provide different shot volume sizes, consistent bead diameters and respond to flow rate inputs for varying robot movement speeds. In addition, flow rates can be varied and stay on-ratio during the dispense cycle.

The system program allows over 250 pre-programmed dispense settings for different part sizes. The system's operator interface control quickly sets dispense flow rates and adjusts material ratios. For some 2-part materials this allows for changing cure time or durometer, adjusting to a supplier's batch variation or alternate formulation, and changing material types such as epoxy, silicone, urethane or acrylic.

With positive rod displacement metering, the new Servo-Flo 105 system dispenses precision volumetric shots and precise bead profiles. The meter system accepts low- to high-viscosity materials and is supplied by pressure tanks or pumps. The Servo-Flo 105 meter, control panel and supply can be floor-mounted, portable-cart mounted or enclosed in a cabinet with many dispensing features.

Sealant Equipment & Engineering Inc.
www.SealantEquipment.com/SF105HV [1]

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