

ISD - Integrated Servo Dispenser

Single Acting - Positive Displacement Meter



- ▶ Servo motor drive maintains robot command for desired flow rate
- ▶ Single-Acting metering technology for metered flow dispensing
- ▶ Surge-free material flow rate for precise bead profiles
- ▶ Flow rate is variable during the dispense cycle for varying tip-speed or bead profile
- ▶ Designed for low to high viscosity unfilled and abrasive filled sealer materials
- ▶ Designed for low and high flow rates
- ▶ Includes wear resistant wetted components and long life seals
- ▶ Stand mounted or frame mounted with optional Peltier Temperature Control

ISD Single-Acting Meter Assembly

Servo Drive Dispense System for Sealant and Adhesive Materials

The Single-Acting ISD – Integrated Servo Dispenser is designed to interface with robotic mounted applicators to dispense 1-component sealer materials in high volume production applications.

It's ideal for applications demanding precision bead profiles of low to high viscosity and abrasive materials continuously without reloading the meter.

The material is typically supplied to the meter by high volume supply pumps.

Typical Applications

- Paint Shop Sealer applications
- High volume, continuous flow process requirements
- Extrude, Ribbon, Stream, Spray and Swirl Bead profile dispensing
- Robotic dispensing processes
- Supplied by 55g or 300 g supply pump systems

ISD – Integrated Servo Dispense System



Popular Applicators:



The **Compliant Applicator** uses the robot program to locate the Ribbon Nozzle, rotate the Ribbon Tip, then the Compliant Applicator keeps the nozzle in position for precise bead placement and shorter cycle times.



The **Smart-Gun™** has three (3) applicator dispense tips. Select any combination of Stream, Spray and Ribbon tips for optimum bead profiles and process cycle times

ISD 2200-1024 Series Specifications:

Meter Volume per Stroke	39.0 cubic inches or 639 cubic centimeters
Working Pressure	3000 psi
Relief Pressure	4000 psi (nominal)
Weight	275 lbs.
Maximum Flow Rate	230 cu. in. per minute (1 GPM or 3769 cc/min)
Minimum Supply Requirements	500 PSI at 1.2 GPM
Maximum Inlet Pressure	No greater than 500 psi higher than normal dispensing pressure
Inlet and Outlet Connections	3/4" NPTF (inlet & outlet ports at both top & bottom of manifold)
Compressed Air Requirements	0.5 SCFM @ 80psi filtered to 100 micron or better
Compressed Air Connections	1/4" NPTF



Manufacturers of Precision Dispense Systems & Valves

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