

High Speed Dispensing Valve

Description:

This is an example of a high-speed solenoid mated to a multiple port spool configuration for the control of output fluids to very fine parameters.

The inherent fast response of the device allows accurate shot size for high repeatability in SMT assembly systems, glue dispensing valves, gasketing, marking, lubricant and mixing applications. If desired, the solenoid portion of the unit can also be mated to a fixed orifice resulting in a smaller package size.

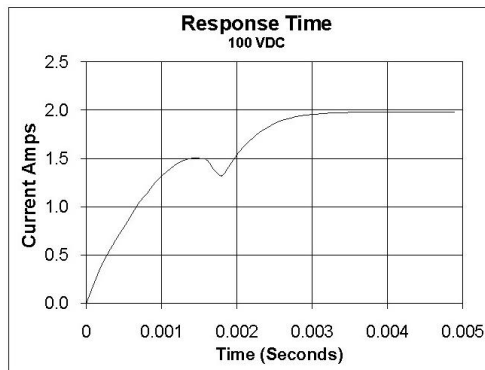
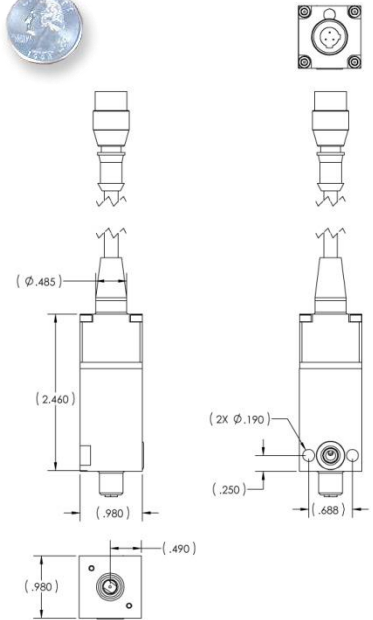


Features:

- Ultra fast response
- Compact design
- Low power consumption
- Can be designed to configure with customer power requirements
- Proprietary nozzle shut-off design allows for shorter unit

Possible Applications:

- Glue dispense equipment
- SMT adhesive machines
- High-speed marking
- Water control
- Fill timing applications
- Injectors
- Replacement for air driven spray systems



Example Specifications:

Metric (English as applies)

Coil Resistance at 25°C	10.0 ± .08 Ω
Response Time at 1500 CPS	<2 ms
Supply Voltage	325 Vdc
Current Draw (peak)	2 amps
Current Draw (hold)	.4 amps
Operating Temperature	210°C (410°F) max
Minimum Flow at 5000 CPS and 600 PSI Delta P	500 g/min (17.64 oz/min)
Working Pressure	83 bar (1200 psi) max