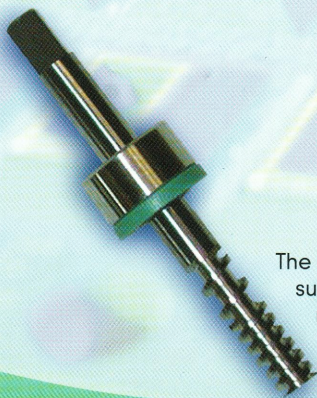


HY-FLO™ VALVE

The DL Technology HY-FLO dispensing valve is ideal for high volume applications in electronics assembly, medical device, and industrial assembly markets. The HY-FLO valve provides precise material control and repeatability by maintaining consistent temperature. An embedded thermocouple offers closed-loop control, compensating for temperature changes in the environment that may lead to process variations.

The HY-FLO valve features an advanced plastic that prevents heat migration to the gantry and motor. The rotation of the auger, controlled by a brushless motor with programmable encoder, provides more than 8,000 counts per 360° revolution. The valve uses a 24V, 40W Kapton heater, and a copper cartridge for maximum heat conduction. The valve operates in a temperature range of ambient to 100°C.

The auger configuration is designed to support the flow rate, which can be as high as 250 mg/second. The HY-FLO Valve is also available without the heater element for high volume applications that do not require temperature control.



The auger configuration supports flow rates of more than 250 mg/second.

2 **CLOSED LOOP HEATER**
24V, 40W Kapton heater

4 **EASY RELEASE PUMP**
Minimizes maintenance and changeover time

1 **SERVO MOTOR/ENCODER**
Precisely controls rotation of the auger

3 **HI-TECH THERMAL PLASTICS INSULATE HEAT FROM:**

- Mount Surface
- Motor
- Cartridge Coupling

5 **3/16" DIAMETER FLUID PATH**
For optimum material flow

6 **HY-FLO CARTRIDGE ASSEMBLY**
Carbide lined cartridge body; 3/16" diameter double pitch carbide auger

HY-FLO is a trademark of DL Technology, LLC®

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Precision Dispensing Accessories

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