



## Model 775

### Spool Valve Dispensing Systems

- Ideal for medium- to high-viscosity fluids
- Adjustable suck-back provides a crisp, clean shut-off of materials eliminating droplets and skinning-over at the end of the dispense tip
- Available with Teflon® or Viton® seals
- Adjustable flow control with lock provides accurate dispensing in shots from 0.01 mL to 50 mL
- Adjustable flow control is lockable, preventing drifting or tampering
- Compatible with most standard fluid packages and delivery systems
- Lightweight, easy-to-handle and mount in automated or bench-top systems

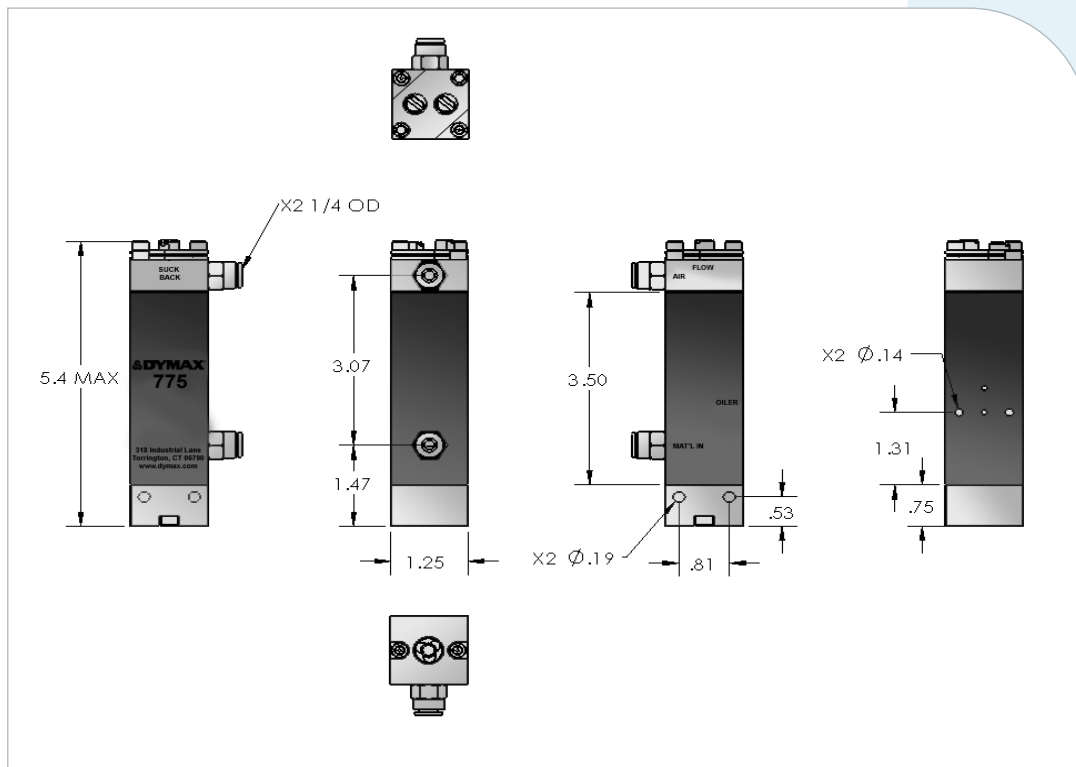
The Model 775 is a pneumatically operated spool valve that is designed to accurately dispense a variety of medium- to high-viscosity fluids. The valve's accuracy comes from two main features, its suck-back control and adjustable flow control. The suck-back feature greatly increases accuracy and repeatability when dispensing materials. Having control over the amount of suck-back assures consistent, stringless dispensing of tackier materials, and prevents droplets from remaining on the dispense nozzle when using lower viscosity materials. The valve's other key feature, adjustable flow control, gives users the ability to have complete control over the amount of material dispensed. The 775 valve can dispense volumes as little as 0.01 mL and as large as 50 mL.

The Model 775 dispensing valve is ideally suited to automated applications, but can also be paired with the Dymax DVC-345 Digital Valve Controller and a material reservoir to create a bench-top dispensing system.

# Specifications

| Specifications                |  |
|-------------------------------|--|
| Valve Type                    | Modified spool valve with suck-back controls                           |
| Construction Materials        | Stainless steel, hard-coated and anodized aluminum, Teflon, Viton      |
| Operating Air Pressure        | 60-80 psi [4.14 - 5.51 bar]  |
| Activation                    | Valve controller or 3-way solenoid valve                               |
| Maximum Fluid Pressure        | 700 psi (48 bar) with Teflon seals / 300 psi (21 bar) with Viton seals |
| Maximum Operating Temperature | 400°F (204°C)  |
| Free Flow Orifice             | 0.22" diameter   |
| Dimensions (W x H x D)        | 1.25" x 5.42" x 1.25" [3.18 cm x 13.77 cm x 3.18 cm]                   |
| Weight                        | 14 oz [397 g]  |
| Unit Warranty                 | 1 year from purchase date  |






Figure 1. Model 775 Dimensions



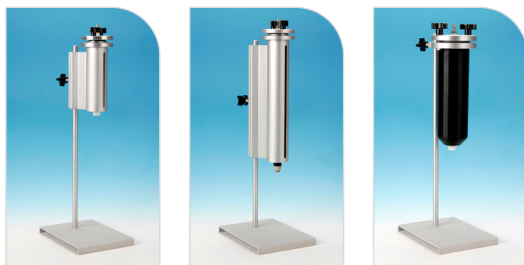
# Available System Packages

Systems Include:

- Model 775 Spool Valve
- Selected Reservoir for Fluid Package Used
- DVC-345 Digital Valve Controller
- Air Filter/Regulator - 0-100 psi (0-6.9 bar)
- Controller Air Line Kit
- Fluid Line Kits, 3/8" and 1/4" OD
- Valve Stand and Mounting Assembly
- Reservoir Air Line Kit
- Dispense Tip Kit
- Air Precision Regulator - Includes three pressure gauges:
  - 0-30 psi (0-2 bar) for very low- to medium-viscosity materials
  - 0-60 psi (0-4.1 bar) for medium-viscosity materials
  - 0-100 psi (0-6.9 bar) for high-viscosity materials

| System Part Numbers Based on Fluid Package Used |                                   |  |  |  |  |  |  |        |
|---|-----------------------------------|--|--|--|--|--|--|--------|
| Valve Only                                      | Complete System Without Reservoir | Cartridge Drop-In  |  |  | Large Bottle Drop-In   | Mini-Ram Pump  | Pail Drop-In   |        |
|   |                                   | 6 oz [160 mL]  | 12 oz [300 mL]   | 20 oz [550 mL]   | Up to 1 Gallon   | Up to 3.8 Liters   | Up to 15 Liters Straight or Taper  |        |
|   |                                   |  |  |  |  |  |  |        |
| Model 775 with Teflon® seals, 1/4" NPT          | T15853                            | T17855   | T17755   | T17756   | T17757   | T17758   | -  | T17759 |
| Model 775 with Teflon seals, 1/4 - 28 NPT       | T15855                            | -  | T17760   | T17761   | T17762   | T17763   | T17857   | T17764 |
| Model 775 with Viton® seals, 1/4" NPT*          | T15859                            | -  | -  | -  | -  | -  | -  | -      |

\*Viton seals are not compatible with UV-curable adhesives



6 oz (160 mL)      12 oz (300 mL)      20 oz (550 mL)

Cartridge Drop-In Reservoirs



Bottle Drop-In Reservoir



Mini Ram Pump



Pail Drop-In Reservoir



[www.dymax.com](http://www.dymax.com)

#### Americas

USA | +1.860.482.1010 | [info@dymax.com](mailto:info@dymax.com)

#### Europe

Germany | +49 611.962.7900 | [info\\_de@dymax.com](mailto:info_de@dymax.com)  
Ireland | +353 21.237.3016 | [info\\_ie@dymax.com](mailto:info_ie@dymax.com)

#### Asia

Singapore | +65.67522887 | [info\\_ap@dymax.com](mailto:info_ap@dymax.com)  
Shanghai | +86.21.37285759 | [dymaxasia@dymax.com](mailto:dymaxasia@dymax.com)  
Shenzhen | +86.755.83485759 | [dymaxasia@dymax.com](mailto:dymaxasia@dymax.com)  
Hong Kong | +852.2460.7038 | [dymaxasia@dymax.com](mailto:dymaxasia@dymax.com)  
Korea | +82.31.608.3434 | [info\\_kr@dymax.com](mailto:info_kr@dymax.com)