

Model 475 Dispensing Systems






The Dymax Model 475 dispensing system utilizes a pneumatic, normally closed diaphragm valve to accurately dispense low- to high-viscosity fluids. The internal diaphragm design of the valve prevents fluid from contacting the actuating components within the valve, decreasing wear on the valve's actuating components and minimizing valve maintenance and production down-time. This feature of the valve also makes the system ideal for dispensing reactive materials like cyanoacrylates and solvent-based products. Accurate, repeatable performance can be achieved by utilizing the valve's stroke adjustment to precisely dial-in a desired shot volume.

Special Features of the Dispensing System

Dymax Model 475 dispensing systems are engineered for optimal performance and long service life. Key features include:

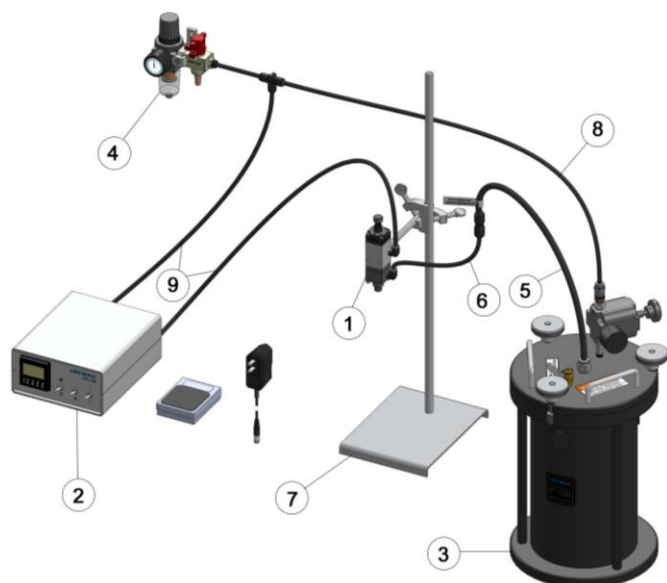
- Design of the dispensing valve minimizes damage to the valve's actuating components by preventing fluid from coming in contact with them.
- Lightweight valve is easy to handle and mount in automated or bench-top systems.
- Compatibility with Dymax packages of UV/Visible light-curable adhesives, epoxy resins, cyanoacrylates, and activator-cured adhesives
- High-quality, light-blocking polyethylene fluid tubing in two sizes - $\frac{3}{8}$ " OD for maximum flow and $\frac{1}{4}$ " OD to provide flexibility for easy handling
- High-quality, precision air regulator supplied for precise fluid control
- The 25-micron air filter regulator includes an integrated shutoff valve and pressure exhaust to quickly and safely depressurize the system, eliminating the need for the operator to open and close the regulator
- Easy-to-open, swing-down toggles on the bottle and pail reservoir

Systems Include:	
Model 475 Dispensing Valve	Mount Assembly, Lab Stand
Digital Valve Controller	Selected Reservoir
Fluid Line Kit – 6 ft of black $\frac{3}{8}$ " (9.5 mm) OD tubing	Air Line Kit - $\frac{1}{4}$ " (6.3 mm) OD tubing with fitting on one end
Air Filter/Regulator - 0-100 psi (0-6.9 bar)	Air Line Kit - $\frac{1}{4}$ " (6.3 mm) OD tubing
Fluid Line Kit – 6 ft of black $\frac{1}{4}$ " (6.3 mm) OD tubing and $\frac{3}{8}$ " - $\frac{1}{4}$ " (9.5 mm - 6.3 mm) reducer and two $\frac{3}{8}$ " - $\frac{1}{4}$ " (9.5 mm - 6.3 mm) stem fitting inserts	Air Precision Regulator - Includes three pressure gauges (0-30 psi, 0-60 psi, & 0-100 psi) (0-2 bar, 0-4.1 bar, & 0-6.9 bar)

Select System Based on Fluid Package Used						
	No Reservoir	Cartridge Drop-In			Large Bottle Drop-In	Pail Drop-In
		160 mL [6 oz]	300 mL [12 oz]	550 mL [20 oz]	Up to 1 Gallon	Up to 15 Liter Straight or Taper
						
Model 475 Dispensing System	T17361	T17362	T17365	T17359	T17369	T17371

Select system part number in **red** from table below.

Representative Model 475 Dispensing System (T17369 with Large Bottle Reservoir Shown Below)

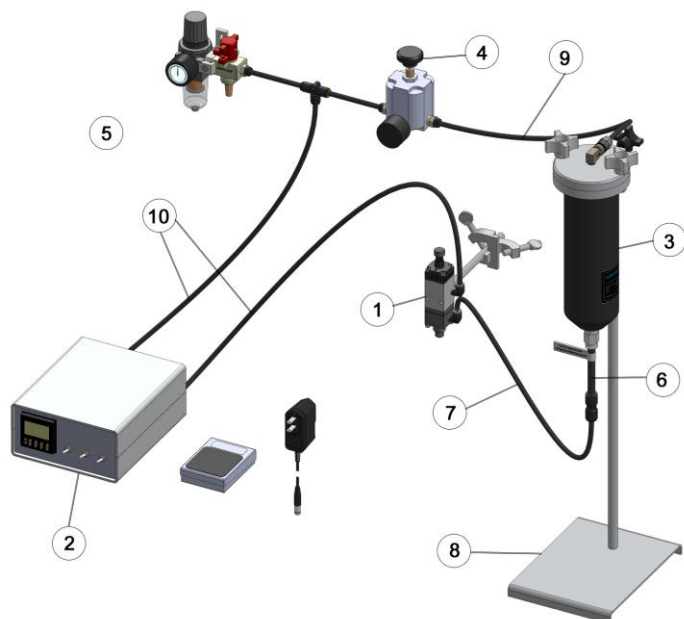


Item	Part Number	Description
1	T15988	Model 475 Diaphragm Valve
2	T11146	Model 345 Valve Controller
3	T17004	Bottle Drop-In Tank Assembly with High-Precision Regulator
4	T16307	Filter Regulator with Air On/Off Toggle, 25 Micron
5	T16787	6 Ft of Fluid Line Kit - Black 3/8" OD PE
6	T16793	6 Ft of Fluid Line Kit - Black 1/4" OD PE
7	T15279	24" Lab Stand
8	T16789	Reservoir Airline Kit
9	T16786	Controller Airline Kit

System Specifications

Compressed Air Supply	80-100 psi (5.5 – 6.9 bar)
Electrical Supply	110/220 VAC

Representative Model 475 Dispensing System (T17359 with Cartridge Reservoir Shown Below)



Item	Part Number	Description
1	T15988	Model 475 Diaphragm Valve
2	T11146	Model 345 Valve Controller
3	T15223	550 mL (20 oz) Reservoir
4	T16629	High-Precision Regulator
5	T16307	Filter Regulator with Air On/Off Toggle, 25 Micron
6	T16787	6 Ft of Fluid Line Kit - Black 3/8" OD PE
7	T16793	6 Ft of Fluid Line Kit - Black 1/4" OD PE
8	T15279	24" Lab Stand
9	T16789	Reservoir Airline Kit
10	T16786	Controller Airline Kit

System Specifications

Compressed Air Supply	80-100 psi (5.5 – 6.9 bar)
Electrical Supply	110/220 VAC



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Please note that most dispensing and curing system applications are unique. Dymax does not warrant the fitness of the product for the intended application. Any warranty applicable to the product, its application and use is strictly limited to that contained in Dymax's standard Conditions of Sale. Dymax recommends that any intended application be evaluated and tested by the user to insure that desired performance criteria are satisfied. Dymax is willing to assist users in their performance testing and evaluation by offering equipment trial rental and leasing programs to assist in such testing and evaluations. Data sheets are available for valve controllers or pressure pots upon request.

PB012DA 7/26/2012

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