

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:

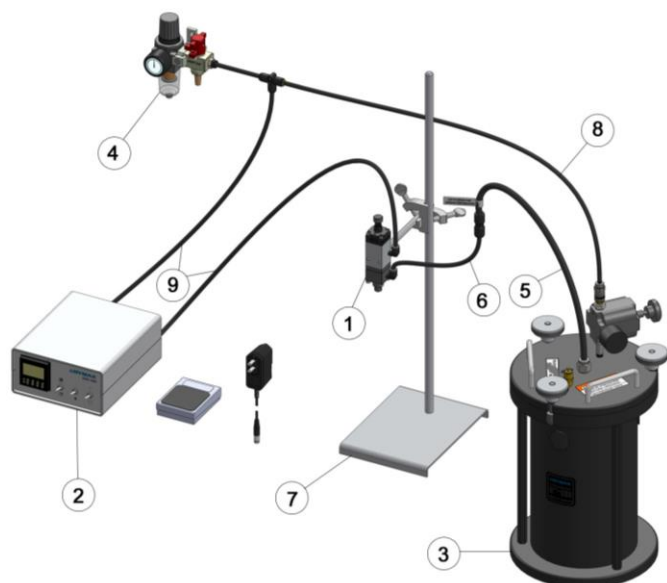
- Design of the dispensing valve minimizes damage to the valve's actuating components by preventing fluid from coming in contact with them.
- Lightweight valve is easy to handle and mount in automated or bench-top systems.
- Compatibility with Dymax packages of UV/Visible light-curable adhesives, epoxy 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)

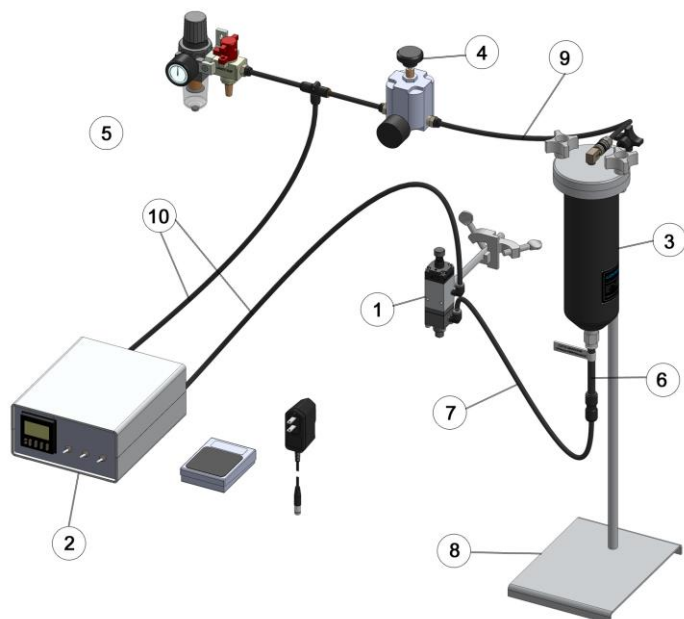


Item	Part Number	Description
1	T15988	Model 475 Diaphragm Valve
2	T11146	Model 345 Valve Controller
3	T17004	Bottle Drop-In Tank Assembly with High-Precision Regulator
4	T16307	Filter Regulator with Air On/Off Toggle, 25 Micron
5	T16787	6 Ft of Fluid Line Kit - Black 3/8" OD PE
6	T16793	6 Ft of Fluid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



© 2012 Dymax Corporation. All rights reserved. All trademarks in this bulletin, except where noted, are the property of, or used under license by Dymax Corporation, U.S.A.

The data contained in this bulletin is of a general nature and is based on laboratory test conditions. Dymax Europe GmbH does not warrant the data contained in this bulletin. Any warranty applicable to products, its application and use is strictly limited to that contained in Dymax Europe GmbH's General Terms and Conditions of Sale published on our homepage http://www.dymax.com/de/pdf/dymax_europe_general_terms_and_conditions_of_sale.pdf. Dymax Europe GmbH does not assume any responsibility for test or performance results obtained by users. It is the user's responsibility to determine the suitability for the product application and purposes and the suitability for use in the user's intended manufacturing apparatus and methods. The user should adopt such precautions and use guidelines as may be reasonably advisable or necessary for the protection of property and persons. Nothing in this bulletin shall act as a representation that the product use or application will not infringe a patent owned by someone other than Dymax Corporation or act as a grant of license under any Dymax Corporation Patent. Dymax Europe GmbH recommends that each user adequately test its proposed use and application of the products before actual repetitive use, using the data contained in this bulletin as a general guide.

PB012EU 7/26/2012

Dymax Corporation
860.482.1010 | info@dymax.com | www.dymax.com

Dymax Europe GmbH
+49 (0) 611.962.7900 | info_de@dymax.com | www.dymax.de

Dymax Engineering Adhesives Ireland Ltd.
+353.1.231 4696 | info_ie@dymax.com | www.dymax.ie

Dymax Oligomers & Coatings
860.626.7006 | info_oc@dymax.com | www.dymax-oc.com

Dymax UV Adhesives & Equipment (Shanghai) Co. Ltd.
+86.21.37285759 | dymaxasia@dymax.com | www.dymax.com.cn

Dymax UV Adhesives & Equipment (Shenzhen) Co. Ltd.
+86.755.83485759 | dymaxasia@dymax.com | www.dymax.com.cn

Dymax Asia (H.K.) Limited
+852.2460.7038 | dymaxasia@dymax.com | www.dymax.com.cn

Dymax Asia Pacific Pte. Ltd.
+65.6752.2887 | info_ap@dymax.com | www.dymax-ap.com

Dymax Korea LLC
+82.2.784.3434 | info_kr@dymax.com | www.dymax.com.kr