

Model 100 Hand-Held Valve Dispensing Systems

The DYMAX Model 100 is an automatically controlled dispensing system. Accurate dispensing is achieved through the use of a unique normally-open, hand-held diaphragm valve. The diaphragm valve is designed with a wand-style body to make it more ergonomic for users. DYMAX hand-held dispensing systems can be used for a variety of applications including dot, bead, and potting applications.

Special Features of the Dispensing System

DYMAX hand-held fluid dispensing systems are engineered for optimal performance and long service life. Key features include:








- Compatibility with DYMAX packages of UV light-curable adhesives, epoxy resins, cyanoacrylates, and activator-cured adhesives
- High-quality, light-blocking polyethylene fluid tubing in two sizes - $\frac{3}{8}$ " (9.5 mm) OD for maximum flow and $\frac{1}{4}$ " (6.3 mm) OD to provide flexibility for easy handling
- High-quality, air precision regulator supplied for precise fluid control
- 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:

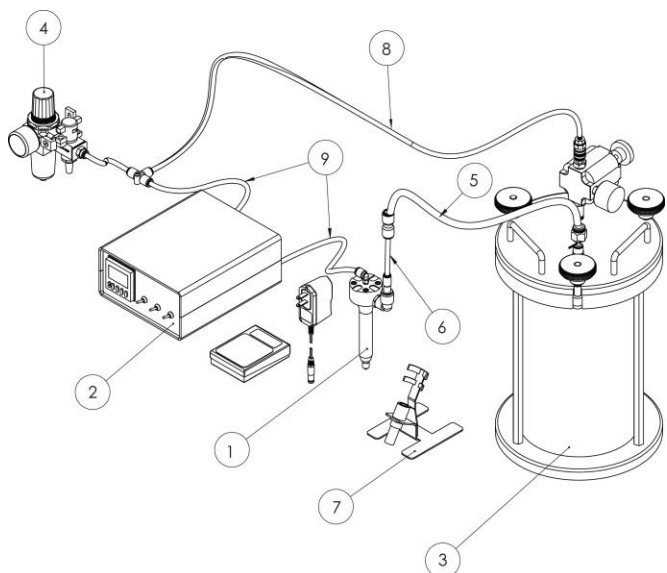
Handheld Dispensing Valve	Dispensing Valve Stand
Selected Reservoir	Digital Valve Controller
Fluid Line Kit - 6 ft of Black $\frac{3}{8}$ " (9.5 mm) OD tubing	Air Line Kit - $\frac{1}{4}$ " (6.3 mm) OD tubing with fitting on one end
Fluid Line Kit - 6 ft of Black $\frac{1}{4}$ " (6.3 mm) OD tubing and $\frac{3}{8}$ " - $\frac{1}{4}$ " (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)
Air Filter/Regulator - 0-100 psi (0-6.9 bar)	Air Line Kit - $\frac{1}{4}$ " (6.3 mm) OD tubing

Select System Based on Fluid Package Used

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

	No Reservoir	Cartridge Drop-In				Bottle Drop-In	Pail Drop-In
		6 oz [160 mL]	12 oz [300 mL]	20 oz [550 mL]	32 oz [900 mL]	Up to 1 Liter	Up to 15 Liter Straight or Taper
							
	T20200	T20215	T20235	T20255	T20275	T20295	T20315

Representative Model 100 Dispensing System (T20295 with Bottle Reservoir Shown Below)

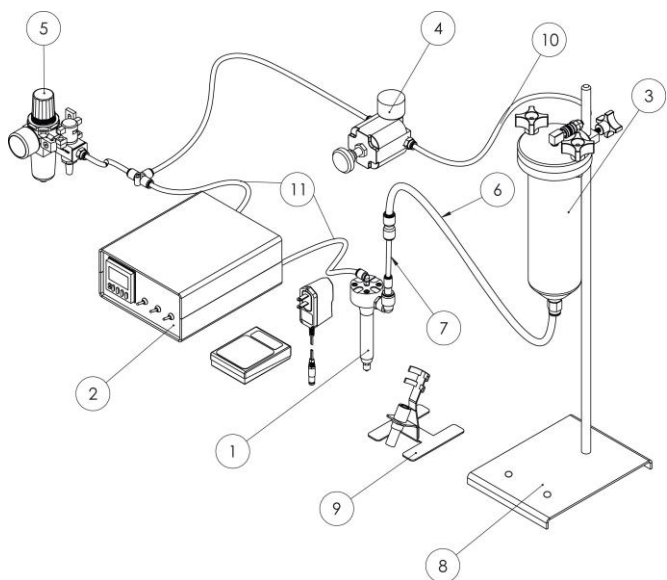


Item	Part Number	Description
1	T15217	Model 100 Diaphragm Valve
2	T11146	Model 345 Valve Controller
3	T15261	Bottle Drop-In Tank Assembly - 2 Liter with High-Precision Regulator
4	T16307	Filter Regulator
5	T16787	6 FT (1.83 m) of Fluid Line Kit - Black 3/8" (9.5 mm) OD PE
6	T16793	6 FT (1.83 m) of Fluid Line Kit - Black 1/4" (6.3 mm) OD PE
7	T15466	Valve Stand
8	T16789	Reservoir Airline Kit
9	T16786	Controller Airline Kit

System Specifications

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

Representative Model 100 Dispensing System (T20255 with Cartridge Reservoir Shown Below)



Item	Part Number	Description
1	T15217	Model 100 Diaphragm Valve
2	T11146	Model 345 Valve Controller
3	T15223	550 mL (20 oz) Reservoir
4	T16629	High-Precision Regulator
5	T16307	Filter Regulator
6	T16787	6 FT (1.83 m) of Fluid Line Kit - Black 3/8" (9.5 mm) OD PE
7	T16793	6 FT (1.83 m) of Fluid Line Kit - Black 1/4" (6.3 mm) OD PE
8	T15279	24" (60.9 cm) Lab Stand
9	T15466	Valve Stand
10	T16789	Reservoir Airline Kit
11	T16786	Controller Airline Kit

System Specifications

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

© 2011 DYMAX Corporation. All rights reserved. All trademarks in this guide, 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.

PB001EU 11/07/2011

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

DYMAX Asia
(Hong Kong) Ltd
+852.2460.7038
dymaxasia@dymax.com
www.dymax.com.cn

DYMAX Korea LLC
82.2.784.3434
info@dymax.kr
www.dymax.co.kr

