

# Model 775 Dispensing Systems

User Guide

# Contents

<b>Safety</b> .....	<b>2</b>
Using Safe Operating Pressures .....	3
<b>Configuration Overview</b> .....	<b>4</b>
<b>Key System Connections</b> .....	<b>5</b>
<b>Dispensing Tips</b> .....	<b>6</b>
<b>System Configurations</b> .....	<b>7</b>
A - Systems Using a Cartridge Retainer.....	8
B - Systems Using a Bottle Drop-In Tank.....	9
C - Systems Using a 10-Gallon Pressure Tank .....	13

# Safety

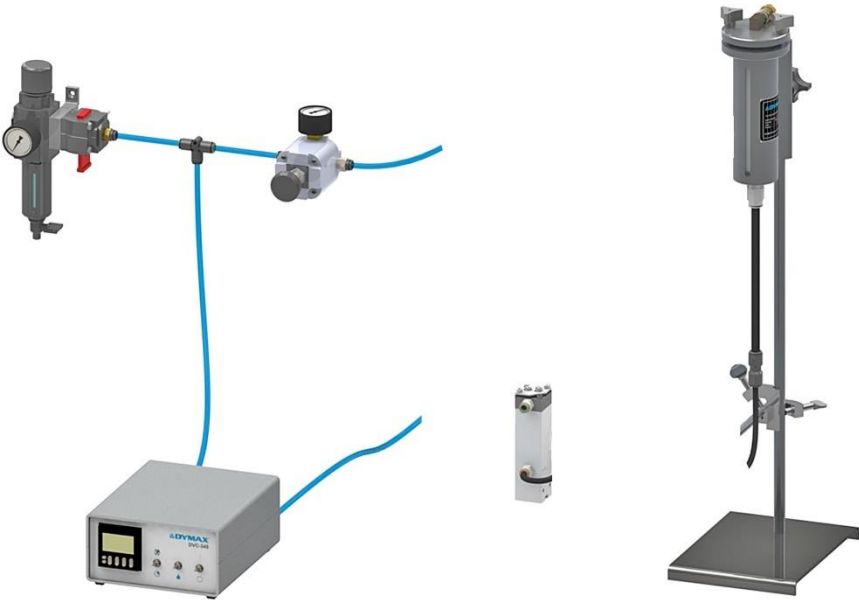
## Using Safe Operating Pressures

Pressurizing the components in the dispensing system beyond the maximum recommended pressure can result in the rupturing of components and serious personal injury. To minimize the risk of rupturing components and injury, do not exceed the maximum operating pressure of the components in your fluid dispensing system.

### Operating Specifications

- Recommended compressed air supply pressure to air filter/regulator = 60 to 80 psi (4.1 to 5.5 bar)
- Recommended pressure setting at air filter/regulator = 75 psi (5.2 bar)
- Maximum pressure setting at air filter/regulator = 100 psi (6.9 bar)
- Power required = 110V power receptacle (customer supplied)

# Configuration Overview



1

## Controls

Dymax valves and digital controller provide precise and consistent actuation.

- Pneumatic function
- Footswitch, manual, or PLC controlled
- Easy to operate
- Manual or timed dispense mode

2

## Dispensing Valve & Accessories

Dymax dispensing valves for handheld and bench-top applications deliver precision solutions for low- to high-viscosity materials. Various style tips and accessories are also available.

3

## Reservoirs

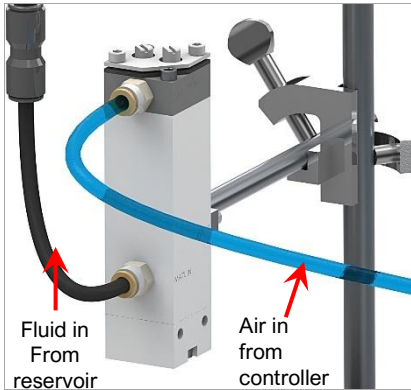
Dymax carries a variety of material reservoirs to accommodate most dispensing applications.

- Range of volumes from 6 oz. cartridges to 10-gallon pressure tanks
- Easy change-over and control

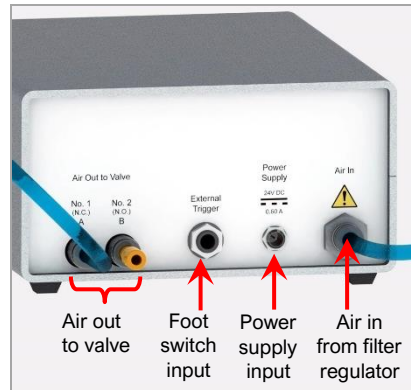
# Key System Connections

NOTE: Figures 1-4 apply to all systems.

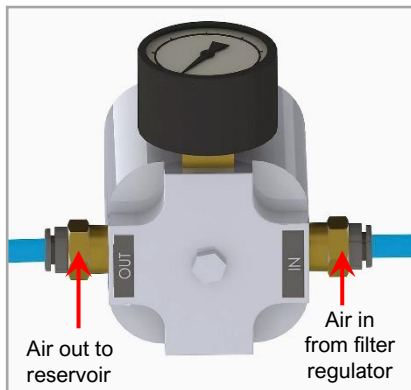
**Figure 1.**  
Valve Air & Material Connections



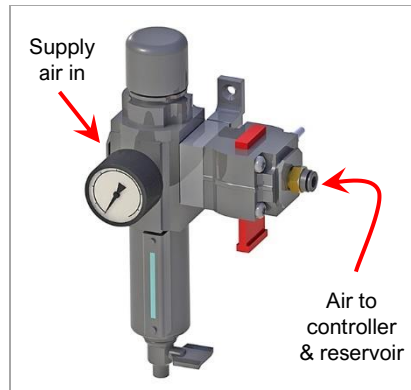
**Figure 2.**  
Controller Connections, Rear Panel



**Figure 3.**  
High-Precision Regulator Connections



**Figure 4.**  
Filter Regulator







# Dispensing Tips

A variety of both needle and taper dispense tips in various lengths, gauges, and shapes are available from Dymax. Tip selection is critical when precision is required and the length, shape, and size of the tip used will define the shape of the fluid deposit and the performance of your dispense system.

The following tips are included with this system, and are recommended for use with the Model 485 dispensing valve. Either tip kit can be used depending on the exact viscosity and application.

## **P3423** Dispensing Tip Kit for Medium- to High-Viscosity Materials (>500 cP)

<b>Part #</b>	<b>Color</b>	<b>Description</b>	
P3169	Amber	15 GA Needle Tip	
P3170	Green	18 GA Needle Tip	
P3232	Green	18 GA Tapered Tip	
P3247	Red	25 GA Tapered Tip	

Additional kits are available (sold separately) for a range of applications using lower viscosity materials.



For assistance in optimal tip selection, contact Dymax Application Engineering. Visit [www.dymax.com](http://www.dymax.com) to see Dymax's dispensing tip selection.

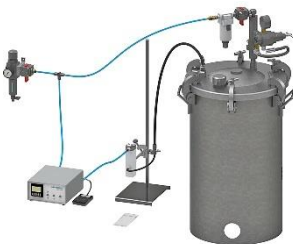
# System Configurations



**A** Systems Using a Cartridge Retainer (p. 8-9)



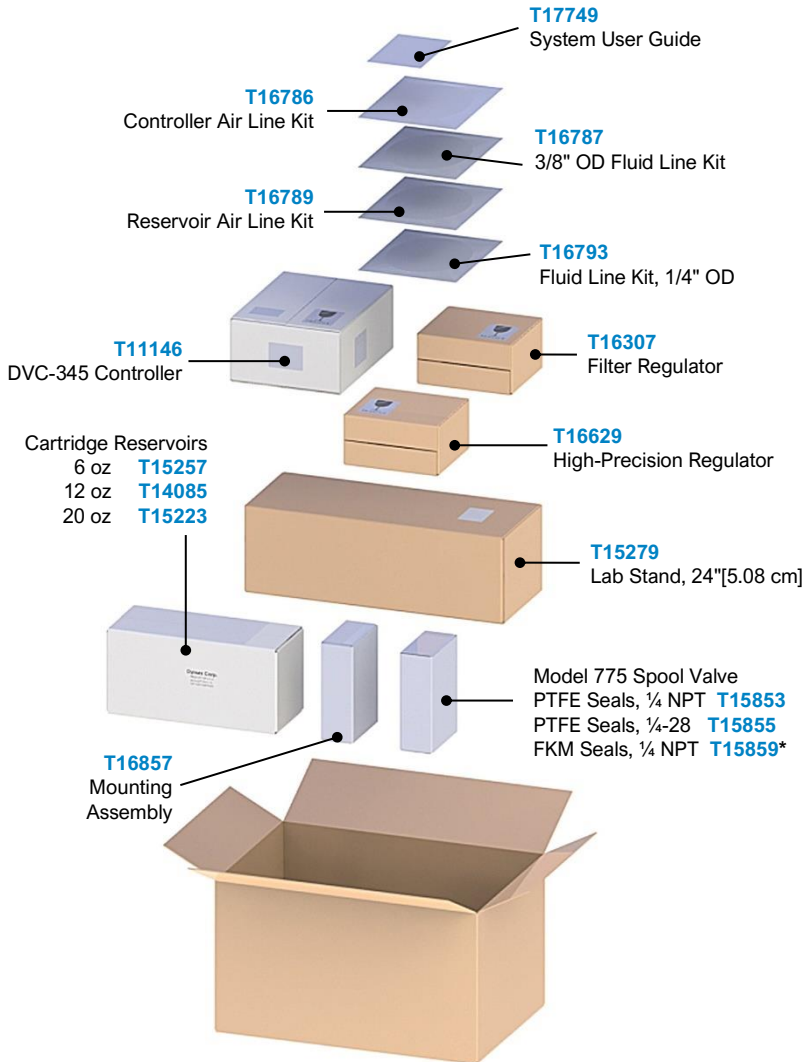
**B** Systems Using a Bottle Drop-In Tank (p. 10-12)



**C** Systems Using a 10-Gallon Pressure Tank (p. 13-15)

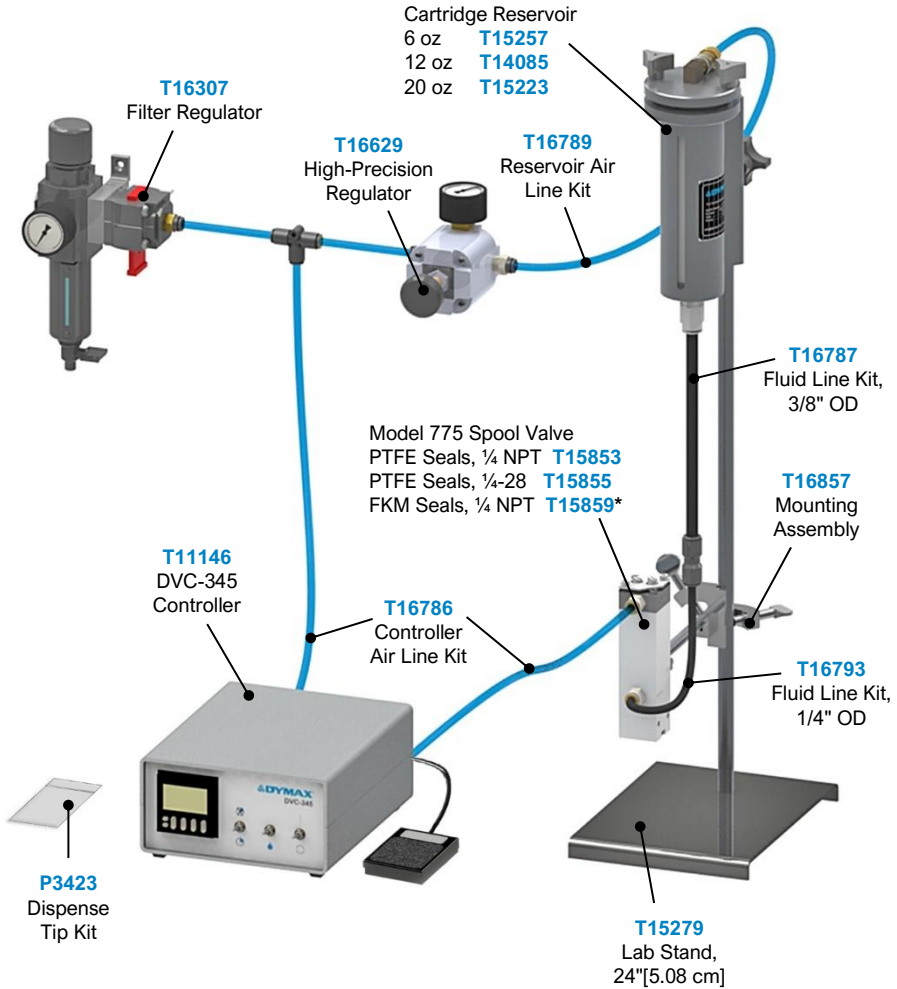
# A - Systems Using a Cartridge Retainer

## Packaged Components



\*FKM (fluoroelastomer) seals are not compatible with UV-curable adhesives

## Assembled System

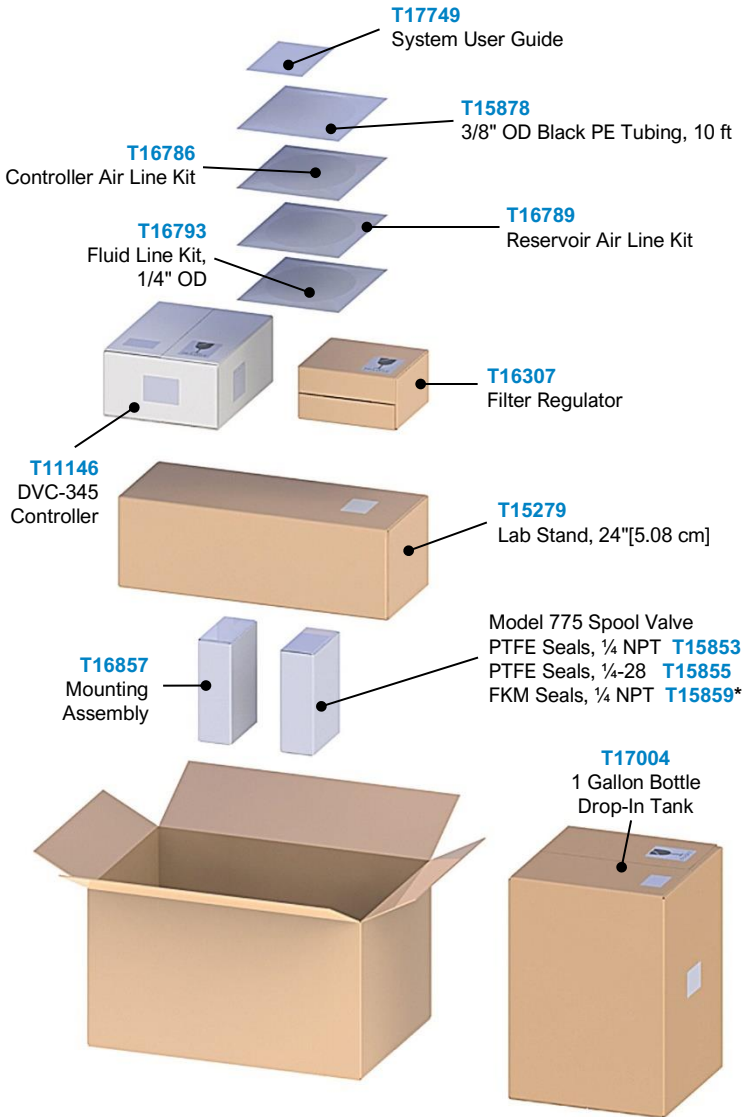


User Supplied Items	Spare Parts
60-80 psi air supply, 1/4 NPT male fitting 110V power receptacle	1/4" male to 1/4" quick-disconnect fitting

\*FKM (fluoroelastomer) seals are not compatible with UV-curable adhesives

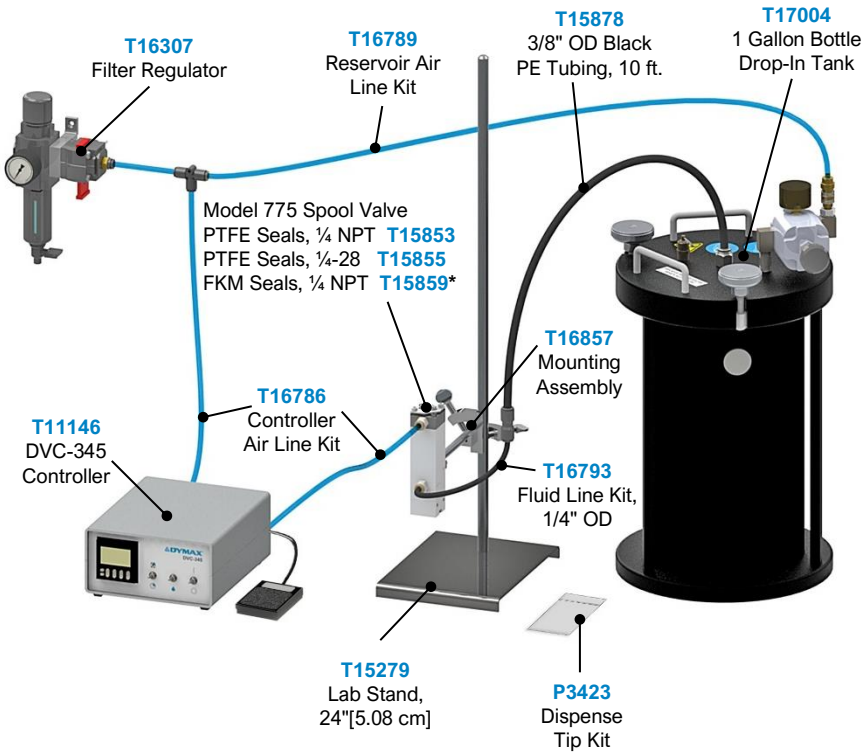
## B - Systems Using a Bottle Drop-In Tank

### Packaged Components



\*FKM (fluoroelastomer) seals are not compatible with UV-curable adhesives

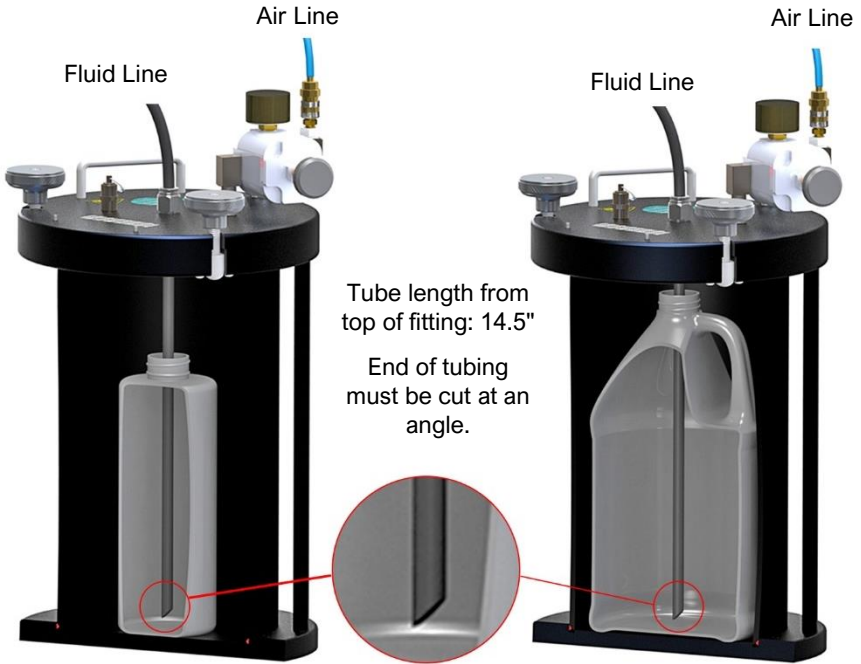
## Assembled System



User Supplied Items	Spare Parts
60-80 psi air supply, 1/4 NPT male fitting 110V power receptacle	1/4" male to 1/4" quick-disconnect fitting

\*FKM (fluoroelastomer) seals are not compatible with UV-curable adhesives

## Installing the Fluid Line to the Reservoir

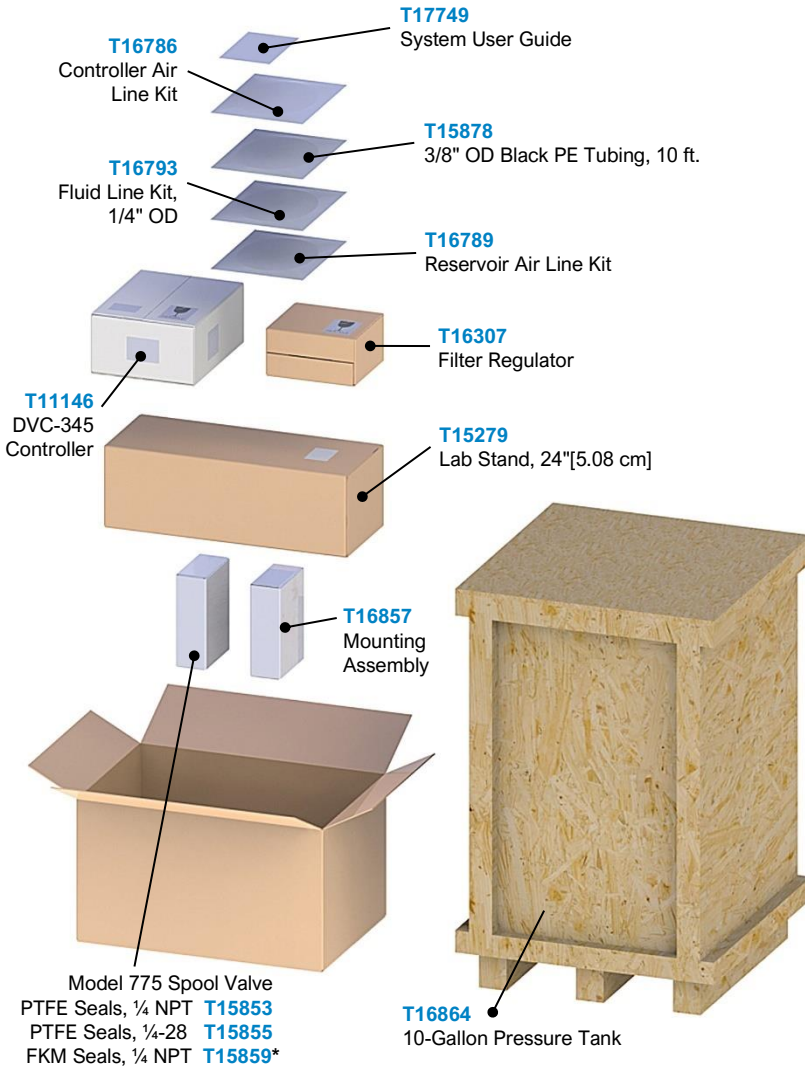


**1-Liter Bottle**

**1-Gallon**

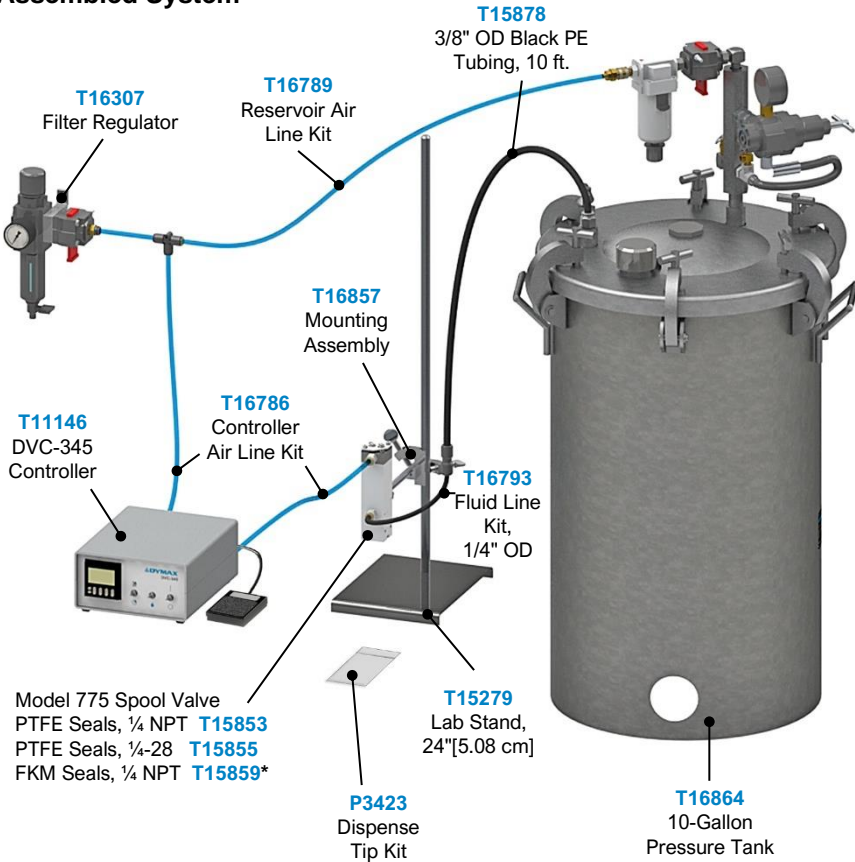
## C - Systems Using a 10-Gallon Pressure Tank

### Packaged Components



\*FKM (fluoroelastomer) seals are not compatible with UV-curable adhesives

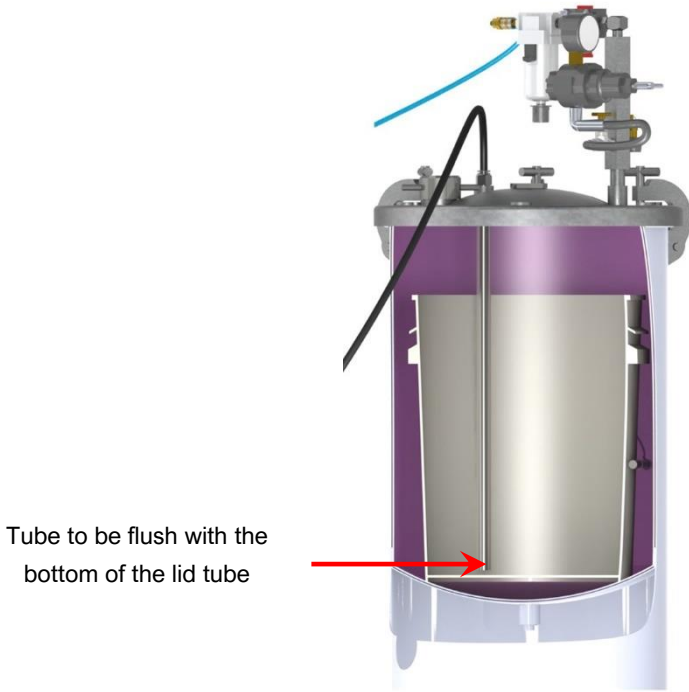
## Assembled System



User Supplied Items	Spare Parts
60-80 psi air supply, 1/4 NPT male fitting 110V power receptacle	1/4" male to 1/4" quick-disconnect fitting

\*FKM (fluoroelastomer) seals are not compatible with UV-curable adhesives

## Installing the Fluid Line to the Reservoir



**15-Liter Pail**



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

North America: +1 860.482.1010 | Europe: +49 611.962.7900 | Asia: +65.67522887

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