



Bag-In-Box Connection Kit (PN T17160)

OVERVIEW

This bulletin provides details for dispensing from Dymax 15-Liter Bag-In-Box packaging using the Dymax Connection Kit. This kit is designed to work with industry standard Pressure Tanks and provides all the parts needed to transfer the fluid from the Bag Outlet to the Fluid Outlet of your Pressure Tank.

A list of parts required, along with instructions for installation and usage, are included. Dymax provides a 10 Gallon Pressure Tank (PN T16864) proven to work with the Bag-In-Box package. Many industry standard 10 Gallon or larger Pressure Tanks will work with the Bag-In-Box package, but because tank capacities and dimensions vary, fit should be confirmed before tank selection.

PARTS LIST

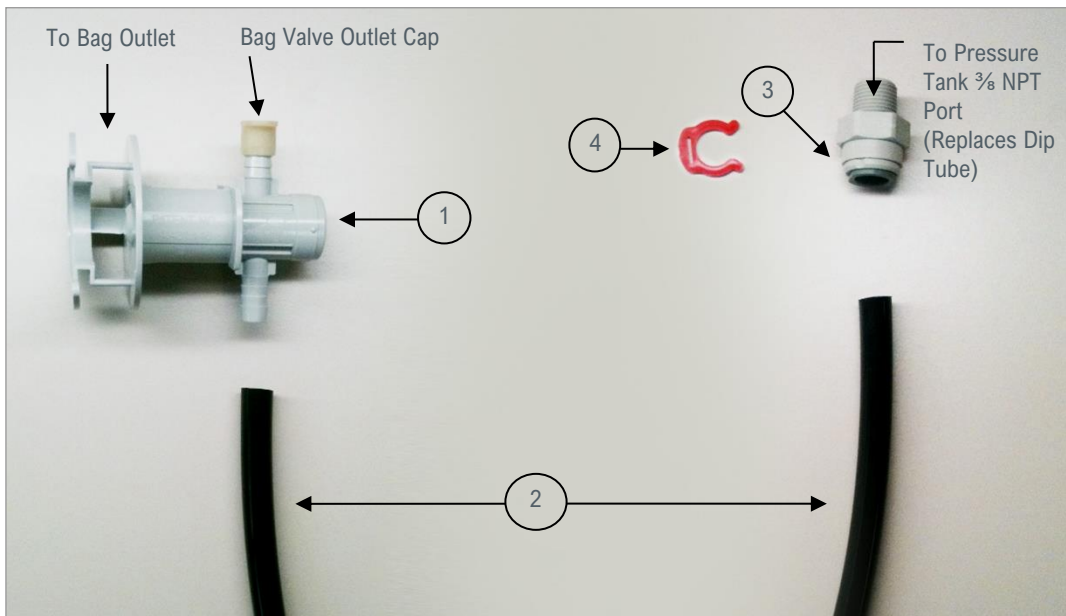


Figure 1. Bag-In-Box Connection Kit Components

Parts List for Bag-In-Box Connection Kit (PN 40384)			
Label	Part #	Qty	Description
1	T17161	1	Valve, Bag with Outlet Cap
2	T17162	1	Tubing, TPE-Lined PV, 28" Long
3	T17163	2	Fitting, Push-In, 3/8" OD, 3/8 NPT
4	T17164	2	Clip, Locking, Push-In, 1/2"

Additional Replacement Items	
Part #	Description
T17159	Tubing, TPE-Lined PV (per foot)

INSTALLATION AND OPERATION

Modifying a Pressure Tank to Accept the Bag-In-Box

A standard Pressure Tank with $\frac{3}{8}$ " NPT Dip Tube Ports must be modified to accept the Bag-In-Box.

1. Replace the standard Stainless Steel Dip Tube with a $\frac{3}{8}$ " OD $\frac{3}{8}$ " NPT Push-In Fitting (Figure 1, 3) on the inside of the tank lid.
2. Install a second $\frac{3}{8}$ " OD $\frac{3}{8}$ " NPT Push-In Fitting (Figure 1, 3) on the Pressure Tank Lid Fluid Line Outlet. This accepts a $\frac{3}{8}$ " OD Fluid Line that will deliver fluid to the Dispense Head.

Installing the Bag-In-Box into the Pressure Tank

1. Install the Bag Valve Cap onto one of the Bag Valve Barb Outlets on the Bag Valve.
2. Connect one end of the TPE-Lined Tubing (Figure 1, 2) to the uncapped Bag Valve Barb.
3. Slide and lock the Bag Valve onto the Bag Outlet.
4. While holding the open end of the Fluid Path above the top of the Bag to prevent material from flowing through the Tube, push the Bag Valve Stem into the Bag Outlet to open the Valve. Fluid may now flow from the Bag through the Valve and into the Fluid Path.
5. Place the Bag-In-Box into the Pressure Tank while still holding the open end of the Tubing above the top of the Bag.
6. Rest the Lid on the top of the Pressure Tank with the Push-In Fitting on the bottom side. Push the open end of the $\frac{3}{8}$ " OD TPE-Lined PV Tubing into the $\frac{3}{8}$ " OD Push-In Fitting and insert the Locking Clip (see Figure 2, 4) to prevent unintended tubing removal. Position the Tank Lid on the Pressure Tank and seal the Pressure Tank.
7. Set the Tank pressure as required for your application.



Figure 2. Locking Clip Installed

Dispensing from Bag-In-Box

If fluid stops flowing as the bag empties, it may be necessary to adjust the bag inside the Pressure Tank as it is possible for the bag to fold over itself, trapping material in pockets and preventing fluid from flowing freely out of the bag.