

AirPrime Conversion Kit P/N 27.005.2

Converts Manual *AirPrime* System From 1 ▶ 2 Locations

Manual *AirPrime*

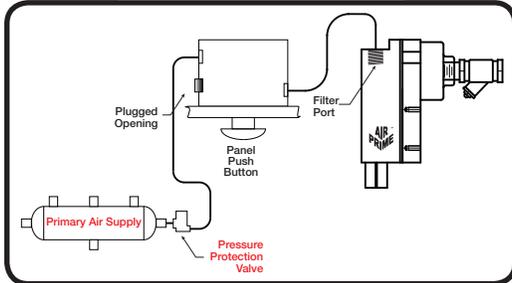


Figure 1

Conversion Kit #27.005.2



Figure 2

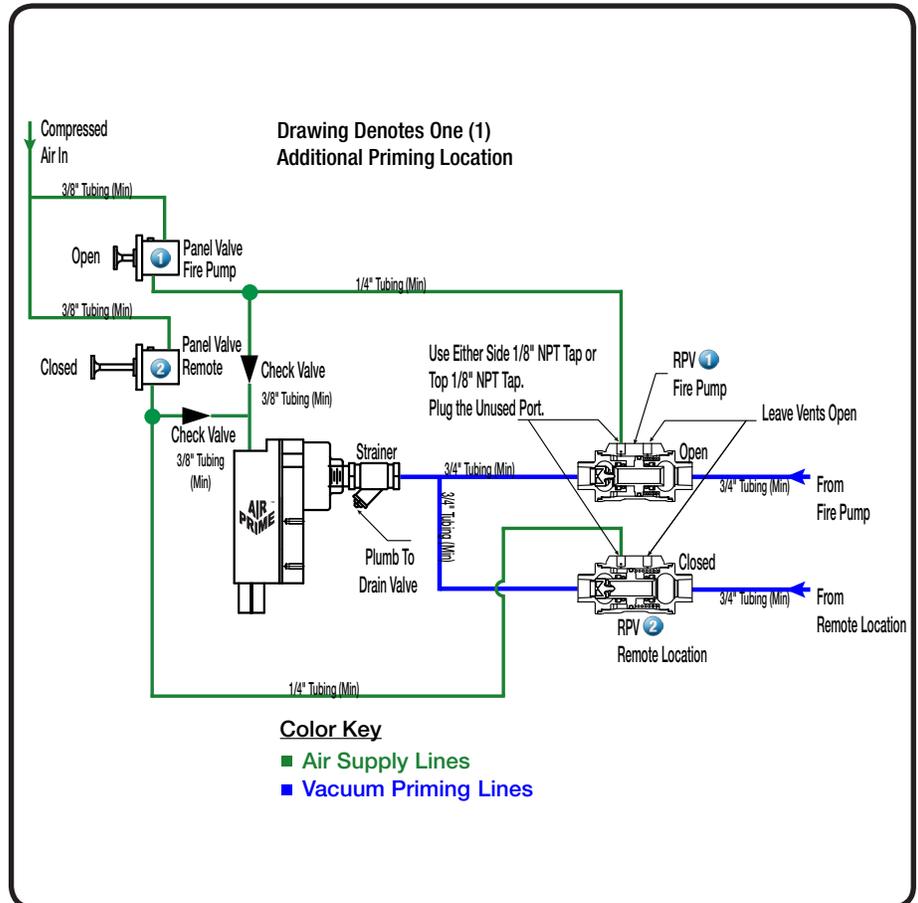


Figure 3 Multi Location

Installation Instructions

1. Find a place on the pump panel (Preferably close to the existing PUMP priming push-button) to add the second push-button for the second priming location. Use the template cut-out shown in **Figure 4** to mount the second push button to the panel. Add the appropriate gold label, from those supplied in kit, for the second priming location.
2. Locate the existing Manual *AirPrime* unit within pump enclosure. It can be found by tracing the existing air line from the PUMP primer push-button control on the pump panel to the TOP of the *AirPrime* unit (See **Figure 1**). Verify that the unit is already mounted ABOVE the highest priming point in suction piping (Including the new second priming location), if not move it higher.
3. Remove the $\frac{3}{4}$ " line attached to the WYE strainer at the *AirPrime* unit's inlet. Install a $\frac{3}{4}$ " TEE in its place and plumb the (2) RPVs as shown in the BLUE lines of **Figure 3**. Use $\frac{3}{4}$ " inside diameter non-collapsible hose for these lines. Note that flow direction arrow cast on RPVs must point toward the *AirPrime* unit. Also note the RPVs must also be mounted higher than the highest priming point in the suction plumbing.
4. Remove the existing airline and tubing fitting located on the top of the *AirPrime* unit. Add a TEE to the top of the primer and plumb the two (2) push-buttons, two (2) check valves, two (2) RPVs and airlines as shown in GREEN in **Figure 3**. Be sure air flow direction, as marked on check valves, is correct. Use a minimum of $\frac{3}{8}$ " OD tubing from the air supply to the push-buttons and from the push-buttons to the *AirPrime* unit. Use a minimum of $\frac{1}{4}$ " OD tubing for the two (2) air actuation lines to the two (2) RPVs.
NOTE: All tubing shall be rated for air brake usage and be installed in a manner free from kinks and to avoid sharp edges.

Installation Notes for Multi-Location Priming Systems

1. Manual System: Follow the instructions shown in **Figure 4** for mounting the additional control on the pump panel.
2. Manual System: Refer to schematic in **Figure 3** on Page 1 for air and suction plumbing.
3. For the additional priming location, mount a push-button control as shown in **Figure 5**.
4. Gold labels are provided for LEFT, RIGHT, FRONT, REAR remote priming locations as shown in **Figure 2** on Page 1.
5. See **Figure 6** and **Figure 7** to note "arrows" on the Check Valves and RPVs are in the proper flow direction.

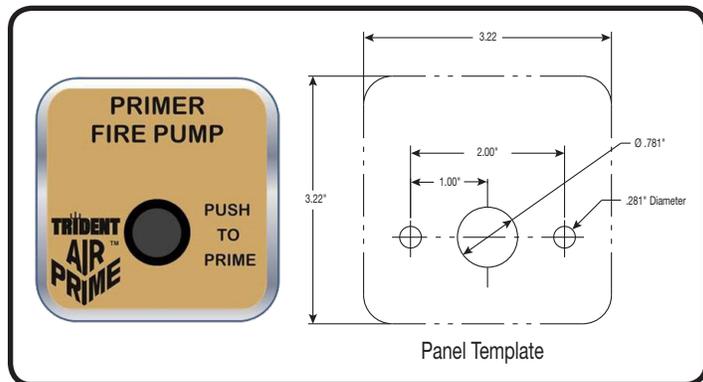


Figure 4



Figure 5

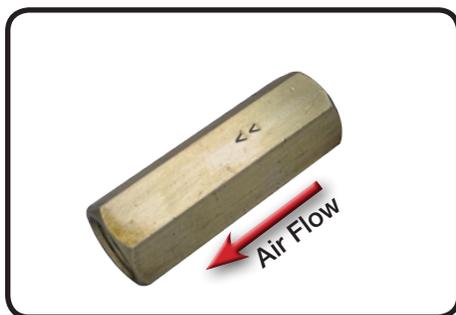


Figure 6



Figure 7