

AirPrime Conversion Kit P/N 27.005.1

Adds Additional Multi *AirPrime* Location: From 2 ▶ 3 or 3 ▶ 4

Manual *AirPrime*

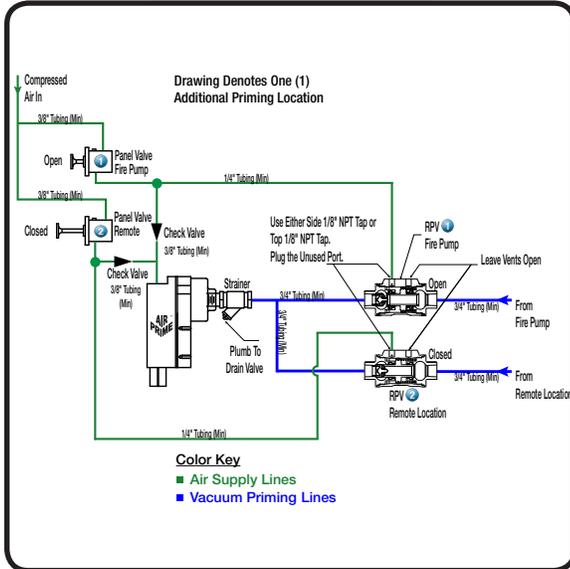


Figure 1

Conversion Kit #27.005.1

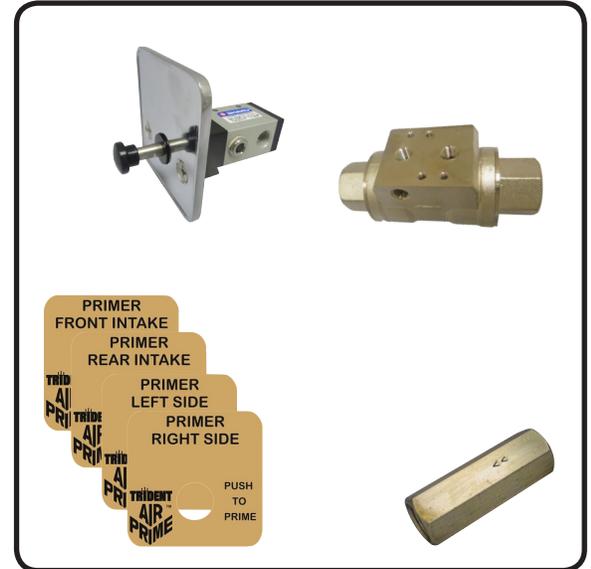


Figure 2

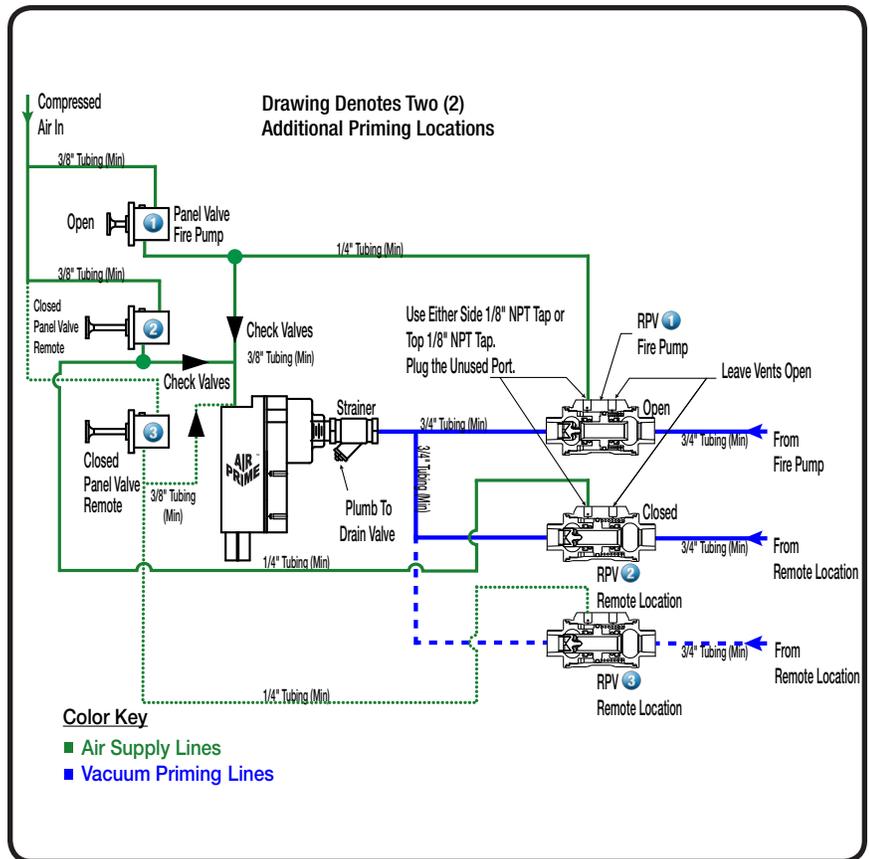


Figure 3 Additional Location Added

NOTE: This kit may be used with Manual or Automatic installations. The schematics on Page 1 show the Manual System.

Installation Instructions

1. Find a place on the pump panel (Preferably near to the existing priming push-button/s) to add the additional push-button for the new priming location. Use the template cut-out shown in **Figure 4** to mount the additional push button to the panel. Add the appropriate gold label, from those supplied in kit, for the additional 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 priming location), if not move it higher.
3. Remove the 3/4" line attached to the WYE strainer at the *AirPrime* unit's inlet. Install an additional 3/4" TEE in its place and plumb all the RPVs as shown in the Dashed BLUE lines of **Figure 3**. Use 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 an additional TEE to the top of the primer and plumb the push-button, check valve, RPV and airlines as shown in Dotted GREEN lines in **Figure 3**. Be sure air flow direction, as marked on check valves, is correct. Use a minimum of 3/8" OD tubing from the air supply to the push-button and from the push-button to the *AirPrime* unit. Use a minimum of 1/4" OD tubing for the air actuation lines to the RPV.

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. Follow the instructions shown in **Figure 4** for mounting the additional control on the pump panel.
2. 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.

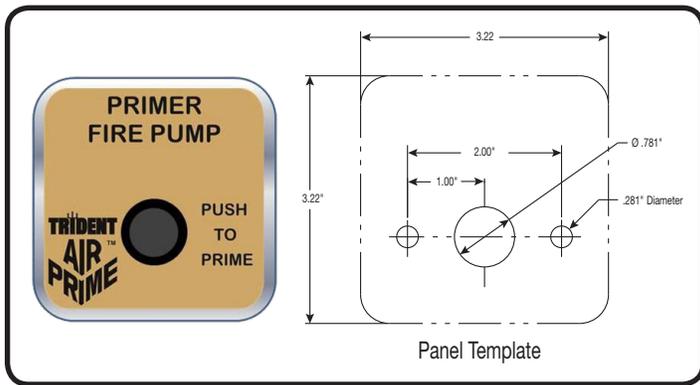


Figure 4



Figure 5



Figure 6



Figure 7