

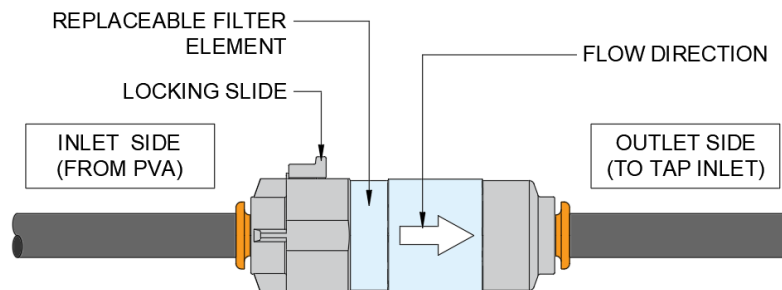
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**TECHNICAL NOTE**


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**IN-LINE FILTER FOR TRUE ADVANCED PURGE™**

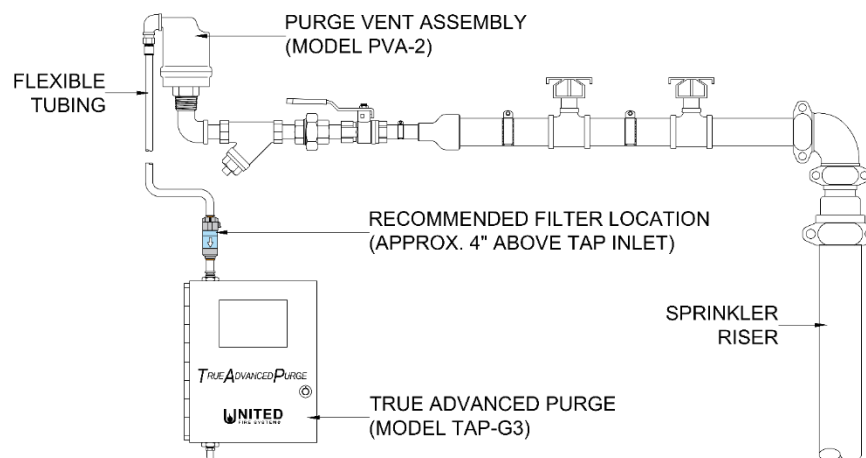
To help prevent issues with **TRUE ADVANCED PURGE™ (TAP)** devices, **UNITED Fire Systems** now provides an in-line air filter to reduce debris in the tubing line from the **Purge Vent Assembly Model PVA-2** from contaminating the **TAP** device. The filter is lightweight and compact, and the flexible mounting orientation makes it easy to install the filter in the tubing line. The filter should be installed at the time of system installation. Filters are also available from **UNITED Fire Systems** to retrofit existing installations.



**Figure 1 – Filter UFS P/N: 30-50002-010**

**INSTALLATION**

1. Refer to **Figures 1 and 2**. Note the orientation of the flow direction arrow on the body of the filter.
2. Use an approximately 4 inch long section of flexible tubing to attach filter outlet to the **TRUE ADVANCED PURGE™** device inlet. Push tubing firmly into the push-in connectors until the tubing bottoms. Gently pull on the tubing to ensure the connector has secured the tubing.
3. Attach tubing from the **Model PVA-2 Purge Vent Assembly** to the filter inlet.



**Figure 2 – Recommended Filter Installation Location**

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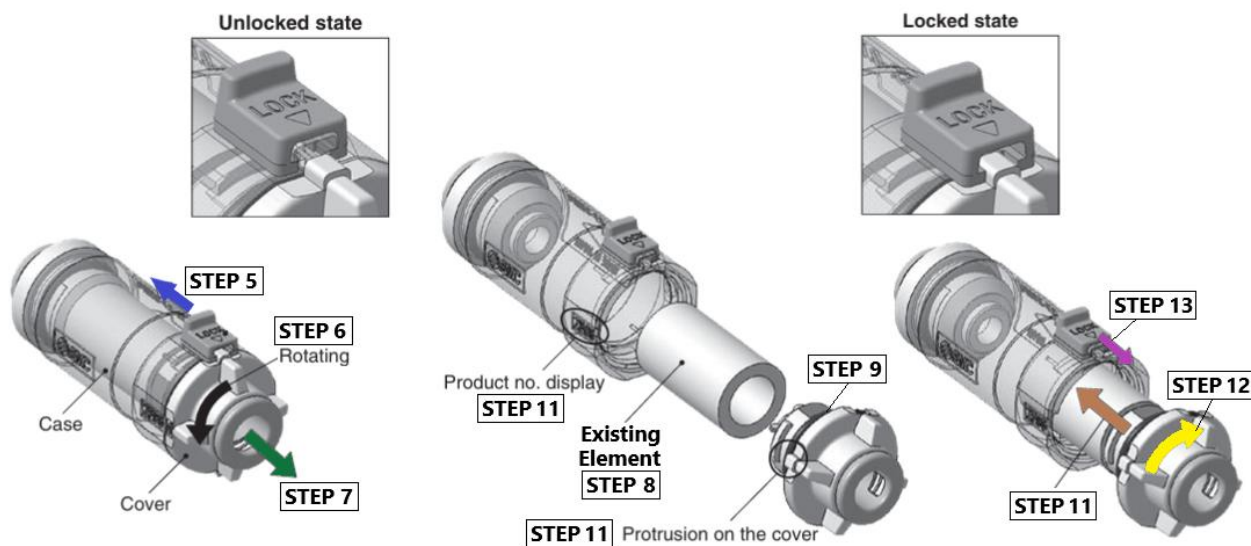
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**MAINTENANCE**

**UNITED Fire Systems** recommends replacement of the filter element at regular intervals to avoid a **LOW PRESSURE** fault from a clogged filter. To replace the filter element, refer to **Figure 3** and follow these steps:

1. Have the new filter element (**UFS P/N 30-500002-011**) available.
2. Close the shutoff valve on the **Model PVA-2 Purge Vent Assembly**.
3. For systems using a **Model TAP-G3**, operate function button F2 to enter **PURGE** mode.
4. After a minimum of one (1) minute, proceed with filter element change.
5. Refer to **Figure 3**. On the filter housing, identify the lock mechanism. To release the lock, slide the lock mechanism in the direction of the **BLUE** arrow.
6. Rotate the cover in the direction of the **BLACK** arrow.
7. Pull the cover away from the case in the direction of the **GREEN** arrow.
8. Remove the existing filter element. Gently remove any remaining dust and debris from within the case.
9. Examine the O-ring on the cover for damage. If O-ring is damaged, replace the entire filter assembly.
10. Insert the new filter element into the cover.
11. Align the protrusion on the cover with the product no. display on the body, and insert the cover and filter element into the case in the direction of the **BROWN** arrow.
12. Rotate the cover in the direction of the **YELLOW** arrow until it stops.
13. Slide the lock mechanism in the direction of the **PURPLE** arrow until it stops. Check that the cover is tightly connected to the case.
14. Open the shutoff valve on the **Model PVA-2 Purge Vent Assembly**.
15. Operate function button F1 on the **Model TAP-G3** to return to **NORMAL** mode.



**FIGURE 3: FILTER ELEMENT MAINTENANCE  
(REPLACEMENT ELEMENT UFS P/N: 30-500002-011)**

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