

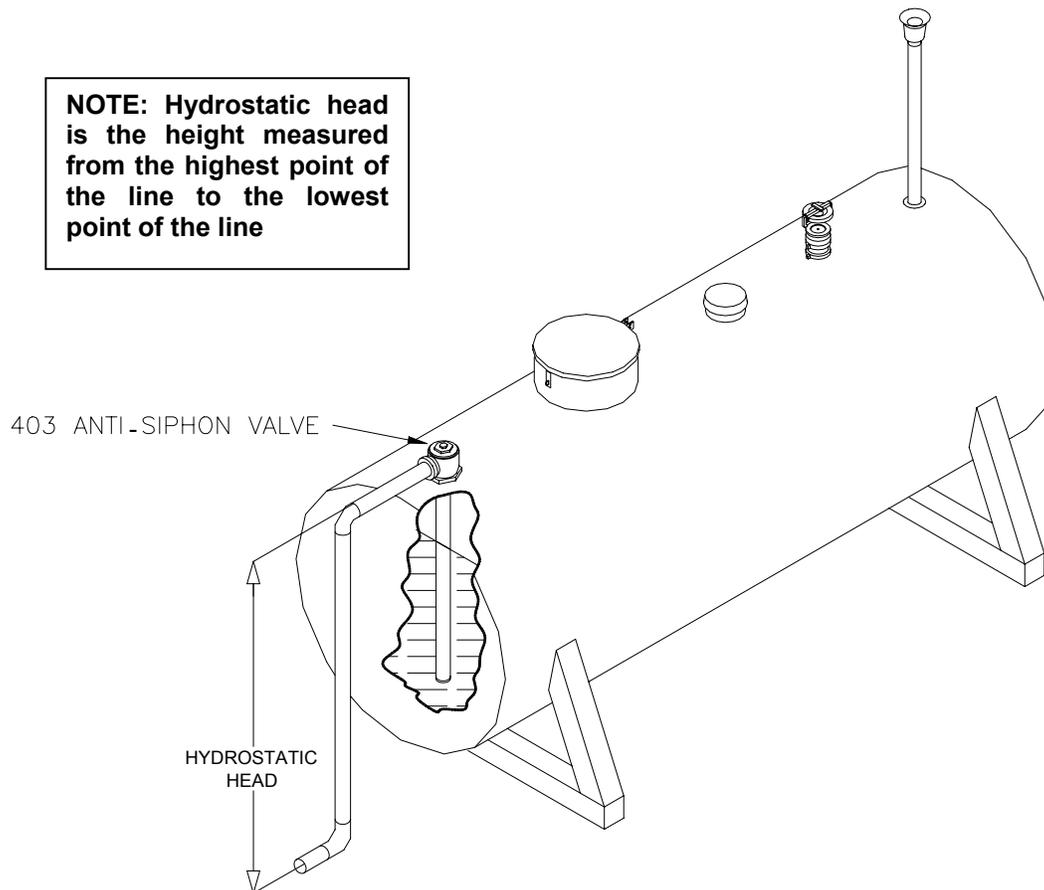
# INSTALLATION INSTRUCTIONS

## ANTI-SIPHON VALVE MODEL # 403

The Universal's Model #403 is used to reduce fire hazards and prevent fuel spillage in above ground storage tanks. Should the line rupture, the #403 stops the effect of fuel being siphoned out of the tank, preventing spillage in the surrounding area.

The Universal's Anti-Siphon Valve is also available with pressure relief, which relieves thermal expansion in the line back to the tank. Specify #403PR when ordering the Pressure Relief Anti-Siphon Valve.

**The #403 is only recommended for above ground tanks with top discharges as shown in the figure below. The springs are designed for hydrostatic heads: 1-5', 6-10', 11-15', or 16-20'.**



### ***Proven Performance***



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**Model 403 Anti Siphon Valve  
Internal Spring Instructions**

1. Drain system (lose prime).
2. Remove Top cover of the valve. *Caution! Do not loosen Brass Nut on top of valve. This is **not** an adjustment pot, but rather a poppet shaft guide.*
3. Determine the height of the system and the appropriate spring for the system. (*refer to Color Coded Spring Guide*)
4. When the correct spring is determined place spring over poppet shaft.
5. Apply pipe dope to the threads of the Top cover.
6. Carefully place Top cover, being attentive to place brass poppet guide over poppet shaft while tightening Top down.
7. Tighten with pipe wrench after making sure pipe dope is used to retain airtight seal.
8. Prime system and test.

New 403 Color Coded Spring Guide

1 ½"	0-5 ft.	<b>White</b>	2"	0-5 ft	<b>Red</b>
1 ½"	6-10 ft.	<b>Yellow</b>	2"	6-10 ft	<b>Orange</b>
1 ½"	11-15 ft.	<b>Green</b>	2"	11-15 ft.	<b>Black</b>
1 ½"	15-20 ft.	<b>Blue</b>	2"	16-20 ft.	<b>Gray</b>

**Note: For the 403 anti-siphon valve 1" and ¾" versions use the same springs as the 1 ½" version.**