

PERKO®

Aftermarket Only Special Application "In-Hose" Surge Protector Fig. 29685 Installation Instructions

PLEASE READ ALL INSTRUCTIONS BEFORE PROCEEDING

These surge protectors are designed to reduce or prevent wellback and spitback of fuel via the vent line while and immediately after refueling. They can also be used in conjunction with additional tank valves & stanchion tubes in fuel systems designed to meet the EPA standards (July 31, 2011) for 40 CFR Parts 9, 60, 80 et al. (Control of Diurnal Emissions From Nonroad Spark-Ignition Engines and Equipment).

This surge protector has been designed for use with plastic or metal tanks. **The surge protector is designed to reduce or eliminate a reverse flow of fuel (wellback and spitback) from the fuel tank to the fuel fill or vent via the vent line.** It can **only** be used with standard 5/8" fill hose vent line and a maximum refueling rate of 18 gallons per minute.

Installation should be done by a qualified marine mechanic.

To install:

- 1) The surge protector must be positioned within 30 degrees of true vertical.
- 2) Prior to removing hose, mark the position of the end of the hose on the fill hose vent line nipple.
- 3) Loosen hose clamps and disconnect the vent line hose from the fill vent line nipple.
- 4) Insert the valve into the 5/8" hose (open end first) until at least 1/2" of fill hose extends beyond the valve.
- 5) Re-attach vent line hose by pushing onto the vent line nipple until the hose reaches the original marked position.
- 6) Tighten, using hose clamps in accordance with ABYC Fuel System Vent Hose Clamping Standards.
- 7) Pressure test for leaks in accordance with ABYC H-24.

Diagram 1

