DN50 Overfill Protection Valve for Steel Tanks

CONFIG 1
AOFILL.M

CONFIG 2
AOFILL.P

Performance Data

Max Pressure	8 Bar
Min Pressure	0.15 Bar
Max Pressure Spike	12 Bar
Max Flow	>580lpm
Min Flow	<23lpm
Leak Rate When Closed	<2.5lpm

Installation Instructions

Metal Tanks - Use Filstop in configuration 1, without flange & Shaft Seal.

1. Ensure tank has a 2" BSP Female Parallel Thread in its upper surface, and does NOT have an internal fill pipe.

2. Check that the float mechanism on the bottom of the Filstop moves smoothly in and out of the guide (total travel 6mm), if it feels dry, lubricate with oil prior to installation. If it is seized then the product may have been damaged in transit, in this case return to supplier.

3. Having assembled the supplied installation tool, lubricate the threaded tank fitting and begin to thread the Filstop down into it, if the Filstop becomes hand-tight before it reaches its final location, use the installation tool by locating it into the milled recesses in the Filstop inlet.

4. Once the Filstop reaches its final position, use a nut / suitable threaded fill-point adaptor to finish off the installation.

IMPORTANT: The Filstop must be screwed down to a position where the flow ports in its body are not obscured by the tank thread, or any part of the tanks construction, otherwise this will impair flow rate, or prevent the tank from being filled.

Plastic Tanks - Use Filstop in Configuration 2, with Shaft Seal fitted, and Flange screwed (and glued) on securely.

1. A 62mm Diameter hole in the tanks upper surface will be required to facilitate the Filstop, a manhole will also be required to gain access to the underside of the hole.

2. Check that the float mechanism on the bottom of the Filstop moves smoothly in and out of the guide (total travel 6mm), if it feels dry, lubricate with oil prior to installation. If it is seized then the product may have been damaged in transit, in this case return to supplier.

3. Insert the assembled Filstop up into the 62mm hole from inside of the tank via the manhole.

4. Using the supplied 2" Nut, screw this down onto the exposed thread above the tanks surface, and using a spanner, tighten the nut so that the pointed studs on the flange penetrate into the tanks inner surface and prevent the Filstop body from spinning. The Remaining thread should be long enough to use as the fill-point, otherwise use a suitable adaptor to finish off the installation.

ONCE INSTALLED, AFFIX RED OPERATING LABEL NEAR THE FILL POINT TO ALERT ANY FILLING PERSONNEL TO THE PRESENCE OF THE VALVE, AND OPERATING INSTRUCTIONS.

Operation.

1. Connect tankers filling hose to Filstop, ensuring a secure fit.
2. Commence Filling.
3. As the tanks maximum capacity is reached, the Filstop will close the inlet of the tank, preventing the tank from being overfilled. If the tank is filled to the point where the Filstop closes, isolate the delivery line, switch off the pump, and allow the Filstop sufficient time to relieve pressure from the delivery hose, once pressure drops the Filstop will open and drain the contents of the delivery hose into the tank.
4. Disconnect filling hose.

WARNING – THIS OVERFILL LIMITER WILL ONLY OPERATE CORRECTLY WITH CLEAN FUEL. ANY FOREIGN BODY OR OTHER PARTICLES IN THE FUEL MAY CAUSE THE VALVE TO FAIL. FAILURE CAUSED BY CONTAMINATION IS NOT COVERED BY MANUFACTURERS WARRANTY