

# LG100

How it Works

## Stage One

Venting tank fuel is deflected by the flow diverter and fuel is directed down to the drain ports. Air is allowed to bypass and continues to travel up and out.

## Stage Two

Fuel defoams through a fine wire mesh screen which filters out large contaminants. Under the screen, the fuel collects temporarily until it can flow back down to the fuel tank.

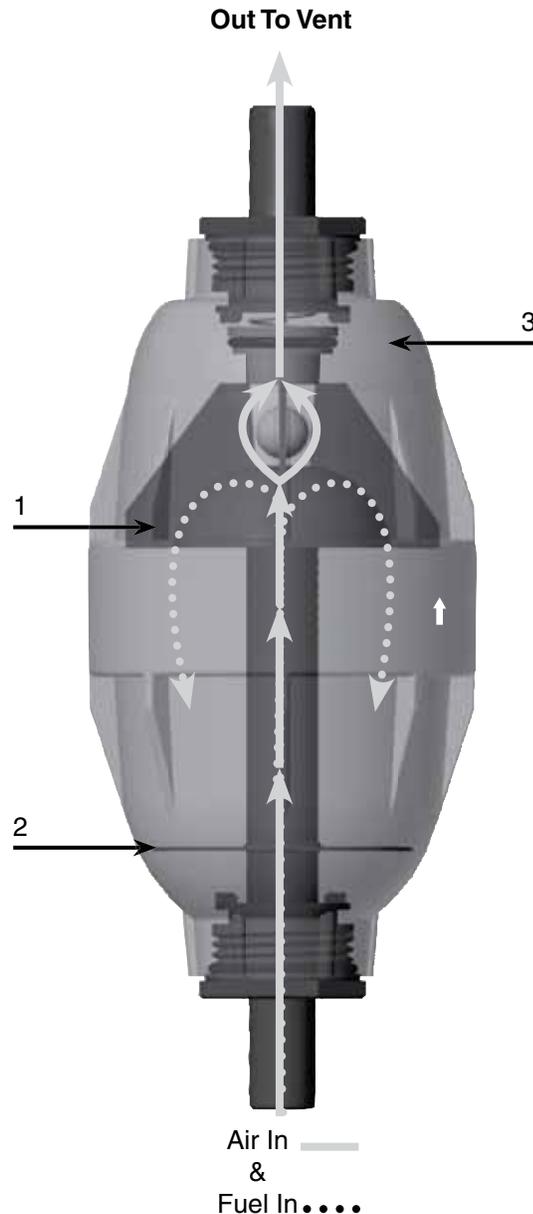
## Stage Three

Vapor collects on the interior surfaces and coalesces. The fuel returns downward by gravity and air continues up and out of the unit.

The safety relief valve includes a floating check ball which will not permit a large in-rush of fuel to bypass. In the event of internal pressure reaching 2.4 PSI (0.17 bar), the spring will compress and open the safety seat.

## Troubleshooting

Inspect the fuel system components and overboard vent annually. In the event of severe fuel tank biological or environmental contamination, the unit may be fouled and require inspection or cleaning. Also, flying insects are known to build nest in vent ports which may obstruct the escaping vapors. These situations may be evident by loss of power while underway or premature tripping of the fuel nozzle automatic shut-off during refueling.



# LG100 Installation

