



Franklin Fueling Systems

SERVICE STATION HARDWARE

# DEFENDER SERIES™ OVERFILL PREVENTION VALVE

In an industry of increasing complexity wouldn't it be nice if someone started making things **simpler for you**? The revolutionary Defender Series™ overfill prevention valve gives you a single solution for all fuel types, all applications, and makes elaborate installation and testing procedures a thing of the past.

**Sound simple enough?**



# THE BEST DEFENSE IN OVERFILL PREVENTION...

The Defender Series™ overfill prevention valve (OPV) has one job - protect you from overfills. The way we go about doing that involves some of the industry's most exciting technology packaged into a simple-to-install, simple-to-maintain device. Check out these unique features found only on the Defender Series™ OPV.



## ELIMINATE LEAK POINTS

The revolutionary magnetically-coupled actuator system allows the Defender Series™ OPV to achieve positive shutoff without a single penetration in the valve body.

## HIGHLIGHTS

- The absence of body penetrations in the OPV eliminates potential leak paths for escaping vapors.
- Every unit is factory tested for 100% vapor tightness to ensure a clean, fugitive emission-free forecourt.
- With increasing vapor recovery regulations around the world, the Defender Series™ OPV will have you ready for compliance.



## SIMPLE INSTALLATION

Gone are the days flaring, riveting, and epoxying drop tubes on site. The Defender Series™ OPV utilizes a error proof roll-crimp and thread installation method to achieve a perfectly in-line installation.

## HIGHLIGHTS

- A special, double O-ring top adapter is used to attach the drop tube for easy installation without any drilling, riveting, epoxy or flaring tools.
- A perfectly in-line assembly installs smoothly into the riser and can be easily removed for maintenance.
- With threaded top and bottom drop tube installation, damaged drop tubes can easily be replaced without having to purchase an entirely new assembly.



## HIGH OR LOW FLOW

Minimal flow path obstructions accommodate high flow drops while the magnetically-coupled actuator system also provides reliable positive shutoff for low flow drops.

## HIGHLIGHTS

- The Defender Series™ OPV accommodates a broad range of flow rates from 25 gpm to 370 gpm (95 lpm to 1,400 lpm).
- In high flow applications, the actuator system will hold the flapper in place, only releasing it into the flow of fuel once the float has risen to generate positive shutoff.
- In low flow applications, the actuator system will assist by kicking the flapper out into the flow of fuel to generate positive shutoff.



## REMOTE TESTING

The magnetically-coupled actuator system along with the testing tool allows for primary functionality testing of the OPV without having to remove the entire assembly from the riser.

## HIGHLIGHTS

- The remote testing tool will actuate the flapper when inserted down the drop tube and slid by the actuator - this is confirmed visually through a window in the tool.
- To accommodate varying tank sizes, the testing tool handle is segmented into six sections for customization up to 11 feet (3.35 meters) in length.
- Fast visual inspection can be conducted by a single person.



## COMPLETELY VERSATILE

The Defender Series™ represents our most versatile offering of OPVs to date with more approvals and capabilities per model as well as simpler ordering options.

## HIGHLIGHTS

- Each model is designed to meet all major approvals and global performance requirements.
- Alcohol, gas, and biofuel (E-85, gasoline and biodiesel) compatible models come with hard coated anodized drop tubes for full compatibility.
- For use in direct and remote gravity drop applications with models for coaxial applications.



A Franklin Fueling Systems Brand

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