

SPECIFICATIONS CONTINUED

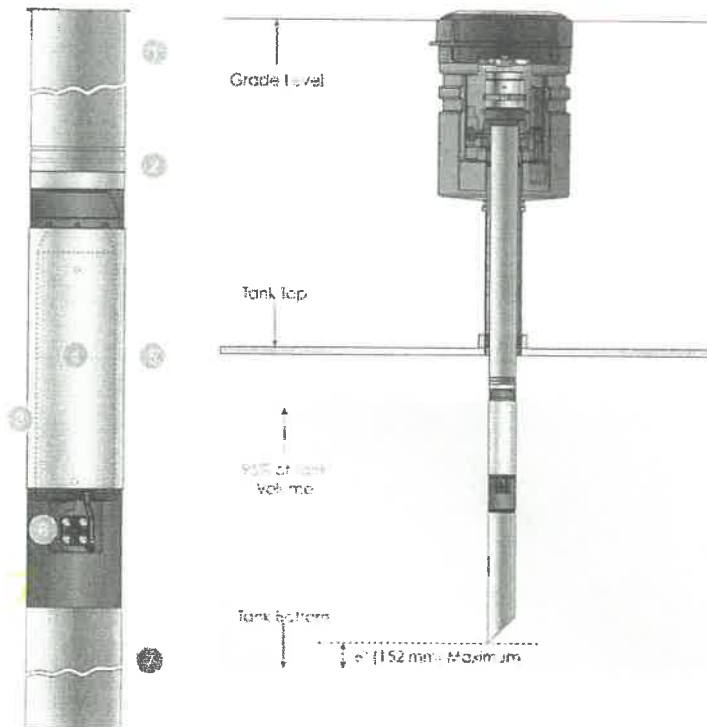
Components

- ① Pre-flanged aluminum top drop tube
- ② Roll-crimped top fitting/drop tube
- ③ Protective float sleeve
- ④ Float (shielded by float sleeve)
- ⑤ Valve assembly
- ⑥ Magnetically-coupled actuator
- ⑦ Threaded bottom drop tube

Operation

The OPV is designed with a primary shutoff that will activate between 85% and 92% of tank volume, depending on tank size. After the primary shutoff is actuated the flow through the valve is limited to less than 8 gpm (30 lpm). A secondary positive shutoff will occur at 95% tank volume if filling continues.

As the liquid level in the tank rises, it raises a float. As the float rises it actuates the external/internal magnetic couplers which release the flapper to be closed by the flow of product. As the float continues to rise, the internal mechanism pushes the flapper further into the product flow to allow actuation at high or low flow rates. This sudden reduction in flow caused by the primary flapper closing creates "line shock" to the fill hose which signals the delivery driver that the tank is nearing capacity. As the float continues to rise to the 95% fill level, the secondary closes, completely stopping the flow of fuel.



ORDERING INFORMATION

Model	Description
708591901	Defender Series® overfill prevention valve with 5' (1524mm) top drop tube, 8' (2438mm) bottom drop tube
708591902	Defender Series® overfill prevention valve with 5' (1524mm) top drop tube, 10' (3048mm) bottom drop tube
708591921	Defender Series® overfill prevention valve with 5' (1524mm) top drop tube, 8' (2438mm) bottom drop tube, AGB compatible*
708591922	Defender Series® overfill prevention valve with 5' (1524mm) top drop tube, 10' (3048mm) bottom drop tube, AGB compatible*
708592901	Defender Series® overfill prevention valve with 10' (3048mm) top drop tube, 8' (2438mm) bottom drop tube
708592902	Defender Series® overfill prevention valve with 10' (3048mm) top drop tube, 10' (3048mm) bottom drop tube
708592921	Defender Series® overfill prevention valve with 10' (3048mm) top drop tube, 8' (2438mm) bottom drop tube, AGB compatible*
708592922	Defender Series® overfill prevention valve with 10' (3048mm) top drop tube, 10' (3048mm) bottom drop tube, AGB compatible*
708593901	Defender Series® overfill prevention valve, coaxial with 6.5' (1981mm) top drop tube, 8' (2438mm) bottom drop tube
708593902	Defender Series® overfill prevention valve, coaxial with 6.5' (1981mm) top drop tube, 10' (3048mm) bottom drop tube
708593923	Defender Series® overfill prevention valve, poppeted coaxial with 6.5' (1981mm) top drop tube, 8' (2438mm) bottom drop tube*
708593924	Defender Series® overfill prevention valve, poppeted coaxial with 6.5' (1981mm) top drop tube, 10' (3048mm) bottom drop tube*
708594901	Defender Series® overfill prevention valve only with top adapter, AGB compatible*
708594902	Defender Series® overfill prevention valve only with coaxial top adapter, AGB compatible*
708556901	Defender Series® remote fill splice kit
708535901	Roll crimping tool
708530930	Replacement roll crimper tool roller bit for retrofit with existing tool
708534901	Remote testing tool, 11' (3353mm) long sectional/collapsible

*Alcohol, gas, biofuel compatible (E-85, gasoline and biodiesel) models come with hard coated anodized drop tubes for full compatibility.



Franklin Fueling Systems

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