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Defender Series®

Overfill Prevention Valve



The Defender Series® Overfill Prevention Valve (OPV) prevents the overfill of an underground storage tank during a gravity-fed product delivery. It employs a revolutionary magnetically-coupled actuator system to provide positive shutoff. This unique method of shutoff eliminates any penetrations in the valve, making it both vapor and leak tight. This also allows for remote compliance testing of the primary functionality at grade level without having to remove the OPV from the tank.

HIGHLIGHTS

SPECIFICATIONS

ORDER INFO

PARTS/ACCESSORIES

DOWNLOADS

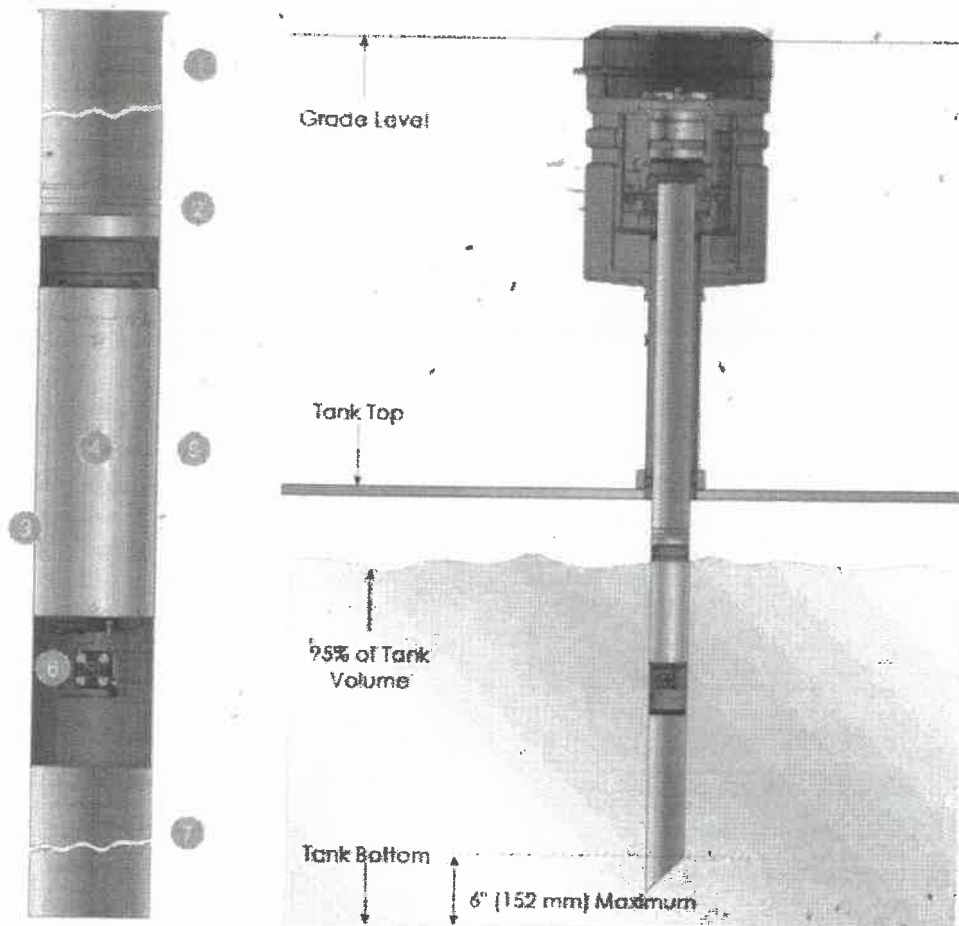
Approvals/Certifications

- CARB certified, VR-101-U (FFS) and VR-102 (OPW®).
- ATEX 2014/34/EU approved.
- EN13616 certified.
- KIWA BRL-K636/03 certified.

- For all vapor control and liquid control products covered by UL 2583 automotive fuels, only those fuels formulated in accordance with 40CFR80, "Regulation of Fuels and Fuel Additives," and meeting the following ASTM fuel specifications and blend limits:
 - ASTM D975 diesel with or without biodiesel blends up to 5% (B5)
 - ASTM D7467 diesel with biodiesel blends between 6% - 20% (B6 - B20)
 - ASTM D4814 gasoline with ethanol blends up to 10% (E10)
 - ASTM D4814 and ASTM D5798 mid-range ethanol/gasoline blends of (E11-50)
 - ASTM D5798 high-range ethanol/gasoline blends (E51-83)-Commercially sold as E85
 - Isobutanol Fuel Blends (max iBu16) of ASTM D4814 Gasoline (E0) and ASTM D7862 Butanol (2-methyl-1-propanol isomer)
- In addition to UL 2583 listed fuels, the following fuels are also compatible:
 - Biodiesel up to 5% B5
 - Biodiesel up to 20% B20
 - Biodiesel at 97%-100% B99/B100
 - All ASTM Biofuel blends
- Alcohol, gas, biofuel compatible (E-85, gasoline and biodiesel) models come with hard coated anodized drop tubes for full compatibility.

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



Dimensions