

**Model 100 Emergency Vents  
Installation & Maintenance**

**General Information**

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- Model 100 Emergency Venting devices shall only be assembled and installed by a qualified person and the use of non-qualified personnel, or any deviation from these recommended procedures, could result in damage or malfunction.
- “For Automotive Fuels”
- These products are intended for use with storage tanks or fueling systems containing automotive fuels under the expected use conditions and exposures that have similar chemical, physical and material compatibility properties as represented in these requirements. The use fuels are intended to be formulated in accordance with 40 CFR Part 80 “ Regulation of Fuels and Fuel Additives” and meet the following ASTM Fuel Specifications and blend limitations:
  - ASTM D975, Standard Specification for Diesel Fuel Oils, with biodiesel blends up to a maximum of 5 percent (B5);
  - ASTM D7467, Standard Specification for Low Blend Biodiesel, with biodiesel blends between 6 to 20 percent (B6 to B20);
  - ASTM D4814, Standard Specification for Automotive Spark-Ignition Engine Fuel, gasoline or oxygenated gasoline, with limited ethanol blends up to a maximum of 10 percent (E10)
  - ASTM D5798, Standard Specification for Fuel Ethanol Blends for Automotive Spark-Ignition Engines, with high gasoline/ethanol blends in the (E51 – E83) range; and
  - Mid Range Ethanol Blends (E11 to E50) using variable mixtures of ASTM D4814, Low Blend Ethanol and ASTM D5798, High Blend Ethanol.
- Install in accordance with all local, State and Federal laws.
- Install in accordance to industry standards such as UL142, API 650 and NFPA 30 & 30A.
- Model 100 vents must be installed in conjunction with a pressure vacuum vent or normal vent.
- Model 100 vents must be properly sized and selected for each specific tank.
- CFH venting capacity at 2.5 psi
  - 1002 – 25,699 CFH
  - 1003 – 74,677 CFH
  - 1004 – 134,563 CFH
  - 1005 – 215,473 CFH
  - 1006 – 282,694 CFH
  - 1008 – 519,596 CFH

**Failure to follow any of the instructions or warnings can result in an “Automotive Fuels” spill, which could result in environmental contamination, explosion, serious injury or death.**

## **Installation Instructions**

1. Inspect Emergency Vent for shipping damage. Verify cover moves freely. Replace unit if damaged and cover does not move freely.
2. Remove all packing material
3. Inspect surface between cap and body. Verify the surface is free of any debris.
4. Do not paint. Painting can prevent the proper opening and functioning of the model 100 Emergency vent.
5. Apply a fuel resistant pipe sealant to the threads.
6. Thread vent into or onto tank.
7. There should not be a pipe reduction between the tank and Model 100 Emergency Vent.

## **Maintenance**

Monthly inspections of the model 100 Emergency vent are recommended to ensure the proper opening and function before filling or unloading fuel from the tank, especially during freezing conditions.

1. Lift the cover to verify it moves freely.
2. Replace the unit if the cover sticks or does not move freely
3. Inspect the surface between the cap and body. Remove any debris, ice or snow.

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