

Objective:

When we set out to design our flood vent products, a comprehensive study was conducted to determine the most important design attributes that would be needed to ensure that our customers received the best product available. Because our company started on the shores of the East Coast of New Jersey, everyone placed durability as their number one concern.

Durability:

After extensive research, including review of many less expensive materials, we chose to make the bulk of the components for our vents from marine grade 316 stainless steel. Salt can discolor stainless steel unless it is rinsed with water. We recommend that the vent be washed with fresh water twice a year.

The mechanism that operates the automatic louvers on models 1540-510, 1540-511, and 1540-514 is also entirely made from stainless steel. Rinsing will reduce dirt build-up. Prior to final inspection and testing, the louver mechanism is lubricated with a dry film lubricant. After many years of service, you may find that a louver may not fully close. Rinsing with water then applying a squirt of dry film lubricant will fix that problem. **Note:** Wet lubricants or grease will allow dirt and sand to accumulate on the moving parts. Use only dry film lubricant.

The bi-metal coil is made from highly engineered materials. The composite contains a large portion of corrosion resistant Nickel and the finished coil is secondarily heat-treated, which forms a protective barrier to protect it from the elements.

The floats are manufactured from engineered plastics. An ultra-violet inhibitor was blended into the raw material before molding to ensure that the sun does not degrade the functional or dimensional characteristics of the material. Insert a thin blade or a credit card into each side of the vent door's float slot, and the door will easily push open. Visit smartvent.com for instructional videos, or give us a call at (877) 441-8368.



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