

## Delphi Marine Evaporative Emissions Canisters

Delphi Marine Evaporative Emissions Canisters help limit the amount of gasoline vapors released into the environment by reducing evaporative emissions that can escape from fuel storage in boats with built-in fuel tanks. As the vapors enter the canister, hydrocarbon molecules in the vapors are attracted to, and stored on, the surfaces of the carbon bed inside the canister. The canister is then passively purged as fresh air is drawn toward it and the vapors are returned to the fuel tank, thus limiting the hydrocarbon exposure to the atmosphere.

Delphi offers a family of Marine Evaporative Emissions Canisters to meet specific customer requirements. They are shaped and sized for flexible hull mounting.

### ► Benefits

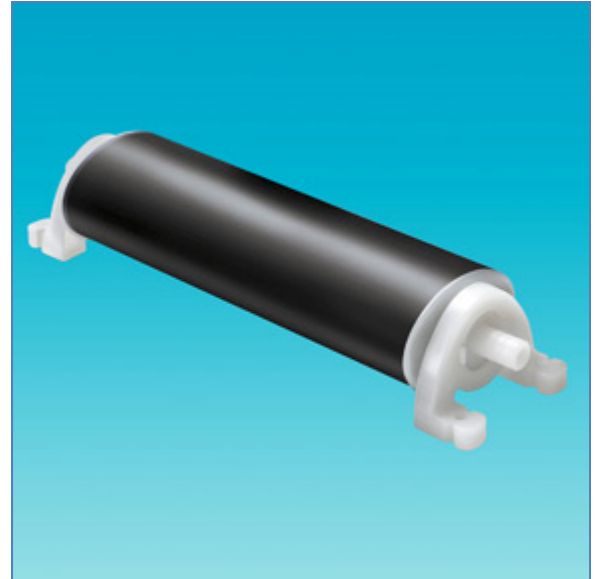
- Help boat and hull builders and fuel tank manufacturers comply with U.S. Environmental Protection Agency (EPA) evaporative emissions standards
- Help manufacturers comply with recommendations and requirements by the American Boat and Yacht Council (ABYC) and the National Marine Manufacturers Association (NMMA)
- Canisters feature flexible mounting and compact packaging designs
- Plastic canister body enables various sizes, depending on application
- Marine-grade activated carbon achieves lower moisture adsorption compared with automotive carbon
- Mounting brackets allow movement of the bracket without stressing the canister body

### ► Typical Applications

Delphi Marine Evaporative Emissions Canisters are tailored for gasoline powered boats with built-in fuel tanks.

### ► Availability

Perko, Inc., a leading manufacturer of products for the marine industry, is the exclusive distributor for Delphi's full line of Marine Evaporative Emissions Canisters. For more information, go to [www.perkofuelsystems.com](http://www.perkofuelsystems.com).



**Delphi Marine Evaporative Emissions Canister**

▶ **Canister Sizing versus Fuel Tank Size**

	<b>Trailerable Boat &lt;26 Feet (7.92 meters) in Length</b>	<b>Non-trailerable Boat ≥26 Feet (7.92 meters) in Length</b>
Canister Size (Liters)	Nominal Tank Size (Gallons)	
0.5	45	90
1.0	90	180
1.5	135	270
2.0	180	360
3.0	270	540
4.0	360	720

▶ **Performance Advantages**

Delphi offers low-cost manufacturing for evaporative emissions systems to help boat and hull builders and fuel tank manufacturers meet evolving evaporative emissions criteria and changing marine designs. Delphi can meet customer specifications for evaporative emissions systems performance and quality. Delphi offers full systems support and certification capabilities.

Delphi Marine Evaporative Emissions Canisters are optimized for marine applications. They meet design, manufacture, test and application guidelines issued by the American Boat & Yacht Council. They are pre-tested to meet vibration, thermal, impact, vapor cycling and humidity environment requirements. Delphi Marine Canisters have also been in-service tested in boat fleets.

▶ **The Delphi Advantage**

Delphi is one of the world's leading manufacturers of evaporative emissions canisters and systems, producing millions annually and providing customers with products that offer world class quality and performance. Delphi offers the benefits of more than 35 years' experience, and the in-depth knowledge of evaporative emissions canister design and market requirements.

As a global leader in engine management systems technology, Delphi can help manufacturers around the world meet emissions requirements, improve fuel economy and enhance performance. Delphi is a source for high value solutions and our systems expertise is built into every product. Delphi's flexible engineering approach encourages collaboration. And, Delphi has a thorough understanding of markets around the world and a global network of resources.