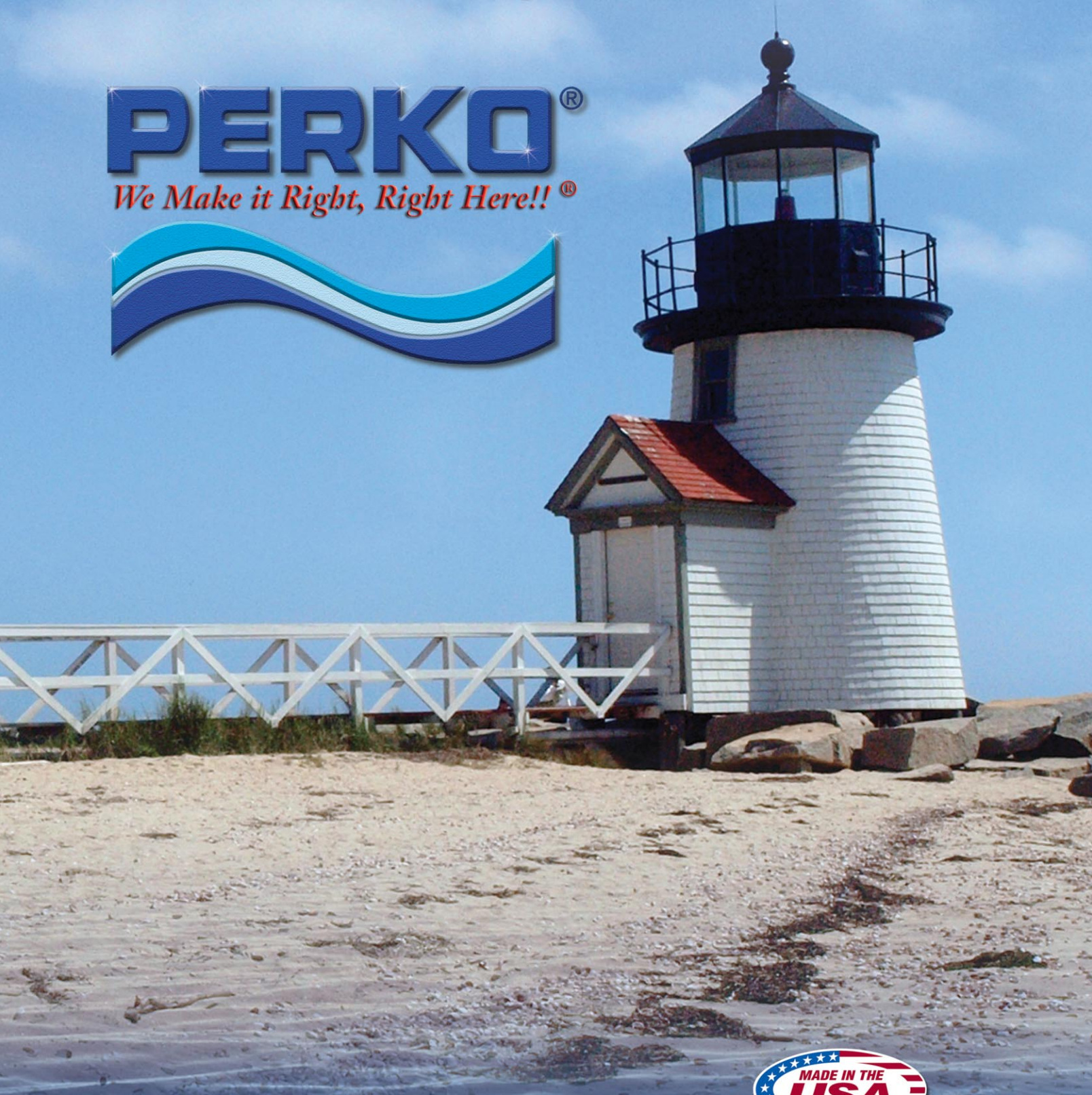


Emissions Related Products and Deck Fills

Manufacturer of Marine Lights, Hardware and Accessories

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Catalog 315-E

COVER PHOTOGRAPH
Brant Point Lighthouse
Nantucket, MA

Cover Photos By: Richard A. Cozier

Brant Point Lighthouse is a wooden structure, located on the south side of the entrance to Nantucket Harbor. Originally built in 1746, well before the United States had won its independence. Wooden lighthouses often caught fire from their oil burning lamps, and Brant Point Lighthouse was no exception – fire would destroy it multiple times.

Nantucket's residents switched from farming to whaling in the early 18th century. Known as Sherburne until 1795, Nantucket soon became one of the largest whaling ports in the Northeast. In 1724, eighty-six sperm whales were killed off the coast of Nantucket. Later, the first U.S. ship to sail into a British port would be a Nantucket whaler bearing sperm oil—the most expensive, cleanest and brightest burning oil of that time.

During a town meeting on January 24, 1746, sea captains called for the establishment of a lighthouse to protect their investments. Nantucket's location on the shipping line between the colonies' main ports coupled with its thriving whaling industry made a strong case for the light. Two hundred pounds were allocated to build the first Brant Point Lighthouse.

Twelve years later the wooden structure burned down. It was rebuilt in 1758, following town approval, but knocked over by a gale in 1774.

Another town meeting approved erecting a third light "as High as the previous one . . . at the town's expense." After captains from other ports objected to paying lighthouse dues, residents called for an Act that passed in 1774 requiring all vessels fifteen tons and over to pay six shillings the first time each year it entered or left Nantucket Harbor for the maintenance of Brant Point Lighthouse.

Between the years 1783 and 1786 the lighthouse would be destroyed by fire several more times. The town sought a different, less expensive solution -- a primitive wooden lantern, with glass windows, was hoisted between two unbraced spars, driven into the loose sand, which had grooves to steady the light. The wooden lantern produced a very dim light, often compared to a lightning bug, and hence it was called "bug light."

A storm in 1788 claimed this light, but the Commonwealth of Massachusetts soon replaced it with a small wooden tower, and this structure was ceded to the federal government in 1795.

The War of 1812 decimated Nantucket's fleet of whaling ships and left much of the population impoverished. Brant Point Light was extinguished for long periods during the war, but remained unharmed. Responding to a petition by merchants and mariners of Nantucket, Congress appropriated \$1,600 on March 3, 1825 for a new lighthouse at Brant Point described as "a house at entrance of Nantucket Harbor for the keeper, with a tower on the same for lantern." This light is on the keeper's dwelling, on Brant Point, at the entrance to Nantucket harbor.

By 1856 the lighthouse had fallen into disrepair and pleas for a new lighthouse to mark the harbor entrance (the current one was "completely rotted") were answered with the construction of a \$15,000 circular brick tower and attached dwelling that was considered one of the best stations on the Atlantic Coast. The light from the new tower's fourth-order Fresnel lens first lit up on December 10, 1856.

During the 1850s, Nantucket faced a sudden decline after the invention of kerosene cut the need for whale oil (its Canadian inventor strongly hoped for an end to killing whales), the Gold Rush lured men away, and a growing sandbar blocked the harbor. Luckily, Americans would soon begin the tradition of taking summer vacations, and the island was granted new life.

Shifting sands once again required a new lighthouse, and the present wooden tower, the ninth light to grace Brant Point, was erected at the tip of the point in 1901, roughly six hundred feet east of the 1856 lighthouse.

Brant Point's light, which shines at an elevation of just twenty-six feet making it the shortest light in New England, was changed from white to red in 1933 so that it would not be mistaken for the increasing number of house lights near the harbor. The tower was completely renovated in 1983 and again in 2000. Brant Point Light was automated in 1965, but the little conical tower with its black lantern still has many visitors, who find it an excellent spot to watch the ferries and other vessel traffic entering and leaving Nantucket Harbor.

The fourth-order Fresnel lens from Brant Point is on display at the Nantucket Life-Saving Museum.

Edited from Lighthousefriends.com





Catalog No. 315-E

For Emissions Related Products and Deck Fills

	Pages
General Info and Sales Representatives.....	E•2 to E•3
1. Delphi Carbon Canisters	E•4 to E•7
2. Inlet Check Valves (ICV) and Surge Protector	E•8 to E•11
3. Fill Limit Valves (FLV).....	E•12 to E•15
4. Tank Vent Valves (TVV)	E•16 to E•17
5. Air/Fuel Separator and P-Trap	E•18 to E•19
6. Tank Line Vents	E•20 to E•22
7. EPA Compliant Sealed Gas Fills, Diesel, Water & Waste Deck Fills.....	E•23 to E•29
8. Non-EPA Gas Fills, Diesel, Water & Waste Deck Fills	E•30 to E•35
9. Locking Inserts, Spare Parts and Replacement Caps	E•36 to E•39
10. Recreational Products Catalog 315-R Thumbnail Index.....	E•40 to E•46
11. Commercial Products Catalog 315-C Thumbnail Index.....	E•47 to E•49
12. Numerical Index for Catalogs 315-C, 315-E & 315-R	E•50 to 54
13. Alphabetic Index for Catalog 315-E.....	E•55
14. Fuel System Designs	E•56



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The weights given in this catalog are approximate, but should be sufficient for general purposes.

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Customers should send specific shipping instructions; otherwise, we will use our own judgement in selecting route.

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F.O.B. our plant, Miami, Florida, unless quoted otherwise. We are not responsible for damage, loss or delay after goods are delivered to carrier. When loss or delay occurs, we will gladly assist in tracing or expediting, but such assistance is no criterion of responsibility.

When there is **loss or apparent visible damage** to a shipment when tendered for delivery, **do not** give the carrier a clear receipt. Note such damage on the carrier's delivery receipt and **have the driver sign the receipt.**

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1. Advise the delivering carrier in writing as soon as discovered or no more than 15 days after delivery, and request carrier to make an inspection.
2. **Retain**, for the carrier's inspection, the **container** and **all packaging** with which the damaged or lost material was packaged.
3. **Shortages** - Must be reported to us within 15 days after receipt of goods.

PERKO® LIMITED WARRANTY

PERKO, INC. (PERKO) warrants to the original consumer-purchaser that PERKO'S products will be free from defective materials or workmanship, and that the PERKOPLATE/PERKO-KOTE finish will remain corrosion-free under normal use and service, for a period as shown below from the original purchase date:

Product Class	Duration
Products installed by a manufacturer as original equipment	1 year or duration of the original equipment manufacturer's general accessory warranty up to 5 years, whichever is longer
Emissions system components installed by manufacturer as original equipment	2 Years
Commercial products (and/or products used in commercial service) and searchlights	1 Year
Products not included above and which are purchased over-the-counter at a retail dealer	5 Years

ALL IMPLIED WARRANTIES, INCLUDING MERCHANTABILITY, ARE ALSO LIMITED IN DURATION TO THE WARRANTY PERIOD FROM THE ORIGINAL PURCHASE DATE.

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SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY OR MAY NOT APPLY TO YOU. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY OR MAY NOT APPLY TO YOU.

This warranty is void if the product warranted has been damaged by accident or unreasonable use, neglect, improper service or other cause not arising out of defects in material or workmanship. Excluded from this warranty are electric light bulbs (lamps), sealed beam units and fuses. Specific warranty statements made on the smallest unit package, on the individual instruction/installation sheets, or on price quotations which accompany certain specialty, custom or individual products shall supersede this warranty.

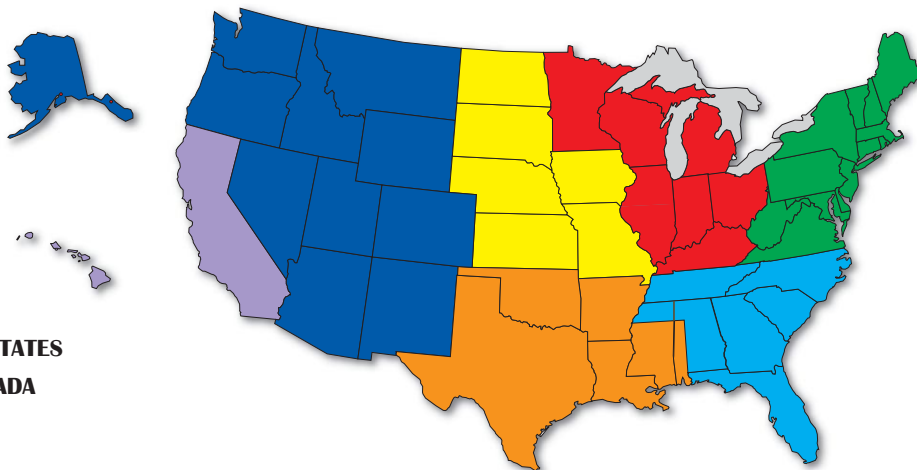
During the warranty period, your PERKO product will either be repaired or it will be replaced with a like product (at PERKO's option) without charge to the original consumer-purchaser, when returned prepaid and insured, with proof-of-purchase date to PERKO at our factory in Miami, FL. In the event of replacement, the replacement product will continue the warranty of the original product, or ninety (90) days, whichever is longer. **Important: For this Warranty to be effective, PERKO must be supplied with Proof-Of-Purchase date of the product.**

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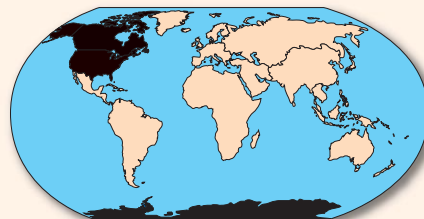
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1

Overview

With over 40 years of experience manufacturing carbon canisters in production volumes for the world's largest automotive manufacturers, Delphi developed the first carbon canister for marine use. Based on application information provided by the EPA, the NMMA and the ABYC, Delphi designed, manufactured and supplied all of the canisters used to evaluate product feasibility on boats in the summer of 2005. These canisters were used by 4 boat manufacturers to build 14 test boats and are the basis for marine industry specifications for carbon particles, vibration, strength, installation, fire resistance and sizing.

Since then, Delphi has coupled their years of automotive production experience with the knowledge gleaned through their involvement in the marine development and test program to perfect a production marine canister. Specifically designed for use on boats, Delphi marine canisters have a unique "floating" mount system which isolates them from any torque developing across mounting points by a flexing boat hull. This system permits builders to mount the canister in any position and, coupled with a special internal carbon particle support mechanism, allows Delphi canisters to easily meet all vibration requirements. Manufactured from high strength polymers and corrosion resistant materials, Delphi canisters are designed, manufactured and tested to withstand the rigors of marine applications. Delphi canisters are made and tested to automotive quality standards while being certified to meet every requirement imposed on canisters by the U.S.C.G., the EPA, CARB and the ABYC.

Canister Function and Sizing

- Polymer body with marine grade activated carbon.
- Hydrocarbon molecules are attracted to and stored on the surfaces of carbon pores by a physical phenomenon known as adsorption.
- Canister filling or adsorption occurs during two major events – thermal tank content expansion and refueling.
- Canister purging for marine industry will occur passively – based on vacuum created during cooling of gas and gas tank. Tank vacuum will pull ambient air through the canister resulting in desorption or purging of hydrocarbons from the canister.
- Purging is a function of the amount of vapor in the canister, purge air volume, and temperature.
- Optional mounting bracket allowed to rotate on end cap allows movement of mounting bracket without stressing canister body.
- For an interactive canister sizing guide please go to: www.perkofuelsystems.com/componentparts/canisters/sizing

Canister Mounting Options and Considerations

Engine Compartment Mounting

- If the canister is mounted in the engine compartment, then a heat shield is required for the canister (to pass the Coast Guard fire test). The shield comes permanently mounted to the canister.

Other Mounting Locations

- For non-engine compartment locations a heat shield is not required.

Mechanical

- Choose a canister location that protects the canister from external impacts.
- Do not mount in a location where the canister will be stepped on.
- The mounting location should be stiff, to minimize twisting/bending of the canister body.

Temperature

- The canister can withstand temperatures of 115°C continuously with 15 minute excursions to 125°C.
- A permanently mounted heat shield is available on the canister. It is for applications where the canister is mounted in the engine compartment and thus the canister must pass the Coast Guard fire test. The heat shield will also help if there is a short term temperature excursion, but is NOT effective for reducing a high continuous temperature.

Liquids

- The canister is a hydrocarbon VAPOR control device. Allowing liquid (water or gasoline) to enter into the canister will cover the carbon and prevent it from capturing the gasoline vapors. While a one time event of getting liquid into the canister will not harm the carbon, a poorly designed system will repeatedly allow liquid into the canister and prevent the canister from functioning properly. The EPA regulations require that systems be designed to prevent liquid from entering the canister.

Canister Sizing Special Applications

- To size the canister on fuel tanks with multiple vents, divide the required canister size by the number of vents.
- Example: 27 foot boat, 300 gallon fuel tank capacity, 2 vent lines on one tank. The required canister size is 4.8L if there is only one vent line. In this case, each vent line must have at least 2.4 liters of carbon. The closest size available is 3.0L.
- With large fuel tanks, canisters can be placed in series to get the appropriate carbon volume.
- Example: 27 foot boat, 300 gallon fuel tank capacity, 1 vent line. The required canister size is 4.8L. A 3.0L and a 2.0L canister can be connected in series to give the required carbon volume.



5/16" Nipple

5/8" Nipple



Location

The canister can be mounted in any location that the current vent line is located. The canister is installed between the fuel tank vent fitting and the fresh air vent fitting. The canister must be mounted above the highest point of the fuel tank. Thought must be given to the following when choosing a location:

- The hose connections to the canister must be accessible for inspection and service.
- The canister should not be mounted in a location where it will be stepped on or otherwise have a force exerted upon it.
- The canister is designed to withstand a temperature of 115°C continuously. Short term excursions (15 minutes) to 125°C is acceptable.
- The canister can be mounted in any orientation.
- If mounted in the engine compartment, the canister must have a heat shield (this is an optional component that will be integral to the canister).

System Requirements

The fuel tank vent system must be designed in such a way that liquid fuel is not passed through the vent line and into the canister. The vent system must also prevent the intake of water into the vent system and into the canister. These are requirements of the EPA regulation. When designing your fuel system, you must also consider fuel expansion and situations such as storage of the vessel with a full tank on an incline.

Mounting of the Canister

The canister (with the bracket) is designed to be mounted with four #10 screws or 3/16" bolts. This is the setup that has been validated to ABYC standards. If the end user chooses to mount the canister in some other fashion, they are responsible for the validation of the mounting. Please note that the canister has an internal plate and spring that must be able to move inside the body of the canister. For this reason, any mounting mechanism must not constrain the body for 25 mm from either end of the canister body.

Connection of the Vent Line to the Canister

The vent hose must be anchored to the boat structure within 6 inches of the canister fittings. The vent hose must be routed to prevent a load from being exerted onto the canister fittings.

The hose clamp must be a minimum of 3/8" wide. The clamp must not distort the fitting on the canister when tightened.

Canister Sizing vs Fuel Tank Size

Use the table below to determine canister size based upon length of boat and fuel tank volume.

Trailerable Under 26 Feet	
Canister (Liters)	Tank Size (Gallons)
.50	0-62
.75	63-93
1.0	94-124
1.5	125-186
2.0	187-248
3.0	249-372
4.0	373-496

Non-Trailerable Over 26 Feet	
Canister (Liters)	Tank Size (Gallons)
.50	0-124
.75	125-186
1.0	187-248
1.5	249-372
2.0	373-496
3.0	497-744
4.0	745-992

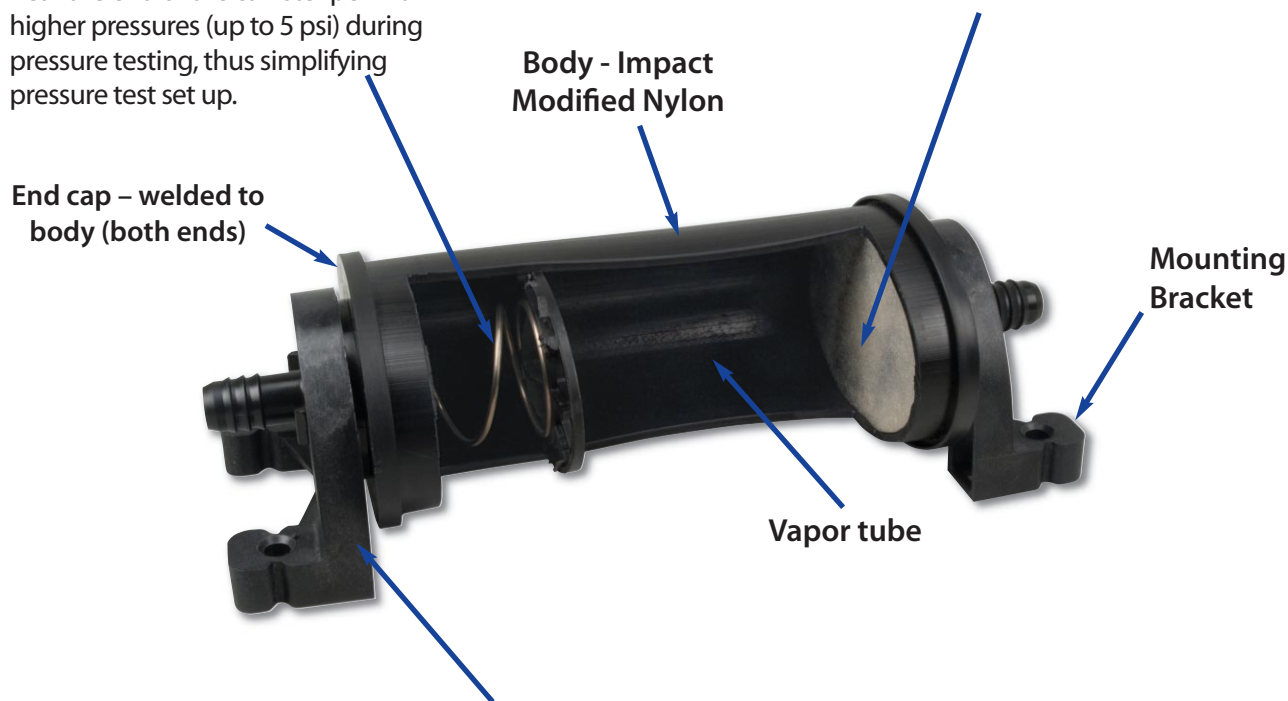


Delphi Carbon Canisters

Features & Benefits

Spring loaded volume compensator compresses carbon to reduce internal abrasion caused by vibrations. The heavy wall, elliptically shaped body and location of the volume compensator near the end of the canister permit higher pressures (up to 5 psi) during pressure testing, thus simplifying pressure test set up.

Large surface area filters located at each end of the canister keep carbon in place and allow for the lowest airflow restrictions available.



Patented "floating bracket" allows for easy installation while reducing the transmission of torque to the canister body, end caps and spuds.

The "floating bracket" also protects end caps from heat so that the factory installed heat shield is all that is needed to meet engine compartment requirements for fire protection. Builders simply install as usual with no additional effort or insulation requirements.



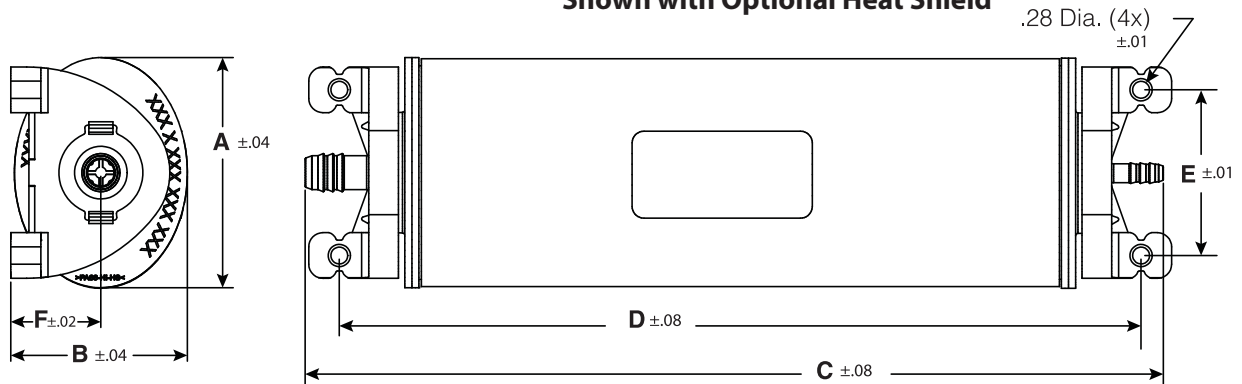
Activated Carbon
Volume varies depending on application



Delphi marine canisters are available in sizes ranging from 0.5L to 4.0L. Each size offers hose nipple connection options of 5/16" in and 5/8" out or 5/8" in and 5/8" out. The same configurations are also available with a heat shield if required.



Shown with Optional Heat Shield



Canister Ordering & Tech Information

Catalog No.	Vent Size	Canister Size	Heat Shield	Dimensions Inches						Std. Pkg.	OEM Bulk Pkg.	Ship Wt.(lbs.) Std. Pkg./ OEM Bulk
				A	B	C	D	E	F			
0485005035	5/16" x 5/8"	0.5 Liter	No	3.83	2.90	9.65	8.72	2.76	1.50	1	10	1.5/12.5
0485005055	5/8" x 5/8"			3.83	2.90	9.85	8.72	2.76	1.50			
0485007035	5/16" x 5/8"	0.75 Liter	No	3.83	2.90	11.92	11.03	2.76	1.50	1	10	1.8/15.5
0485007055	5/8" x 5/8"			3.83	2.90	12.12	11.03	2.76	1.50			
0485010035	5/16" x 5/8"	1.0 Liter	No	3.83	2.90	14.30	13.36	2.76	1.50	1	10	2.2/18.5
0485010055	5/8" x 5/8"			3.83	2.90	14.50	13.36	2.76	1.50			
0485015035	5/16" x 5/8"	1.5 Liter	No	3.83	2.90	19.00	18.06	2.76	1.50	1	10	3.0/22.0
0485015055	5/8" x 5/8"			3.83	2.90	19.25	18.06	2.76	1.50			
0485020035	5/16" x 5/8"	2.0 Liter	No	5.03	3.78	14.74	13.80	3.57	1.89	1	5	3.2/14.5
0485020055	5/8" x 5/8"			5.03	3.78	14.94	13.80	3.57	1.89			
0485030035	5/16" x 5/8"	3.0 Liter	No	5.03	3.78	20.17	19.25	3.57	1.89	1	5	4.6/21.0
0485030055	5/8" x 5/8"			5.03	3.78	20.37	19.25	3.57	1.89			
0485040035	5/16" x 5/8"	4.0 Liter	No	5.03	3.78	25.42	24.56	3.57	1.89	1	5	5.5/26.0
0485040055	5/8" x 5/8"			5.03	3.78	25.62	24.56	3.57	1.89			
0485H05035	5/16" x 5/8"	0.5 Liter	Yes	3.83	2.90	9.65	8.72	2.76	1.50	1	10	1.6/14.0
0485H05055	5/8" x 5/8"			3.83	2.90	9.85	8.72	2.76	1.50			
0485H07035	5/16" x 5/8"	0.75 Liter	Yes	3.83	2.90	11.92	11.03	2.76	1.50	1	10	1.9/17.0
0485H07055	5/8" x 5/8"			3.83	2.90	12.12	11.03	2.76	1.50			
0485H10035	5/16" x 5/8"	1.0 Liter	Yes	3.83	2.90	14.30	13.36	2.76	1.50	1	10	2.3/21.0
0485H10055	5/8" x 5/8"			3.83	2.90	14.50	13.36	2.76	1.50			
0485H15035	5/16" x 5/8"	1.5 Liter	Yes	3.83	2.90	19.00	18.06	2.76	1.50	1	10	3.3/26.0
0485H15055	5/8" x 5/8"			3.83	2.90	19.25	18.06	2.76	1.50			
0485H20035	5/16" x 5/8"	2.0 Liter	Yes	5.03	3.78	14.74	13.80	3.57	1.89	1	5	3.6/17.0
0485H20055	5/8" x 5/8"			5.03	3.78	14.94	13.80	3.57	1.89			
0485H30035	5/16" x 5/8"	3.0 Liter	Yes	5.03	3.78	20.17	19.25	3.57	1.89	1	5	5.2/23.0
0485H30055	5/8" x 5/8"			5.03	3.78	20.37	19.25	3.57	1.89			
0485H40035	5/16" x 5/8"	4.0 Liter	Yes	5.03	3.78	25.42	24.56	3.57	1.89	1	5	6.5/30.0
0485H40055	5/8" x 5/8"			5.03	3.78	25.62	24.56	3.57	1.89			



**NEW
PRODUCT**

**Fig. 0635 Special Application Flapper Valve
Fill Pipe Insert Inlet Check Valves (ICV)
Patent Pending**

CONSTRUCTION:

- White polymer valve with black polymer flapper
- Valves designed for use with plastic or metal tanks
- Perko's new patent pending "In-Pipe ICV" fits inside the fuel pipe itself
- In-pipe ICVs mount inside standard 1½" fill pipes near the connection to the fuel tank
- Eliminates the need to retool existing doghouse on plastic tanks
- Replaces in-line ICVs, eliminating 4 hose clamps & 2 leak points
- Allows for full 18 gpm flow rates

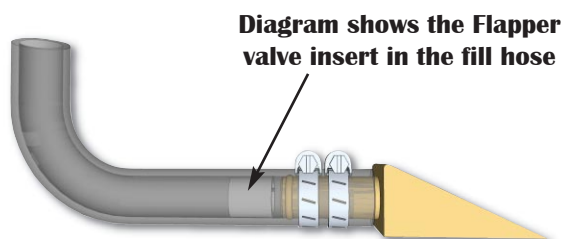


Fig. 0635

Ordering & Technical Information

Catalog No.	Hose Connection	Length Inches	Width Inches	Fire Test Capable	Dealer Pkg.	OEM Bulk Pkg.	Shipping Weight Lbs.
0635DP0	1-1/2	1-1/4	1-9/16 Dia.	Yes	5	---	0.6
0635000	1-1/2	1-1/4	1-9/16 Dia.	Yes	---	25	2.0
0635002 (For Diesel)*	2	1-1/4	1-15/16 Dia.	Yes	---	25	2.5

* New Item



Inlet Check Valves (ICV)

- ICVs are used to help prevent wellback (the reverse flow of fuel out of the fill after refueling is completed) & spitback. These normally closed valves are opened by the presence of fuel running down the fill pipe during refueling.
- All Perko inlet check valves are designed to handle incoming fuel flows in excess of 18 gallons per minute.
- Inlet check valves can be tank mounted or inserted into the fill pipe.
- Mounting options for tank mounted ICVs include flanged (for plastic tanks), threaded or welded (for metal tanks) and swivel (for both plastic and metal tanks)
- Custom ICVs are also available for specialized applications.

Technical Information

- For use in polymer or aluminum tanks
- Hose Connection: 1-1/2"
- Maximum fuel leakage is 0.5cc/m at 12.5 & 149kPa.



Special Application Inlet Check Valves (ICV)

CONSTRUCTION:

- Machined Aluminum
- White Polymer Valve
- Valves designed for mounting on aluminum tanks
- Mounting options – Welded or 1½" NPTF Threaded
- Aluminum tank ICVs can be factory cut to 22½° or 45° angles so that tank builder can form & weld 45° and 90° elbows.



Fig. 0584W00



Fig. 0584TS9



Ordering & Technical Information

Catalog No.	Style	Hose Connection	Length Inches	Width Inches	Fire Test Capable	OEM Bulk Pkg.	Shipping Weight Lbs.
0584W00	0° Inline Valve	1-1/2	6-3/4	1-5/8" Dia.	Yes	25	12.0
0584TS9	45° Inline Valve	1-1/2	3-3/4	4-3/8"	Yes	50	21.5



Fig. 0584F00
0° Flanged



Fig. 0584F90
90°



Fig. 0584S4500A
45°



Fig. 0584S0000A
0°



Fig. 0584T00
0°



Fig. 0584T 1-1/2" NPTF Threaded Inlet Check Valve (ICV)
Fig. 0584S0A Swivel Inlet Check Valve (ICV)

- For mounting on metal tanks

Fig. 0584F Flanged Inlet Check Valve (ICV)

- For mounting on plastic tank
- Gasket not included

CONSTRUCTION:

- Machined or Cast Aluminum
- White Polymer Valve
- Available with 0°, 45° or 90° hose barb connection
- Swivel Valves Include valve, valve housing, o-ring, snap ring and tank insert.

Technical Information

Catalog No.	Length Inches	Width Inches	Projection Inches	Hose Connection Inches	Bolt Circle Inches	Mounting Hole Dia.
0584T90	4	2-3/4	2-1/16	1-1/2	N/A	1-1/2 NPTF
0584T45	4	2-1/2	2-1/16	1-1/2	N/A	1-1/2 NPTF
0584T00	3-3/4	1-29/32	2	1-1/2	N/A	1-1/2 NPTF
0584F90	3-27/32	4-3/8	2	1-1/2	3-3/4	3
0584F45	4-31/32	4-3/8	3-1/8	1-1/2	3-3/4	3
0584F00	4-27/32	4-3/8	2-3/8	1-1/2	3-3/4	3
0584S9000A	4-7/8	2-3/4	2-5/16	1-1/2	N/A	2-1/4
0584S4500A	6	2-3/4	3-7/16	1-1/2	N/A	2-1/4
0584S0000A	5-1/4	2-3/4	2-11/16	1-1/2	N/A	2-1/4

Ordering Information - OEM Bulk Pkg. 10 Pcs.

Catalog No.	Style	Collar	For Use on Tank Type	Hose Connection Inches	Angle/Port	Fire Test Capable	Shipping Weight Lbs.
0584T90	NPTF, Threaded	No	Aluminum	1-1/2	90°	Yes	13.6
0584T45	NPTF, Threaded	No	Aluminum	1-1/2	45°	Yes	11.2
0584T00	NPTF, Threaded	No	Aluminum	1-1/2	0°	Yes	4.8
0584F90	Flanged	No	Plastic or Alum	1-1/2	90°	Yes	11.0
0584F45	Flanged	No	Plastic or Alum	1-1/2	45°	Yes	10.0
0584F00	Flanged	No	Plastic or Alum	1-1/2	0°	Yes	9.2
0584S9000A	Swivel	Yes	Aluminum	1-1/2	90°	Yes	9.6
0584S4500A	Swivel	Yes	Aluminum	1-1/2	45°	Yes	8.2
0584S0000A	Swivel	Yes	Aluminum	1-1/2	0°	Yes	7.6



NEW
PRODUCT

2

Fig. 0553 In-line Vent Hose Surge Protector
 Patent Pending

CONSTRUCTION:

- Black Polymer Valve
- Aluminum Surge Float

Features:

- Prevents fuel surges and back splash during re-fueling
- Fits in 5/8" Fuel hose vent line

Perko's patent pending in-line surge protector functions both as a fill limit valve assisting in pump auto shut-off and a check valve to prevent wellback in the vent line. Consult Perko for details on how to install the surge protector as a replacement for a fill limit valve.

Note: Must be installed within 45° of vertical if vented.

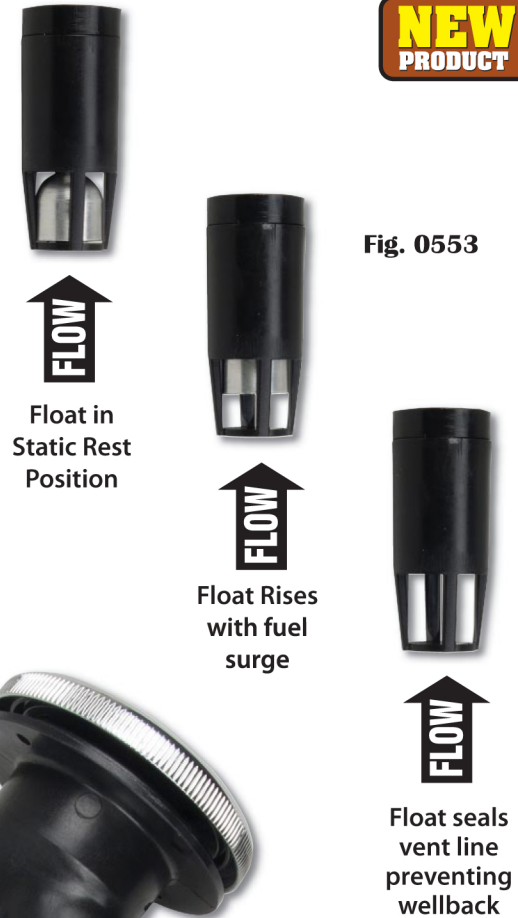


Fig. 0553

Diagram illustrates placement of surge protector in the vent line.



Ordering & Technical Information

Hose Connection	Length Inches	Dealer Pkg. 5Pcs. 1 Per Card	OEM Bulk Pkg. 25 Pcs.	Carton Ship Wt. Lbs. DP/OEM Bulk
5/8	1-9/16	0553DP0	0553000	0.8/2.0



Fill Limit Valves (FLV)

- FLVs are used to establish ullage (airspace) in the tank and help prevent overfilling.
- Perko FLVs connect to 5/8" hose. They are designed to vent to vented fuel fills and not directly to canisters.
- Mounting options for tank mounted FLV's include flanged (for plastic tanks), threaded, welded and swivel (for metal tanks).
- Swivel valves include valve, valve housing, o-ring, snap ring and tank insert.
- Distant sensing (DFLV) versions are available for both plastic and metal tanks on a custom basis.
- Custom ullage set points are available. Contact the factory for details.

Technical Information

- For use on plastic or aluminum tanks
- Hose Connection - 5/8"
- Flow > 70 l/min @ 0.25 kPa.
- Flow without corking > 130 l/min.
- Minimum reopening pressure: 0.5 kPa



Fig 0586F00112

Fig 0586F00034

Fig. 0586F00038

1-1/2"

3/4"

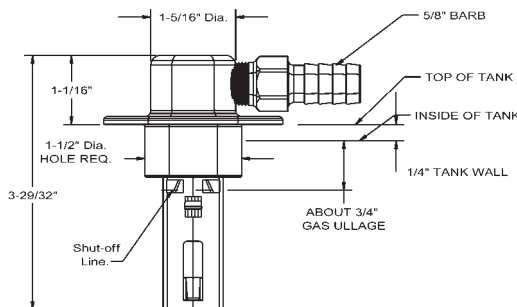
3/8"

**NEW
PRODUCT**

Fig. 0586F00 Flanged Fill Limit eEnt Valve (FLV)

CONSTRUCTION:

- Machined Aluminum
- Blue Polymer Valve
- Standard ullage depths range from 3/8" to 1-1/2"
- Matches the SAE 5-bolt level sender flange.
- Gasket is not included.
- For mounting on Aluminum or plastic tanks



Technical Information

Catalog No.	Length Inches	Width Inches	Projection Inches	Ullage Depth Inches	Hose Connection	Bolt Circle Inches	Mounting Hole Dia.
0586F00038	3-17/32	2-3/4	1-1/16	3/8	5/8	2-1/8	1-1/2
0586F00012	3-21/32	2-3/4	1-1/16	1/2	5/8	2-1/8	1-1/2
0586F00034	3-29/32	2-3/4	1-1/16	3/4	5/8	2-1/8	1-1/2
0586F00118	4-9/32	2-3/4	1-1/16	1-1/8	5/8	2-1/8	1-1/2
0586F00112	4-21/32	2-3/4	1-1/16	1-1/2	5/8	2-1/8	1-1/2

Ordering Information - OEM Bulk Pkg. 10 Pcs.

Catalog No.	Style	Ullage Depth Inches	Collar	For Use on Tank Type	Angle Port	Fire Test Capable	Shipping Weight Lbs.
0586F00038	Flanged	3/8	No	Plastic or Alum	90°	Yes	3.5
0586F00012	Flanged	1/2	No	Plastic or Alum	90°	Yes	3.5
0586F00034	Flanged	3/4	No	Plastic or Alum	90°	Yes	3.8
0586F00118	Flanged	1-1/8	No	Plastic or Alum	90°	Yes	4.4
0588F00112	Flanged	1-1/2	No	Plastic or Alum	90°	Yes	4.8

Note: Longer shut-off heights in 1/2" increments are generally available up to 5-1/2". For custom heights, contact the factory.



**NEW
PRODUCT**

Fig. 0586T00 NPTF Threaded Fill Limit Valve (FLV)

CONSTRUCTION:

- Machined Aluminum
- Blue Polymer Valve
- Standard ullage depths range from 3/8" to 1-1/2"
- For mounting on metal tanks



Technical Information

Catalog No.	Length Inches	Width Inches	Projection Inches	Ullage Depth Inches	Hose Connection Inches	Mounting Hole Dia.
0586T00038	3-31/32	1-5/16	1-1/4	3/8	5/8	1" NPTF
0586T00034	4-11/32	1-5/16	1-1/4	3/4	5/8	1" NPTF
0586T00118	4-23/32	1-5/16	1-1/4	1-1/8	5/8	1" NPTF
0586T00112	5-3/32	1-5/16	1-1/4	1-1/2	5/8	1" NPTF

Ordering Information - OEM Bulk Pkg. 10 Pcs.

Catalog No.	Style	Ullage Depth Inches	Collar	For Use on Tank Type	Angle Port	Fire Test Capable	Shipping Weight Lbs.
0586T00038	NPTF, Threaded	3/8	No	Aluminum	90°	Yes	2.6
0586T00034	NPTF, Threaded	3/4	No	Aluminum	90°	Yes	2.9
0586T00118	NPTF, Threaded	1-1/8	No	Aluminum	90°	Yes	3.4
0586T00112	NPTF, Threaded	1-1/2	No	Aluminum	90°	Yes	4.1

Note: Longer shut-off heights in 1/2" increments are generally available up to 5-1/2". For custom heights, contact the factory.



NEW PRODUCT

3

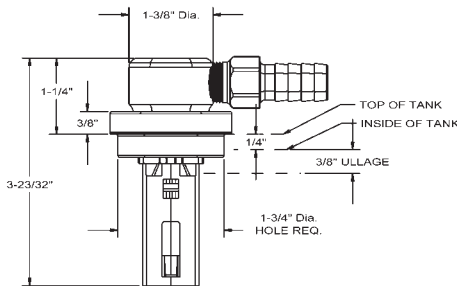


Fig. 0586S0A

Fig. 0586S0A Swivel Fill Limit Valve (FLV)

CONSTRUCTION:

- Machined Aluminum
- Blue Polymer Valve
- Standard ullage depths range from 3/8" to 1-1/2"
- For mounting on aluminum tanks



1-1/2"

1-1/8"

3/4"

1/2"

3/8"



Fig. 0586S0A112

Fig. 0586S0A118

Fig. 0586S0A034

Fig. 0586S0A012

Fig. 0586S0A038

Technical Information

Catalog No.	Length Inches	Width Inches	Projection Inches	Ullage Depth Inches	Hose Connection Inches	Mounting Hole Dia.
0586S0A038	3-23/32	2	1-1/4	3/8	5/8	1-3/4
0586S0A012	3-27/32	2	1-1/4	1/2	5/8	1-3/4
0586S0A034	4-3/32	2	1-1/4	3/4	5/8	1-3/4
0586S0A118	4-15/32	2	1-1/4	1-1/8	5/8	1-3/4
0586S0A112	4-27/32	2	1-1/4	1-1/2	5/8	1-3/4

Ordering Information - OEM Bulk Pkg. 10 Pcs.

Catalog No.	Style	Ullage Depth Inches	Collar	For Use on Tank Type	Angle Port	Fire Test Capable	Shipping Weight Lbs.
0586S0A038	Swivel	3/8	Yes	Aluminum	90°	Yes	4.0
0586S0A012	Swivel	1/2	Yes	Aluminum	90°	Yes	4.0
0586S0A034	Swivel	3/4	Yes	Aluminum	90°	Yes	4.2
0586S0A118	Swivel	1-1/8	Yes	Aluminum	90°	Yes	4.8
0588S0A112	Swivel	1-1/2	Yes	Aluminum	90°	Yes	5.5

Note: Longer shut-off heights in 1/2" increments are generally available up to 5-1/2". For custom heights, contact the factory.



Custom Emissions System Fill Limit Valves

Contact the factory for specific ordering information



Fig. 0586XL Group

Fig 0586S0A400



Fig 0586S0A300

Fill Limit Valves with longer shut-off heights up to 5-1/2"

Mounting Flange for Aluminum Tanks



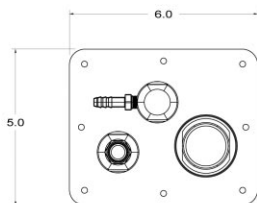
Fig. 0586T00118 with Flange

Distant Sensing FLV

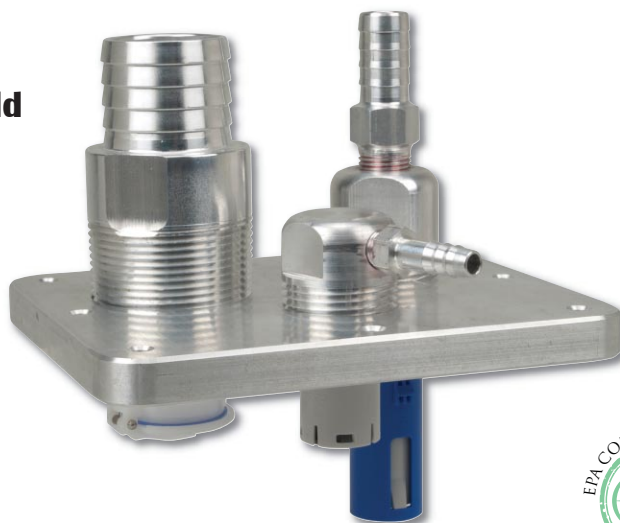
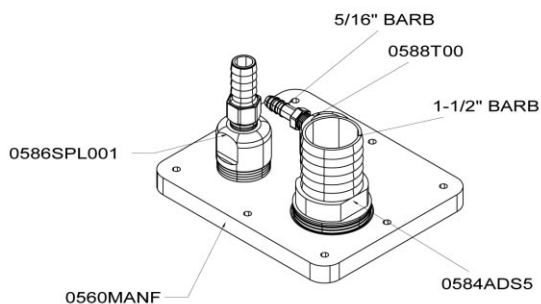
For Polymer Tanks



For Aluminum Tanks



Special Manifold



Tank Vent Valves (TVV) (ROV+OPR)

- Tank vent valves are designed to direct vapors generated during the diurnal cycle. Vent lines from TVV's generally run to carbon canisters. Properly installed, TVV's help protect canisters from liquid fuel.
- Perko TVV's are sometimes referred to as rollover valves (since they offer rollover protection) and as grade vent valves. They also include an overpressure relief feature.
- Mounting options for tank mounted TVV's include flanged (for plastic tanks), threaded (for metal tanks) and swivel (for both plastic and metal tanks).
- Internally mounted versions are available for both plastic and metal tanks on a custom basis.

4

Technical Information (ROV+OPR)

- For use in Plastic or aluminum tanks
- Hose Connection: 5/16"
- Vent orifice: 0.091 inch (~2.32mm)
- Air Flow Rate Positive Pressure @ 0°: 3.5 kPa ≥ 10 l/min & 10 kPa ≥ 18.2 l/min
- Air Flow Rate Positive Pressure @ 180°: 7 kPa ≤ 0.2 l/min, 13 kPa > 1 l/min
- Reopening Pressure > Min 7 kPa
- Maximum fuel leakage is less than 1.5 cc/min 6 kPa

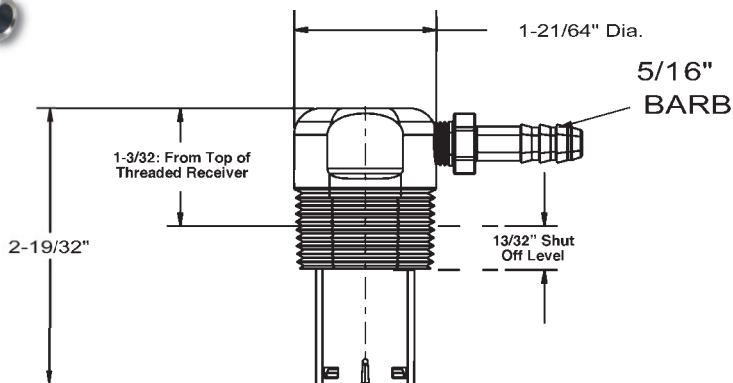


Fig. 0588T00

Fig. 0588T00 NPTF Threaded Tank Vent Valve (TVV)

CONSTRUCTION:

- Machined Aluminum
- Grey Polymer Valve
- Mount with a 1" NPTF thread
- For mounting on metal tanks



Technical Information

Catalog No.	Length Inches	Width Inches	Projection Inches	Shut Off Height Inches	Hose Connection Inches	Mounting Hole Dia.
0588T00	2-19/32	1-21/64	1-3/32	13/32	5/16"	1" NPTF

Ordering Information - OEM Bulk Pkg. 20 Pcs.

Catalog No.	Style	Collar	For Use on Tank Type	Angle/Port	Fire Test Capable	Shipping Weight Lbs.
0588T00	NPTF, Threaded	No	Aluminum	90°	Yes	4.1



NEW PRODUCT

Fig. 0588F00 Flanged Tank Vent Valve (TVV)

CONSTRUCTION:

- Machined Aluminum
- Grey Polymer Valve
- Matches the SAE 5-bolt level sender flange
- Gasket is not included
- For mounting on plastic tanks

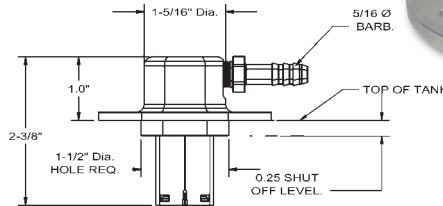


Fig. 0588F00

4

Technical Information

Catalog No.	Length Inches	Width Inches	Projection Inches	Shut Off Height Inches	Hose Connection Inches	Bolt Circle Inches	Mounting Hole Dia.
0588F00	2-3/8	2-3/4	1	1/4	5/16"	2-1/8	1-1/2

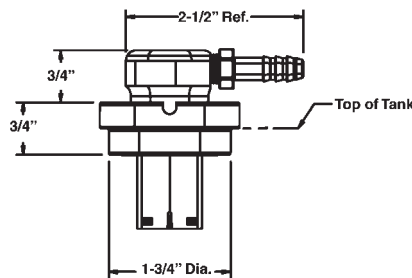
Ordering Information - OEM Bulk Pkg. 20 Pcs.

Catalog No.	Style	Collar	For Use on Tank Type	Angle/Port	Fire Test Capable	Shipping Weight Lbs.
0588F00	Flanged	No	Plastic	90°	Yes	5.1

Fig. 0588S0A Swivel Tank Vent Valve for Aluminum Tanks (TVV)

CONSTRUCTION:

- Machined Aluminum
- Grey Polymer Valve
- For mounting on metal tanks
- Includes valve, valve housing, o-rings, snap ring and tank insert



NEW PRODUCT



Fig. 0588S0A

Technical Information

Catalog No.	Length Inches	Width Inches	Projection Inches	Shut Off Height Inches	Hose Connection Inches	Mounting Hole Dia.
0588S0A	2-9/16	2	1-1/8	3/8	5/16"	1-3/4"

Ordering Information - OEM Bulk Pkg. 20 Pcs.

Catalog No.	Style	Collar	For Use on Tank Type	Angle/Port	Fire Test Capable	Shipping Weight Lbs.
0588S0A	Swivel	Yes	Aluminum	90°	Yes	5.8

Fig 0488 - Air-Fuel Separator

CONSTRUCTION:

- Black Polymer

5

- Air Fuel (A/F) separators are designed to protect canisters from liquid fuel. Vapors pass through the device to the canister while liquids are returned to the fuel tank.
- Perko A/F separators mount using the same “floating bracket” system used on Perko/Delphi carbon canisters.
- A 0588 series TVV is mounted inside each Perko A/F separator giving it rollover protection, overpressure relief and the restriction needed to aid in automatic pump shutoff.
- Heat shields are available for use in engine compartment installations.
- Properly installed, A/F separators can replace tank vent valves, eliminating the need to provide access to distant parts of the fuel tank.



A/F Separator
Cutaway View



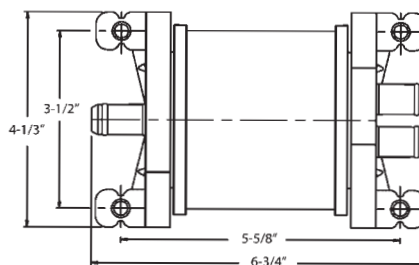
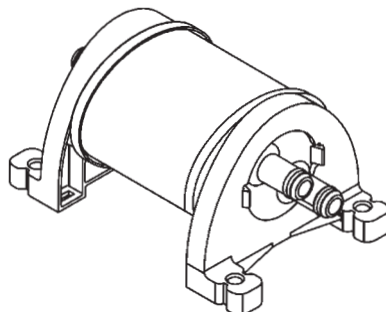
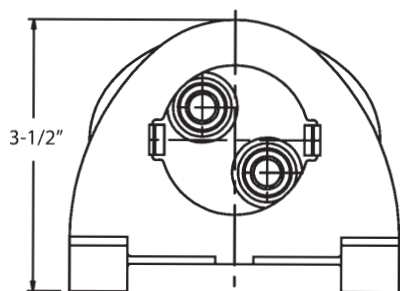
Fig. 0488001



Vent Valve



Fig. 0488H01
with Heat Shield



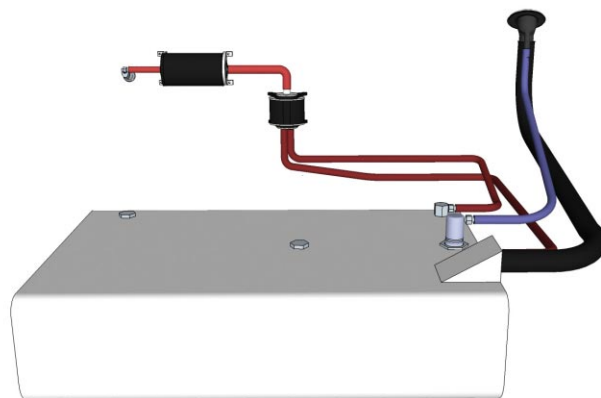
Ordering Information

Catalog No.	Heat Shield	Length Inches	Width Inches	Projection Inches	Hose Connection Inches	OEM Bulk Pkg.	Shipping Weight Lbs.
0488001	No	6-3/4	4-1/3	3-1/2	5/8	5	3.7
0488H01	Yes	6-3/4	4-1/3	3-1/2	5/8	5	3.7

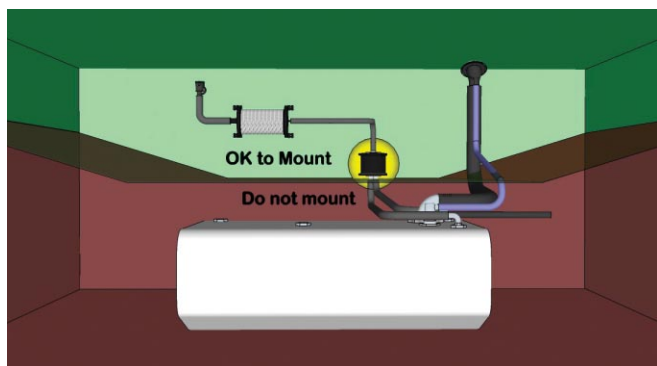


Air-Fuel Separator Access Issues

Perko's Air Fuel Separator helps solve difficult access problems. Running internal vent lines (in either plastic or aluminum tanks) and replacing the tank vent valves with an Air fuel separator eliminates the need to provide access to distant corners of the tank.



5



Air-Fuel Separator Positioning

Perko's Air Fuel separator must be positioned horizontally above the highest level that fuel in the tank can reach during full tilt or storage. The further away from the port/starboard centerline of the tank that the Air fuel separator is located, the higher it must be positioned above the tank

Fig. 0630 P-Trap Vent Valve (PTW)

CONSTRUCTION:

- Stainless steel escutcheons, aluminum shaft & polymer body and splash guard
- Allows vapor to vent from tank during thermal expansion of fuel and while refueling
- Allows fresh airflow into the tank during thermal contraction of fuel and when engine is running
- Protects canisters and fuel systems from water
- Deflector style vent opening reduces water volume entering assembly
- Internal P-Trap and check valve prevents water from passing through assembly into fuel system
- Straight hose connection
- Black or white polymer splash guard



Fig. 0630

Ordering Information						
Catalog Number	Hose Connection	Splash Guard Color	Hose Size	Max. Hull Thickness	OEM Bulk Pkg. Qty.	Shipping Weight Lbs.
0630004BLK	Straight	Black	5/8"	0" to 1"	25	10.1
0630004WHT	Straight	White	5/8"	0" to 1"	10	5.4

Test Plug Fig. 0630TSTPLG



Fig. 0598

Fig. 0598 - 90° Angled Tank Vent with Swivel Elbow

CONSTRUCTION:

- Stainless Steel Escutcheons with Black or White Polymer Splash Guard
- Removable 30 Mesh Stainless Steel Wire Screen Flame Arrestor (for use with gasoline applications)

Design Allows Elbow to be Rotated to any Position

Ordering & Tech Information					
Color	Hose Size Inches	Max. Hull Thickness Inches	Dealer Pkg. 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 50 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
Black	5/8	5/8	0598DP4BLK	0598004BLK	1.7/14.7
White	5/8	5/8	0598DP4WHT	0598004WHT	1.7/14.7

Fig. 0571 - 90° Angled Tank Vent with Swivel Elbow

CONSTRUCTION:

- Zinc Alloy Elbow
- Black or White Polymer Cap
- Removable 30 Mesh Stainless Steel Wire Screen Flame Arrestor (for use with gasoline applications)

Design Allows Elbow to be Rotated to any Position



Fig. 0571

Ordering Info			Tech Info
Color	Dealer Pkg. 10 Cards 1 Pc. per Card	OEM Bulk Pkg. 50 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
Black	0571DP4BLK	0571004BLK	2.4/9.3
White	0571DP4WHT	0571004WHT	2.4/9.3

Hose Size: 5/8"
Max. Hull Thickness: 3/4"

Fig. 0561 - 90° Angled Tank Vent with Swivel Elbow

CONSTRUCTION:

- Chrome Plated Zinc Alloy Cap with Zinc Alloy Elbow
- Black or White Polymer Splash Guard
- Removable 30 Mesh Stainless Steel Wire Screen Flame Arrestor (for use with gasoline applications)

Design Allows Elbow to be Rotated to any Position



Fig. 0561

Ordering Info			Tech Info
Color	10 Cards 1 Pc. per Card	Bulk Pkg. 50 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
Black	0561DP4CHR	0561004CHR	2.8/11.5
White	0561DP4WHT	0561004WHT	2.8/11.5

Hose Size: 5/8"
Max. Hull Thickness: 1"

Splash Guard Black: Cat. No. 0518000BLK
Splash Guard White: Cat. No. 0518000WHT

Note: All of the Above Vents are Designed to Meet the Requirements of U.S.C.G. Safety Standards January 31, 1977, for Gasoline Fuel Systems 33 CFR 183.



Fig. 0597 - Straight Tank Vent

CONSTRUCTION:

- Stainless Steel Escutcheons with Black or White Polymer Splash Guard
- Removable 30 Mesh Stainless Steel Wire Screen Flame Arrestor (for use with gasoline applications)



Fig. 0597

6

Ordering & Tech Information

Color	Hose Size Inches	Max. Hull Thickness Inches	Dealer Pkg. 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 50 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
Black	5/8	5/8	0597DP4BLK	0597004BLK	1.8/14.0
White	5/8	5/8	0597DP4WHT	0597004WHT	1.8/14.0

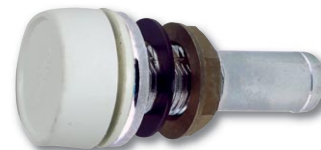
Fig. 0570 - Straight Tank Vent

CONSTRUCTION:

- Chrome Plated Zinc Alloy Cowl
- Black or White Polymer Cap
- Removable 30 Mesh Stainless Steel Wire Screen Flame Arrestor (for use with gasoline applications)



Fig. 0570



Ordering Info

Color	Dealer Pkg. 10 Cards 1 Pc. per Card	OEM Bulk Pkg. 50 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
Black	0570DP4BLK	0570004BLK	2.4/9.5
White	0570DP4WHT	0570004WHT	2.4/9.5

Tech Info

Hose Size: 5/8"
 Max. Hull Thickness: 3/4"

Fig. 0506 - Straight Tank Vent

CONSTRUCTION:

- Chrome Plated Zinc Alloy with Black or White Polymer Splash Guard
- Removable 30 Mesh Stainless Steel Wire Screen Flame Arrestor (for use with gasoline applications)

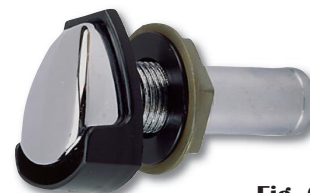


Fig. 0506



Ordering Info

Color	Dealer Pkg. 10 Cards 1 Pc. per Card	OEM Bulk Pkg. 50 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
Black	0506DP4CHR	0506004CHR	2.1/8.1
White	0506DP4WHT	0506004WHT	2.1/8.1

Tech Info

Hose Size: 5/8"
 Max. Hull Thickness: 3/4"

Splash Guard Black: Cat. No. 0518000BLK
 Splash Guard White: Cat. No. 0518000WHT

Note: All of the Above Vents are Designed to Meet the Requirements of U.S.C.G. Safety Standards January 31, 1977, for Gasoline Fuel Systems 33 CFR 183.

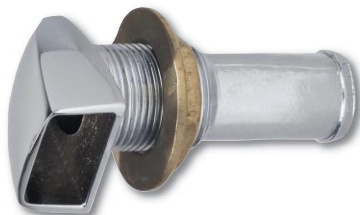


Fig. 0509

Fig. 0509 - Tank Vent

CONSTRUCTION:

- Chrome Plated Bronze
- Removable 30 Mesh Stainless Steel Wire Screen Flame Arrestor (for use with gasoline applications)

Ordering & Tech Information

Hose Size Inches	Max. Hull Thickness Inches	Dealer Pkg. 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 50 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
5/8	3/4	0509DP4CHR	0509004CHR	1.3/10.4
3/4	5/8	0509DP5CHR	0509005CHR	1.6/13.4

Fig. 0503 - Tank Vent

CONSTRUCTION:

- Chrome Plated Bronze
- Removable 30 Mesh Stainless Steel Wire Screen Flame Arrestor (for use with gasoline applications)

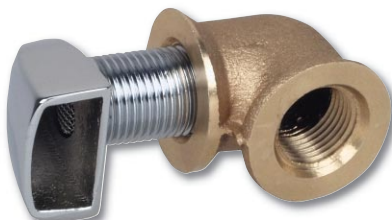


Fig. 0503

Ordering & Tech Information

Thread Size Inches	Max. Hull Thickness Inches	Dealer Pkg. 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 50 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
3/8	7/8	0503DP3CHR	0503003CHR	2.1/16.0
1/2	7/8	0503DP4CHR	0503004CHR	1.9/15.5

Fig. 0515 - Tank Vent

CONSTRUCTION:

- Chrome Plated Bronze
- Removable 30 Mesh Stainless Steel Wire Screen Flame Arrestor (for use with gasoline applications)



Fig. 0515

Ordering & Tech Information

Thread Size Inches	Max. Hull Thickness Inches	Dealer Pkg. 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 50 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
3/8	5/8	0515DP3CHR	0515003CHR	1.1/8.9
1/2	5/8	0515DP4CHR	0515004CHR	1.3/10.5

Fig. 0505 - Tank Vent

CONSTRUCTION:

- Chrome Plated Cast Bronze
- Removable 30 Mesh Stainless Steel Wire Screen Flame Arrestor (for use with gasoline applications)

Designed to meet the requirements of the National Fire Protection Association Booklet No. 302, Section No. 323 on vent pipe outlets. The 1/2 inch N.P.T. is off center to create a water baffle.



Fig. 0505

Ordering Info

Color	Dealer Pkg. 10 Cards 1 Pc. per Card	OEM Bulk Pkg. 50 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
Black	0570DP4BLK	0570004BLK	2.4/9.5
White	0570DP4WHT	0570004WHT	2.4/9.5

Tech Info

Hose Size: 5/8"
Max. Hull Thickness: 3/4"

Note: All of the Above Vents are Designed to Meet the Requirements of U.S.C.G. Safety Standards January 31, 1977, for Gasoline Fuel Systems 33 CFR 183.



PERKO®

EPA GAS DECK FILLS AND MATCHING DIESEL, WATER, WASTE FILLS FOR 1-1/2" HOSE

Figs. 0640 & 0641 Sealed Ratcheting Cap Gas Fills
Figs. 0660 & 0661 Sealed Ratcheting Cap Gas Fills
with Vacuum/Over Pressure Relief (VOPR)

Figs. 0641 & 0661



Figs. 0640 & 0660

CONSTRUCTION:

- Chrome Plated Bronze Cap
- Black Polymer Body
- **Figs. 0640 & 0641**
- EPA Compliant Sealed Cap
- **Figs. 0660 & 0661**
- EPA Compliant Sealed Cap with Vacuum /Over Pressure Relief Valve



EPA Compliant Sealed Fuel Fill Ordering Information

Marked For	Sealed Cap	Type	Neck	Dealer Pkg. - 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 25 Pcs.	Ship Wt. Lbs. DP/OEM Bulk
Gas	Chrome	No VOPR	Angled	-----	0640G00CHR	--/16.8
Gas	Chrome	No VOPR	Straight	-----	0641G00CHR	--/16.1
Gas	Chrome	With VOPR	Angled	0660DPGCHR	0660G00CHR	4.5/16.8
Gas	Chrome	With VOPR	Straight	0661DPGCHR	0661G00CHR	4.5/16.1

Tech Info

For Hose Size: 1-1/2"
 For Vent Hose: 5/8"
 O.D. Flange: 3-3/8"
 Neck Length: 2-7/16"
 Mounting Hole Dia.: 2-1/8"
 Screw Size: #8

For Spare Cap Ordering Information See Page E-39

These fills meet the new CARB and EPA requirements of U.S.C.G. Safety Standards (July 31, 2011) for 40 CFR Parts 9, 60, 80 et al. Control of Diurnal Emissions From Nonroad Spark-Ignition Engines and Equipment.



Figs. 0540 & 0541 - Diesel & Water Vented Fills
 Patent Nos. 5,275,213 & 5,327,946

Fig. 0557 - Non-Vented Fuel & Water Fills
Fig. 0556 - Waste Deck Plate

CONSTRUCTION:

- Chrome Plated Bronze Cap and Black Polymer Body
- Stainless Steel Bead Chain (except for Waste)
- Integral Tank Vent with Flame Arrestor and Anti Surge Valve (on vented styles only)
- Deck Plate Key and O-Ring Included



Figs. 0557
Fig. 0556 Waste Fuel & Water Fills

Fig. 0540 Diesel

Ordering Info

Marked For	Cap Type	Neck	Dealer Pkg. 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 25 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
Vented					
Diesel	Chrome	Angled	0540DPDCHR*	0540D00CHR*	4.2/15.1
Water	Chrome	Angled	0540DPWCHR	0540W00CHR	4.2/15.1
Diesel	Chrome	Straight	0541DPDCHR*	0541D00CHR*	4.1/15.0
Water	Chrome	Straight	0541DPWCHR	0541W00CHR	4.1/14.9
Non-Vented					
Diesel	Chrome	Straight	0557DPDCHR	0557D00CHR	4.0/18.0
Water	Chrome	Straight	0557DPWCHR	0557W00CHR	4.0/18.0
Waste	Chrome	Straight	0556DP0CHR	0556000CHR	3.8/17.5

Tech Info

For Hose Size: 1-1/2"
 Screw Size: #8
 Mounting Hole Dia.: 2-1/8"
 O.D. Flange: 3-3/8"
Vented
 For Vent Hose: 5/8"
 Neck Length: 2-7/16"
Non-Vented
 Neck Length: 3-1/8"



Fig. 1247



SPARE PARTS ORDERING INFORMATION

Diesel Cap, O-Ring & Retainer: 0540DPD99A
 Water Cap, O-Ring & Retainer: 0540DPW99A
 Waste Cap with O-Ring: 0556DP099A
 Deck Plate Key: 1247DP0BLK
 O-Ring Only: 054000099B

NOTE: Fig. 0556 Complies with Adopted Standards on "Fittings" A.B.Y.C. Recommended Practices Standards Covering Sewage Holding and/or Treatment Devices for Marine Waste Systems.

AVAILABLE IN

For Complete Ordering Info: See Pgs R-183-184

*Note: Consider using the Mounting Ring (Fig. 0540DPBKLK) for all installations. DP package includes mounting ring. See Page E-36





EPA GAS DECK FILLS AND MATCHING DIESEL AND WATER FILLS FOR 1-1/2" HOSE

NEW PRODUCT

Figs. 0680 & 0681 Sealed Ratcheting Cap Gas Fills with Color Coded Metallic Insert

Figs. 0780 & 0781 Sealed Ratcheting Cap Gas Fills with Vacuum/Over Pressure Relief (VOPR) and Color Coded Metallic Insert

CONSTRUCTION:

- Chrome Plated Bronze or Stainless Steel Scalloped Cap with Color Coded Metallic Insert
- Black Polymer Body
- Figs. 0680 & 0681**
- EPA Compliant Sealed Cap
- Figs. 0780 & 0781**
- EPA Compliant Sealed Cap with Vacuum /Over Pressure Relief Valve

Figs. 0680 & 0780



Figs. 0681 & 0781



EPA Compliant Sealed Fuel Fill Ordering Information

Marked For		Type	Neck	Dealer Pkg. - 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 25 Pcs.	Ship Wt. Lbs. DP/OEM Bulk
Gas	Chrome	No VOPR	Angled	-----	0680G00CHR	--/16.9
Gas	Stainless	No VOPR	Angled	-----	0680G00STS	--/16.2
Gas	Chrome	No VOPR	Straight	-----	0681G00CHR	--/17.4
Gas	Stainless	No VOPR	Straight	-----	0681G00STS	--/16.6
Gas	Chrome	With VOPR	Angled	0780DPGCHR	0780G00CHR	4.5/16.9
Gas	Stainless	With VOPR	Angled	0780DPGSTS	0780G00STS	4.3/16.2
Gas	Chrome	With VOPR	Straight	0781DPGCHR	0781G00CHR	4.5/17.4
Gas	Stainless	With VOPR	Straight	0781DPGSTS	0781G00STS	4.3/16.6

Tech Info

For Hose Size: 1-1/2"
For Vent Hose: 5/8"
O.D. Flange: 3-3/8"
Neck Length: 2-7/16"
Mounting Hole Dia.: 2-1/8"
Screw Size: #8



For Spare Cap Ordering Information See Page E-39

These fills meet the new CARB and EPA requirements of U.S.C.G. Safety Standards (July 31, 2011) for 40 CFR Parts 9, 60, 80 et al. Control of Diurnal Emissions From Nonroad Spark-Ignition Engines and Equipment.

Figs. 0580 & 0581 - Vented Fills for Diesel or Water with Color Coded Metallic Insert

Patent Nos. 5,275,213 & 5,327,946

CONSTRUCTION:

- Chrome Plated Bronze or Stainless Steel Scalloped Cap
- Integral Tank Vent with Flame Arrestor and Anti Surge Valve
- Color Coded Metallic Inserts
- Black Polymer Body
- Polymer Tether
- Deck Plate Key Included

Fig. 0580 Water



Fig. 0581 Diesel



Ordering Info

Marked For	Cap Type	Neck	OEM Bulk Pkg. 25 Pcs.	Ship Wt. Carton Lbs. OEM Bulk
Diesel	Chrome	Angled	0580D00CHR*	17.2
Water	Chrome	Angled	0580W00CHR	17.2
Diesel	Stainless	Angled	0580D00STS*	15.8
Water	Stainless	Angled	0580W00STS	15.8
Diesel	Chrome	Straight	0581D00CHR*	17.2
Water	Chrome	Straight	0581W00CHR	17.2
Diesel	Stainless	Straight	0581D00STS*	15.8
Water	Stainless	Straight	0581W00STS	15.8

Tech Info

For Hose Size: 1-1/2"
Screw Size: #8
Mounting Hole Dia.: 2-1/8"
O.D. Flange: 3-3/8"
For Vent Hose: 5/8"
Neck Length: 2-7/16"

*Note: Consider using the Mounting Ring (Fig. 0540DPRBLK) for all installations. DP package includes mounting ring. See Page E-36



SPARE PARTS ORDERING INFORMATION

Metallic Insert Kit 0030DP0005 (Includes 4 inserts Gas, Diesel, Water & Waste)
Deck Plate Key 1241DP0BLK

COLOR CODED METALLIC INSERTS





Fig. 0551 - Non-Vented Diesel & Water Fills with Color Coded Metallic Inserts

CONSTRUCTION:

- Chrome Plated Bronze or Stainless Steel Scalloped Cap
- Color Coded Metallic Insert for Diesel or Water
- Black Polymer Body
- Deck Plate Key Included



Fig. 0551



Fig. 1241

7

Ordering Info			
Marked For	Cap Type	OEM Bulk Pkg. 25 Pcs.	Ship Wt. Carton Lbs. OEM Bulk
Diesel	Chrome	0551D00CHR	20.5
Water	Chrome	0551W00CHR	20.5
Diesel	Stainless	0551D00STS	18.0
Water	Stainless	0551W00STS	18.0

Tech Info
For Hose Size: 1-1/2"
Neck Length: 3-1/8"
O.D. Flange: 3-3/8"
Mounting Hole Dia.: 2-1/8"
Screw Size: #8

SPARE PARTS ORDERING INFORMATION
 Metallic Insert Kit 0030DP0005
 (Includes 4 inserts Gas, Diesel, Water & Waste)
 Deck Plate Key 1241DP0BLK

COLOR CODED METALLIC INSERTS



Fig. 0568 - Waste Deck Plate with Color Coded Metallic Insert

CONSTRUCTION:

- Chrome Plated Bronze or Stainless Steel Scalloped Cap
- Color Coded Metallic Insert
- Black Polymer Base
- Deck Plate Key Included



Fig. 0568



Fig. 1241

Ordering Info			
Marked For	Cap Type	OEM Bulk Pkg. 25 Pcs.	Ship Wt. Carton Lbs. OEM Bulk
Waste	Chrome	0568000CHR	19.5
Waste	Stainless	0568000STS	18.1

Tech Info
For Hose Size: 1-1/2"
O.D. Flange: 3-3/8"
Neck Length: 3-1/8"
Mounting Hole Dia.: 2-1/8"
Screw Size: #8

NOTE: This Item Complies with Adopted Standards on "Fittings" A.B.Y.C. Recommended Practices Standards Covering Sewage Holding and/or Treatment Devices for Marine Waste Systems.



EPA GAS DECK FILLS AND MATCHING DIESEL AND WATER FILLS FOR 1-1/2" HOSE

NEW PRODUCT

Figs. 0682 & 0683 Sealed Ratcheting Cap Gas Fills with Resin Insert
Figs. 0782 & 0783 Sealed Ratcheting Cap Gas Fills with Vacuum/Over Pressure Relief (VOPR) and Resin Insert

CONSTRUCTION:

Figs. 0682 & 0782



Figs. 0683 & 0783



- Chrome Plated Bronze or Stainless Steel Scalloped Cap with Color Coded Resin Insert
- Black Polymer Body
- Figs. 0682 & 0683**
- EPA Compliant Sealed Cap
- Figs. 0782 & 0783**
- EPA Compliant Sealed Cap with Vacuum /Over Pressure Relief Valve

EPA Compliant Sealed Fuel Fill Ordering Information

Marked For	Sealed Cap	Type	Neck	Dealer Pkg. - 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 25 Pcs.	Ship Wt. Lbs. DP/OEM Bulk
Gas	Chrome	No VOPR	Angled	-----	0682G00CHR	--/18.0
Gas	Stainless	No VOPR	Angled	-----	0682G00STS	--/17.0
Gas	Chrome	No VOPR	Straight	-----	0683G00CHR	--/18.0
Gas	Stainless	No VOPR	Straight	-----	0683G00STS	--/17.0
Gas	Chrome	With VOPR	Angled	0782DPGCHR	0782G00CHR	4.5/18.0
Gas	Stainless	With VOPR	Angled	0782DPGSTS	0782G00STS	4.3/17.0
Gas	Chrome	With VOPR	Straight	0783DPGCHR	0783G00CHR	4.5/18.0
Gas	Stainless	With VOPR	Straight	0783DPGSTS	0783G00STS	4.3/17.0

Tech Info

For Hose Size: 1-1/2"
 For Vent Hose: 5/8"
 O.D. Flange: 3-3/8"
 Neck Length: 2-7/16"
 Mounting Hole Dia.: 2-1/8"
 Screw Size: #8

For Spare Cap Ordering Information See Page E-39

These fills meet the new CARB and EPA requirements of U.S.C.G. Safety Standards (July 31, 2011) for 40 CFR Parts 9, 60, 80 et al. Control of Diurnal Emissions From Nonroad Spark-Ignition Engines and Equipment.



Figs. 0582 & 0583 - Vented Fills for Diesel or Water with Color Coded Resin Insert

Patent Nos. 5,275,213 & 5,327,946

CONSTRUCTION:

Fig. 0582 Diesel



Fig. 0583 Water



- Chrome Plated Bronze or Stainless Steel Scalloped Cap
- Integral Tank Vent with Flame Arrestor and Anti Surge Valve
- Color Coded Resin Insert
- Black Polymer Body
- Polymer Tether
- Deck Plate Key Included

Ordering Info

Marked For	Cap Type	Neck	Dealer Pkg.** 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 25 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
Diesel	Chrome	Angled	0582DP0CHR	0582D00CHR*	4.5/17.2
Water	Chrome	Angled	0582DP0CHR	0582W00CHR	4.5/17.2
Diesel	Stainless	Angled	-----	0582D00STS*	--/15.8
Water	Stainless	Angled	-----	0582W00STS	--/15.8
Diesel	Chrome	Straight	0583DP0CHR	0583D00CHR*	4.5/17.2
Water	Chrome	Straight	0583DP0CHR	0583W00CHR	4.5/17.2
Diesel	Stainless	Straight	-----	0583D00STS*	--/15.8
Water	Stainless	Straight	-----	0583W00STS	--/15.8

Tech Info

For Hose Size: 1-1/2"
 For Vent Hose: 5/8"
 O.D. Flange: 3-3/8"
 Neck Length: 2-7/16"
 Mounting Hole Dia.: 2-1/8"
 Screw Size: #8

**Note: DP Pkg. includes fill, cap and 3 inserts (Gas, Diesel & Water). Use Gas insert on fill only with Non-EPA Compliant fuel systems.

SPARE PARTS ORDERING INFORMATION

Cap, O-Ring & Retainer: 0582DPC99A (Includes 3 Resin inserts; Gas, Diesel & Water)
 Resin Insert Kit: 0030DP0004 (includes 4 inserts Gas, Diesel, Water & Waste)
 Deck Plate Key: 1241DP0BLK.

COLOR CODED RESIN INSERTS





Fig. 0552 - Non-Vented Diesel & Water Fills with Color Coded Resin Insert

CONSTRUCTION:

- Chrome Plated Bronze or Stainless Steel Scalloped Cap
- Color Coded Resin Insert
- Black Polymer Body
- Deck Plate Key Included



Fig. 0552

7

COLOR CODED RESIN INSERTS



Ordering Info				
Marked For	Cap Type	Dealer Pkg.** 5 Cards 1 Pc per Card	OEM Bulk Pkg. 25 Pcs.	Ship Wt. Carton Lbs. OEM Bulk
Diesel	Chrome	0552DP0CHR	0552D00CHR	19.8
Water	Chrome	0552DP0CHR	0552W00CHR	19.8
Diesel	Stainless	-----	0552D00STS	18.5
Water	Stainless	-----	0552W00STS	18.5

Tech Info
For Hose Size: 1-1/2"
O.D. Flange: 3-3/8"
Neck Length: 3-1/8"
Mounting Hole Dia.: 2-1/8"
Screw Size: #8



Fig. 1241

**Note: DP Pkg. includes fill, cap and 4 inserts (Gas, Diesel, Water & Waste).

SPARE PARTS ORDERING INFORMATION

Spare Cap (Non-Vented) 0552DPC99A (includes 4 inserts)
 Resin Insert Kit 0030DP0004 (includes 4 inserts)
 Deck Plate Key 1241DP0BLK



Fig. 0569 - Waste Deck Plate with Color Coded Resin Insert

CONSTRUCTION:

- Chrome Plated Bronze or Stainless Steel Scalloped Cap
- Color Coded Resin Insert
- Black Polymer Base
- Deck Plate Key Included



Fig. 0569

Ordering Info			
Marked For	Cap Type	OEM Bulk Pkg. 25 Pcs.	Ship Wt. Carton Lbs. OEM Bulk
Waste	Chrome	0569000CHR	19.6
Waste	Stainless	0569000STS	18.2

Tech Info
For Hose Size: 1-1/2"
O.D. Flange: 3-3/8"
Neck Length: 3-1/8"
Mounting Hole Dia.: 2-1/8"
Screw Size: #8



Fig. 1241

SPARE PARTS ORDERING INFORMATION

Spare Cap (Non-Vented) 0552DPC99A (includes 4 inserts)
 Resin Insert Kit 0030DP0004 (includes 4 inserts)
 Deck Plate Key 1241DP0BLK

NOTE: This Item Complies with Adopted Standards on "Fittings" A.B.Y.C. Recommended Practices Standards Covering Sewage Holding and/or Treatment Devices for Marine Waste Systems.



EPA GAS DECK FILLS AND MATCHING DIESEL, WATER AND WASTE FILLS FOR 1-1/2" HOSE

NEW PRODUCT

No Deck Plate Key Required

Figs. 0690 & 0790



Figs. 0691 & 0791

Figs. 0690 & 0691 Sealed Ratcheting Cap Gas Fills
Figs. 0790 & 0791 Sealed Ratcheting Cap Gas Fills with Vacuum/Over Pressure Relief (VOPR)



Sealed Cap with VOPR Valve Sealed Cap without VOPR Valve

CONSTRUCTION:

- Chrome Plated Bronze Cap
- Black Polymer Body
- **Figs. 0690 & 0691**
- EPA Compliant Sealed Cap
- **Figs. 0790 & 0791**
- EPA Compliant Sealed Cap with Vacuum /Over Pressure Relief Valve

7

EPA Compliant Sealed Fuel Fill Ordering Information

Marked For	Sealed Cap Type	Neck	Dealer Pkg. - 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 25 Pcs.	Ship Wt. Lbs. DP/OEM Bulk
Gas	Chrome No VOPR	Angled	-----	0690G00CHR	--/18.5
Gas	Chrome No VOPR	Straight	-----	0691G00CHR	--/18.9
Gas	Chrome With VOPR	Angled	0790DPGCHR	0790G00CHR	4.5/18.5
Gas	Chrome With VOPR	Straight	0791DPGCHR	0791G00CHR	4.5/18.9

Tech Info

For Hose Size: 1-1/2"
 For Vent Hose: 5/8"
 O.D. Flange: 3-3/8"
 Neck Length: 2-7/16"
 Mounting Hole Dia.: 2-1/8"
 Screw Size: #8



For Spare Cap Ordering Information See Page E-39

These fills meet the new CARB and EPA requirements of U.S.C.G. Safety Standards (July 31, 2011) for 40 CFR Parts 9, 60, 80 et al. Control of Diurnal Emissions From Nonroad Spark-Ignition Engines and Equipment.

Fig. 0590 Gas

Fig. 0591 Diesel

Fig. 0564 Diesel & Water

Fig. 0563 Waste

Figs. 0590 & 0591 - Diesel & Water Vented Fills

Patent Nos. 5,275,213 & 5,327,946

Fig. 0564 - Non-Vented Diesel & Water Fills

Fig. 0563 - Waste Deck Plate

No Deck Plate Key Required

CONSTRUCTION:

- Chrome Plated Bronze Cap
- Black Polymer Body
- Stainless Steel Bead Chain (except for Waste)
- Integral Tank Vent with Flame Arrestor and Anti Surge Valve (on vented styles only)
- Deck Plate Key Not Required

Ordering Info

Marked For	Cap Type	Neck	Dealer Pkg.** 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 25 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
Diesel	Chrome	Angled-Vented	0590DPDCHR*	0590D00CHR*	5.0/18.9
Water	Chrome	Angled-Vented	0590DPWCHR	0590W00CHR	5.0/18.7
Diesel	Chrome	Straight-Vented	0591DPDCHR*	0591D00CHR*	5.0/18.1
Water	Chrome	Straight-Vented	0591DPWCHR	0591W00CHR	5.0/17.5
Diesel	Chrome	Strght-NonVented	0564DPDCHR*	0564D00CHR*	5.0/21.0
Water	Chrome	Strght-NonVented	0564DPWCHR	0564W00CHR	5.0/21.0
Waste	Chrome	Strght-NonVented	0563DP0CHR	0563000CHR	5.0/17.5

Tech Info

For Hose Size: 1-1/2"
 Screw Size: #8
 Mounting Hole Dia.: 2-1/8"
 O.D. Flange: 3-3/8"
Vented
 For Vent Hose: 5/8"
 Neck Length: 2-7/16"
Non-Vented
 Neck Length: 3-1/8"



*Note: Consider using the Mounting Ring (Fig. 0540DPRBLK) for all installations. DP package includes mounting ring. See Page E-36

SPARE PARTS ORDERING INFORMATION

Figs. 0564/0590/0591 Gas Cap, O-Ring & Retainer: 0590DPG99A Figs. 0564/0590/0591 Diesel Cap, O-Ring & Retainer: 0590DPD99A
 Figs. 0564/0590/0591 Water Cap, O-Ring & Retainer: 0590DPW99A Fig. 0563 Waste Cap with O-Ring: 0563DP099A
 O-Ring Only: 054000099B



NOTE: Fig. 0563 Complies with Adopted Standards on "Fittings" A.B.Y.C. Recommended Practices Standards Covering Sewage Holding and/or Treatment Devices for Marine Waste Systems.



PERKO®

EPA GAS DECK FILLS AND MATCHING WATER FILLS FOR 1-1/2" HOSE

Figs. 0642 & 0643 Sealed Ratcheting Cap Gas Fills
Figs. 0662 & 0663 Sealed Ratcheting Cap Gas Fills with Vacuum/Over Pressure Relief (VOPR)



CONSTRUCTION:

- Black or White Polymer Cap
- Black Polymer Body
- **Figs. 0642 & 0643**
- EPA Compliant Sealed Cap
- **Figs. 0662 & 0663**
- EPA Compliant Sealed Cap with Vacuum /Over Pressure Relief Valve



Figs. 0643 & 0663

Figs. 0642 & 0662

EPA Compliant Sealed Fuel Fill Ordering Information						
Marked For	Sealed Cap	Type	Neck	Dealer Pkg. - 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 25 Pcs.	Ship Wt. Lbs. DP/OEM Bulk
Gas	Blk Polymer	No VOPR	Angled	-----	0642G00BLK	--/10.3
Gas	Wht Polymer	No VOPR	Angled	-----	0642G00WHT	--/10.3
Gas	Blk Polymer	No VOPR	Straight	-----	0643G00BLK	--/11.2
Gas	Wht Polymer	No VOPR	Straight	-----	0643G00WHT	--/11.2
Gas	Blk Polymer	With VOPR	Angled	0662DPGBLK	0662G00BLK	3.0/10.3
Gas	Wht Polymer	With VOPR	Angled	0662DPGWHT	0662G00WHT	3.0/10.3
Gas	Blk Polymer	With VOPR	Straight	0663DPGBLK	0663G00BLK	3.0/11.2
Gas	Wht Polymer	With VOPR	Straight	0663DPGWHT	0663G00WHT	3.0/11.2

Tech Info
For Hose Size: 1-1/2"
For Vent Hose: 5/8"
O.D. Flange: 3-3/8"
Neck Length: 2-7/16"
Mounting Hole Dia.: 2-1/8"
Screw Size: #8
For Spare Cap Ordering Information See Page E-39

These fills meet the new CARB and EPA requirements of U.S.C.G. Safety Standards (July 31, 2011) for 40 CFR Parts 9, 60, 80 et al. Control of Diurnal Emissions From Nonroad Spark-Ignition Engines and Equipment.



Figs. 0542 & 0543 - Vented Water Fills - Patent Nos. 5,275,213 & 5,327,946

CONSTRUCTION:

- Black or White Polymer Cap with Black Polymer Body & Strap
- Integral Tank Vent with Flame Arrestor and Anti Surge Valve
- FIG. 1247 Deck Plate Key Included



Fig. 1247



Fig. 0543
Water

Fig. 0542
Water

Ordering Info					
Marked For	Cap Type	Neck	Dealer Pkg. 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 25 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
Water	Black Poly	Angled	0543DPWBLK	0543W00BLK	3.0/9.2
Water	Black Poly	Straight	0542DPWBLK	0542W00BLK	3.0/9.2

Tech Info
For Hose Size: 1-1/2"
For Vent Hose: 5/8"
O.D. Flange: 3-3/8"
Neck Length: 2-7/16"
Mounting Hole Dia.: 2-1/8"
Screw Size: #8

SPARE PARTS ORDERING INFORMATION

Black Water Cap, O-Ring & Retainer: 0542DPW99B
 White Water Cap, O-Ring & Retainer: 0542DPW99W O-Ring Only: 054000099B

Figs. 1418 & 1419 - Sealed Flip Top Cap Gas Fills

CONSTRUCTION:

- Black or White Polymer
- Integral Tank Vent with Flame Arrestor
- No Deck Plate Key or Ground Wire Required
- Flip Top Cap



Fig. 1418

Fig. 1419

EPA Compliant Sealed Fuel Fill Order Info				Tech Info
Cap	Neck	OEM Bulk Pkg. 25 Pcs.	Shipping Weight Lbs.	For Hose Size: 1-1/2"
Blk Polymer	35° Angled	1418G00BLK	9.9	For Vent Hose: 5/8"
Blk Polymer	Straight	1419G00BLK	7.6	Neck Length: 2-7/16"
Wht Polymer	Straight	1419G00WHT	7.6	Screw Size: #10



These fills meet the new CARB and EPA requirements of U.S.C.G. Safety Standards (July 31, 2011) for 40 CFR Parts 9, 60, 80 et al. Control of Diurnal Emissions From Nonroad Spark-Ignition Engines and Equipment.



Fig. 0577



Alternative Style Cap Available. Contact Factory.



Fig. 1247

Fig. 0577 - Vented Fuel Fill for 2 Inch Hose

Patent No. 5,275,213

CONSTRUCTION:

- Chrome Plated Bronze
- Integral Tank Vent with Flame Arrestor
- Deck Plate Key, O-Ring and Integral Retainer on Cap Included
- Ground Wire Required

AVAILABLE IN

Aluminum-Alloy
 For Complete Ordering Info: See Pgs R-183-184

Ordering Info		
Marked For: Gas Diesel	Std. Pkg. - 1 Pc.	Ship Wt. Carton Lbs. Std Pkg
	0577G00CHR*	2.0
	0577D00CHR	2.0

Tech Info
For Fuel Hose: 2"
For Vent Hose: 5/8"
Neck Length: 3-5/8"
Screw Size: #8



Fig. 0579



Alternative Style Cap Available. Contact Factory.



Fig. 1247

Fig. 0579 - Angled Vented Fuel Fill for 2 Inch Hose

Patent No. 5,275,213

CONSTRUCTION:

- Chrome Plated Bronze
- Integral Tank Vent with Flame Arrestor
- Angled Neck
- Deck Plate Key, O-Ring and Integral Retainer on Cap Included
- Ground Wire Required

AVAILABLE IN

Aluminum-Alloy
 For Complete Ordering Info: See Pgs R-183-184

Ordering Info		
Marked For: Gas Diesel	Std. Pkg. - 1 Pc.	Ship Wt. Carton Lbs. Std. Pkg.
	0579G00CHR*	2.5
	0579D00CHR	2.4

Tech Info
For Fuel Hose: 2"
For Vent Hose: 5/8"
Neck Length: 4-3/4"
Screw Size: #8



Fig. 0576



Fig. 1247

Fig. 0576 - Non Vented Fuel Fill for 2" Hose

CONSTRUCTION:

- Chrome Plated Bronze
- Deck Plate Key, O-Ring and Retainer on Cap Included
- Ground Wire Required

Ordering Info		
Marked For: Gas Diesel	Std. Pkg. 1 Pc.	Ship Wt. Carton Lbs. Std. Pkg.
	0576G00CHR*	1.2
	0576D00CHR	1.2

Tech Info
For Hose Size: 2"
O.D. Flange: 3-3/8"
Neck Length: 3-5/8"
Mounting Hole Dia.: 2-1/4"
Screw Size: #8

SPARE PARTS ORDERING INFORMATION

Gas Cap & O-Ring: 0576DPG99A Diesel Cap & O-Ring: 0576DPD99A
 Retaining Ring: 0537DP2 Deck Plate Key: 1247DP0BLK

*NOTE: These Items Meet the Requirements of U.S.C.G. Safety Standards, January 31, 1977, for Gasoline Fuel Systems, 33 CFR 183. Fills shown on this page **DO NOT** meet the requirements for 40 CFR 1060 sub part B Emissions Standards and Related Requirements.



PERKO® NON-EPA STYLE GAS FILLS FOR 1-1/2" HOSE

Figs. 0540, 0541, 0542, 0543, 0580, 0581, 0582, 0583, 0590 & 0591 - Vented Gas Fills

Patent Nos. 5,275,213 & 5,327,946

CONSTRUCTION:

- Black Polymer Body with Stainless Steel Bead Chain (except Figs 0542 & 0543)
- Integral Tank Vent with Flame Arrestor and Anti Surge Valve
- Deck Plate Key Included

Figs. 0580, 0581, 0582 & 0583

- Chrome Plated Bronze or Stainless Steel Scalloped Cap
- Fig 0580 & 0581 Color Coded Metallic Insert
- Fig 0582 & 0583 Color Coded Resin Insert



Fig. 0580 Fig. 0581 Fig. 0582 Fig. 0583



Fig. 1241

Figs. 0540, 0541, 0590 & 0591 Chrome Plated Bronze Cap



Fig. 0540
Shown with
Marinium Cap

Fig. 0541

Fig. 0590

Fig. 0591

Figs. 0542 & 0543 Black or White Polymer Top with Polymer Tether



Fig. 1247

Fig. 0542 Fig. 0543

Ordering Info - Non-EPA Vented Gas Fills

Marked For	Cap Type	Neck	Dealer Pkg - 5 Cds 1 Pc. per Card	OEM Bulk Pkg. 25 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
Gas	Chrome	Angled	0540DPGCHR*	0540G00CHR*	4.2/15.7
Gas	Chrome	Straight	0541DPGCHR*	0541G00CHR*	4.1/15.2
Gas	Black Poly	Angled	0542DPGBLK*	0542G00BLK*	3.0/9.2
Gas	White Poly	Angled	0542DPGWHT*	0542G00WHT*	3.0/9.2
Gas	Black Poly	Straight	0543DPGBLK*	0543G00BLK*	3.0/9.2
Gas	White Poly	Straight	0543DPGWHT*	0543G00WHT*	3.0/9.2
Gas	Chrome	Angled	-----	0580G00CHR*	---/17.2
Gas	Stainless	Angled	-----	0580G00STS*	---/15.8
Gas	Chrome	Straight	-----	0581G00CHR*	---/17.2
Gas	Stainless	Straight	-----	0581G00STS*	---/15.8
Gas	Chrome	Angled	0582DP0CHR*	0582G00CHR*	4.5/17.2
Gas	Stainless	Angled	-----	0582G00STS*	---/15.8
Gas	Chrome	Straight	0583DP0CHR*	0583G00CHR*	4.5/17.2
Gas	Stainless	Straight	-----	0583G00STS*	---/15.8
Gas	Chrome	Angled	0590DPGCHR*	0590G00CHR*	5.0/18.9
Gas	Chrome	Straight	0591DPGCHR*	0591G00CHR*	5.0/18.6

Tech Info

For Hose Size: 1-1/2"
For Vent Hose: 5/8"
O.D. Flange: 3-3/8"
Neck Length: 2-7/16"
Mounting Hole Dia.: 2-1/8"
Screw Size: #8

AVAILABLE IN



Figs. 0551, 0552, 0557 & 0564 - Non-Vented Gas Fills

CONSTRUCTION:

- Black Polymer Body with Stainless Steel Bead Chain
- Deck Plate Key Included

Figs. 0557 & 0564 Chrome Plated Bronze Cap

Figs 0551 & 0552 Chrome Plated Bronze or Stainless Steel Scalloped Cap

- Fig 0551 Color Coded Metallic Insert
- Fig 0552 Color Coded Resin Insert

Fig. 0557



Fig. 0551

Fig. 0552



Fig. 0564



Ordering Info - Non-Vented Gas Fills

Marked For	Cap Type	Neck	Dealer Pkg-5 Cds 1 Pc. per Card	OEM Bulk Pkg. 25 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
Gas	Chrome	Straight	-----	0551G00CHR*	---/20.5
Gas	Stainless	Straight	-----	0551G00STS*	---/18.0
Gas	Chrome	Straight	0552DP0CHR*	0552G00CHR*	4.9/19.8
Gas	Stainless	Straight	-----	0552G00STS*	---/18.5
Gas	Chrome	Straight	0557DPGCHR*	0557G00CHR*	4.0/18.0
Gas	Chrome	Straight	0564DPGCHR*	0564G00CHR*	5.0/21.0

Tech Info

For Hose Size: 1-1/2"
O.D. Flange: 3-3/8"
Neck Length: 3-1/8"
Mounting Hole Dia.: 2-1/8"
Screw Size: #8

*Note: Consider using the Mounting Ring (Fig. 0540DPBRLK) for all installations. DP package includes mounting ring. See Page E-36

For Spare Cap Ordering Information See Page E-38

NOTE: These Fills Meet the Requirements of U.S.C.G. Safety Standards, January 31, 1977, for Gasoline Fuel Systems, 33 CFR 183. Fills shown on this page DO NOT meet the requirements for 40 CFR 1060 sub part B Emissions Standards and Related Requirements.



Figs. 1318 & 1319 - Vented Flip Top Cap Fills For 1-1/2" Hose

Patent No. 5,275,213

CONSTRUCTION:

- Black or White Polymer
- Integral Tank Vent with Flame Arrestor
- No Deck Plate Key or Ground Wire Required
- Flip Top Cap



Fig. 1318



Fig. 1319

Fig. 1318 - 35° Angled Neck
Fig. 1319 - Straight Neck



8

Ordering Info

Marked For	Dealer Pkg. 10 Cards 1 Pc. per Card	OEM Bulk Pkg. 50 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
Gas	1318DPGBLK*	1318G00BLK*	5.5/17.8
Gas	1319DPGBLK*	1319G00BLK*	4.7/13.5
Gas	1319DPGWHT*	1319G00WHT*	4.7/14.1
Water	1319DPWBLK	1319W00BLK	4.7/14.0
Water	1319DPWWHT	1319W00WHT	4.7/13.9

Tech Info

For Hose Size: 1-1/2"
For Vent Hose: 5/8"
Neck Length: 2-7/16"
Screw Size: #10

Fig. 1613 - Non-Vented Polymer Gas Fill for 1-1/2" Hose

CONSTRUCTION:

- Fiber Reinforced, U.V. Stabilized Black Polymer
- No Deck Plate Key or Ground Wire Required
- Easy-Grip Cap
- O-Ring and Cap Retainer Included



Fig. 1613

Ordering Info

Marked For	Dealer Pkg. 10 Cards 1 Pc. per Card	OEM Bulk Pkg. 50 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
Gas	1613DP0BLK*	1613000BLK*	2.0/13.9

Tech Info

For Hose Size: 1-1/2"
O.D. Flange: 3-1/16"
Neck Length: 2-7/16"
Mounting Hole Dia.: 1-3/4"
Screw Size: #8

SPARE PARTS ORDERING INFORMATION

Cap with O-Ring and Retainer: 161300099A O-Rings (2 per bag): 1313DP099A

*NOTE: These Items Meet the Requirements of U.S.C.G. Safety Standards, January 31, 1977, for Gasoline Fuel Systems, 33 CFR 183. Fills shown on this page DO NOT meet the requirements for 40 CFR 1060 sub part B Emissions Standards and Related Requirements.

**NON-EPA STYLE GAS FILLS AND MATCHING DIESEL, WATER AND WASTE FILLS FOR 1-1/2" HOSE****Fig. 0520 - Non-Vented Fuel & Water Fills for 1-1/2" Hose****Fig. 0507 - Waste Deck Plate for Hose****CONSTRUCTION:**

- Chrome Plated Bronze
- Deck Plate Key and O-Ring Included
- Retainer on Cap (Fig. 0520 only)
- Cap Has a Slot Between the Holes
- Ground Wire Required on Fig. 0520 Gas Fills.

**Fig. 0520
Gas, Diesel & Water****Fig. 0507
Waste****Ordering Info**

Marked For	Dealer Pkg. - 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 25 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
Gas	0520DPGCHR*	0520G00CHR*	4.2/19.9
Diesel	0520DPDCHR	0520D00CHR	4.2/19.9
Water	0520DPWCHR	0520W00CHR	4.2/19.9
Waste	0507DP0CHR	0507000CHR	4.0/20.0

Tech Info

For Hose Size: 1-1/2"
O.D. Flange: 3-1/8"
Neck Length: 3-1/2"
Mounting Hole Dia.: 2-1/8"
Screw Size: #8

SPARE PARTS ORDERING INFORMATION

Fig. 0520 Cap with O-Ring and Retainer: 0520DP099A.

Fig. 0507 Waste Cap with O-Ring: 0507DP099A.

O-Rings Only (2 per bag): 0520DP099B Deck Plate Key: 12487-8DP.

**Fig. 1248**

8

Fig. 1270 - Non-Vented Fuel & Water Fills for 1-1/2" Hose**Fig. 1269 - Waste Deck Plate for Hose****CONSTRUCTION:**

- Chrome Plated Zinc Alloy
- Black Polymer Cap
- Deck Plate Key and O-Ring Included
- Integral Retainer on Cap (Fig. 1270 only)
- Cap Has a Slot Between the Holes
- Ground Wire Required on Gas Fills

**Fig. 1270
Gas, Diesel & Water****Fig. 1269
Waste****Ordering Info**

Marked For	Dealer Pkg. - 5 Cards 1 Pc. per Card	OEM Bulk Pkg. 25 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
Gas	1270DPGCHR*	1270G00CHR*	4.0/18.5
Diesel	1270DPDCHR	1270D00CHR	4.0/18.5
Water	1270DPWCHR	1270W00CHR	4.0/18.5
Waste	1269DP0CHR	1269000CHR	3.9/18.0

Tech Info

For Hose Size: 1-1/2"
O.D. Flange: 3-1/8"
Neck Length: 3-1/2"
Mounting Hole Dia.: 2-1/8"
Screw Size: #8

SPARE PARTS ORDERING INFORMATION

Fig. 1270 Gas Cap with O-Ring and Retainer: 1270DPG99A

Fig. 1270 Diesel Cap with O-Ring and Retainer: 1270DPD99A

Fig. 1270 Water Cap with O-Ring and Retainer: 1270DPW99A

Fig. 1269 Waste Cap with O-Ring: 1269DP099A

O-Rings Only (2 per bag): 0513DP8 Deck Plate Key: 12487-8DP

**Fig. 1248**

NOTE: Figs. 0507 & 1269 Comply with Adopted Standards on "Fittings" A.B.Y.C. Recommended Practices Standards Covering Sewage Holding and/or Treatment Devices for Marine Waste Systems.

*NOTE: These Items Meet the Requirements of U.S.C.G. Safety Standards, January 31, 1977, for Gasoline Fuel Systems, 33 CFR 183. Fills shown on this page DO NOT meet the requirements for 40 CFR 1060 sub part B Emissions Standards and Related Requirements.



Fig. 0599 - Non-Vented Gas Fill with Locking Cap for 1-1/2" Hose - Patent No. 3,828,714



Fig. 0599

CONSTRUCTION:

- Chrome Plated Bronze Flange and Black Polymer Body
- Black Polymer Cap with Strap
- Grounding Screw Included
- Cap Retainer and Gasket
- Locking Cap Has a Cover for the Key Hole

Ordering Info			
Marked For	Dealer Pkg.	OEM Bulk Pkg.	Ship Wt.
	5 Cards	25 Pcs.	Carton Lbs.
Gas	1 Pc. per Card	0599G00CHR*	DP/OEM Bulk
Diesel	0599DPGCHR*	0599D00CHR	3.1/13.5
	0599DPDCHR		3.1/13.5

Tech Info
For Hose Size: 1-1/2"
O.D. Flange: 3-3/8"
Neck Length: 3-1/8"
Mounting Hole Dia.: 2-1/8"
Screw Size: #8

SPARE PARTS ORDERING INFORMATION
Cap with O-Ring and 2 Keys: 1324DP1BLK.

Figs. 1313 & 1399 - Gas Fills for 1-1/2" Hose - Patent No. 3,828,714

CONSTRUCTION:

- Chrome Plated Zinc Alloy with Black Polymer Flange
- Black Polymer Cap with Strap
- Grounding Screw Included
- Cap Retainer and Gasket
- Fig. 1399 Locking Cap Has a Cover for the Key Hole



Fig. 1313

Ordering Info			
Marked For	Dealer Pkg.	OEM Bulk Pkg.	Ship Wt.
	5 Cards	50 Pcs.	Carton Lbs.
Gas*	1 Pc. per Card	1313000CHR	DP/OEM Bulk
Gas w/Lock*	1313DP0CHR	1399000CHR	3.1/24.7
	1399DP0CHR		3.6/25.6

Tech Info
For Hose Size: 1-1/2"
O.D. Flange: 3-1/8"
Neck Length: 1-7/8"
Mounting Hole Dia.: 2-1/8"
Screw Size: #6

SPARE PARTS ORDERING INFORMATION

Non-Locking Cap: 0126DP0BLK Locking Cap with 2 Keys: 1324DP0BLK

Fig. 1399

Fig. 0527 - Gas Fill for 1-1/2" Hose

CONSTRUCTION:

- Chrome Plated Bronze
- 35° Angled Hose Bib
- Deck Plate Key, O-Ring and Retaining Cable on Cap Included
- Cap Has A Slot Between the Holes
- Ground Wire Required



Fig. 0527



Fig. 1247

Ordering Info		
Marked For	Standard Pkg. - 1 Pc.	Ship Wt.
	Gas	0527G08CHR*
		Std. Pkg.
		2.7

Tech Info
For Hose Size: 1-1/2"
O.D. Flange: 3-1/2"
Neck Length: 4-7/8"
Mounting Hole Dia.: 2-1/4"
Screw Size: #10

SPARE PARTS ORDERING INFORMATION

Cap with O-Ring and Retainer: 0528DP899A O-Rings Only (2 per bag): 0513DP8
Deck Plate Key: 1247DP0BLK

*NOTE: These Items Meet the Requirements of U.S.C.G. Safety Standards, January 31, 1977, for Gasoline Fuel Systems, 33 CFR 183. Fills shown on this page DO NOT meet the requirements for 40 CFR 1060 sub part B Emissions Standards and Related Requirements.



NON-EPA STYLE GAS, DIESEL, WATER, WASTE AND UNMARKED FILLS FOR PIPE

Fig. 0528 - Fuel, Water & Unmarked Fills for Pipe

Fig. 0524 - Waste Deck Plate for Pipe

CONSTRUCTION:

- Cast Bronze, Plain or Chrome Plated
- 1-1/4 and 1-1/2 Inch Caps Have a Slot Between the Holes
- Deck Plate Key and O-Ring Included
- Sizes 9, 10 & 11 Have 4 Mounting Holes



Fig. 1248



Fig. 0528 Unmarked Shown in Marinium



Fig. 0528 Gas



Fig. 0528 Diesel



Fig. 0528 Water



Fig. 0524 Waste

AVAILABLE IN

Marinium
Aluminum-Alloy

For Complete Ordering Info: See Pgs R-185-186

Ordering & Tech Information

For Unmarked Fills

Pipe Size Inches	O.D. Flange Inches	Plain Bronze Std. Pkg. - 1 Pc.	Chr. Plated Bronze Std. Pkg. - 1 Pc.	Chr. Pltd Bronze OEM Bulk Pkg. 10 Pcs.	Ship Wt. Carton Lbs. PLB/CHR/OEM Bulk
1	2-7/8	0528006PLB	0528006CHR	-----	0.8/0.8/--
1-1/4	3-5/16	0528007PLB	0528007CHR	-----	0.8/0.8/--
1-1/2	3-5/8	0528008PLB	0528DP8CHR*	0528008CHR	1.0/4.7/9.4
2	4-1/4	0528009PLB	0528009CHR	-----	2.0/2.1/--
2-1/2	4-5/8	0528010PLB	0528010CHR	-----	2.0/2.1/--
3	5-3/8	0528011PLB	0528011CHR	-----	3.0/3.1/--

For Gas Fills**

Pipe Size Inches	O.D. Flange Inches	Plain Bronze Std. Pkg. - 1 Pc.	Chr. Plated Bronze Std. Pkg. - 1 Pc.	Chr. Plated Bronze OEM Bulk Pkg. 10 Pcs.	Ship Wt. Carton Lbs. PLB/CHR/OEM Bulk
1-1/2	3-5/8	0528G08PLB	0528DPGCHR*	0528G08CHR	1.0/5.0/9.5
2	4-1/4	-----	0528G09CHR	0528G09CHR	--/2.1/18.0

For Diesel Fills

Pipe Size Inches	O.D. Flange Inches	Plain Bronze Std. Pkg. - 1 Pc.	Chr. Plated Bronze Std. Pkg. - 1 Pc.	Chr. Plated Bronze OEM Bulk Pkg. 10 Pcs.	Ship Wt. Carton Lbs. PLB/CHR/OEM Bulk
1-1/2	3-5/8	0528D08PLB	0528DPDCHR*	0528D08CHR	1.0/5.1/9.5
2	4-1/4	0528D09PLB	0528D09CHR	-----	2.0/2.0/--

For Water Fills

Pipe Size Inches	O.D. Flange Inches	Plain Bronze Std. Pkg. - 1 Pc.	Chr. Plated Bronze Dealer Pkg. 5 Pcs.	Chr. Plated Bronze OEM Bulk Pkg. 10 Pcs.	Ship Wt. Carton Lbs. PLB/CHR/OEM Bulk
1-1/2	3-5/8	0528W08PLB	0528DPWCHR	0528W08CHR	1.0/5.0/9.0

For Waste Fills

Pipe Size Inches	O.D. Flange Inches	Plain Bronze Std. Pkg. - 1 Pc.	Chr. Plated Bronze Dealer Pkg. 5 Pcs.	Chr. Plated Bronze OEM Bulk Pkg. 10 Pcs.	Ship Wt. Carton Lbs. PLB/CHR/OEM Bulk
1-1/2	3-5/8	-----	0524DP0CHR	0524000CHR	4.8/9.4

Screw Sizes: 2-1/2 and 3 Inch Deck Plates #10, All Others #8.

* Dealer Package 5 Pcs., 1 Pc. per Card

SPARE PARTS ORDERING INFORMATION

Pipe Size Inches	Plain Bronze Cap with O-Ring	Chr. Plated Bronze Cap with O-Ring	Chr. Plated Bronze Waste Cap w/O-Ring	O-Rings Only (2/bag, 5 bags/Pkg)	Spare Key
1	0528P0699A	0528C0699A	-----	0513006	1248006DP***
1-1/4	0528P0799A	0528C0799A	-----	0513007	12487-8DP***
1-1/2	0528P0899A	0528DP899A*	0524DP099A	0513DP8	12487-8DP***
2	0528P0999A	0528C0999A	-----	0513009	1248009DP***
2-1/2	0528P1099A	0528C1099A	-----	0513010	1248010ZNC
3	0528P1199A	0528C1199A	-----	0513011	052801199C

* Dealer Pkg. - 5 pcs. (1 pc. per card) *** Dealer Pkg. - 10 pcs. (1 pc. per card)

NOTE: Fig. 0524 Complies with Adopted Standards on "Fittings" A.B.Y.C. Recommended Practices Standards Covering Sewage Holding and/or Treatment Devices for Marine Waste Systems.

*NOTE: These Items Meet the Requirements of U.S.C.G. Safety Standards, January 31, 1977, for Gasoline Fuel Systems, 33 CFR 183. Fills shown on this page DO NOT meet the requirements for 40 CFR 1060 sub part B Emissions Standards and Related Requirements.



Counter Display



Fig. 0525

Fig. 0525 - Fuel System Locking Insert for 1-1/2" Vented Fills

CONSTRUCTION:

- Black Polymer with Zinc Alloy Lock Cylinder
- Dual Purpose Key Opens Fill Cap & Locking Insert
- Fits Most PERKO® Vented Fills
- Available in Dealer Package or 12 Piece Countertop Display

Note: Not for use with with EPA Compliant gas fills with Vacuum Over Pressure Relief valves (VOPR) Perko Fig No's 0660, 0662, 0780, 0782 & 0790

Ordering Info & Tech Info

Dealer Pkg. - 5 Cards 1 Pc. Per Card 0525DP0BLK	P.O.P. Display 12 Pcs. 0525DP0DIS	Ship Wt. Carton Lbs. DP/P.O.P. Display 1.2/3.3
--	--	---

9



Fig. 1324



Fig. 0520 Fill Shown with Locking Cap

Fig. 1324 - Fuel System Locking Cap For 1-1/2" Non-Vented Fills

CONSTRUCTION:

- Black Polymer with Gasket
- Built in Lock Cylinder
- Size #0 Fits PERKO Fills 1313 & 1399
- Size #1 Fits PERKO Fills 0520, 0527, 0528, 0557, 0599 and 1270

Ordering Info & Tech Info

Dealer Pkg. 5 Cards 1 Pc. Per Card 1324DP0BLK 1324DP1BLK	Cap Outside Thread Diameter Inches 1-15/32 1-7/8	Ship Wt. Carton Lbs. Dealer Lbs. 1.0 1.1
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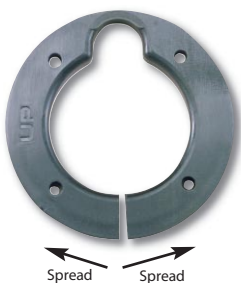


Fig. 0540DPR

Fig. 0540 Ring - Spare Mounting Ring

CONSTRUCTION:

Installation Note: on the use of Vented Fuel Fills • Black Polymer
PERKO® Fig. Nos. 0540, 0541, 0542, 0543, 0580, 0581, 0582, 0583, 0590, 0591, 0640, 0641, 0642, 0643, 0680, 0681, 0682, 0683, 0690 & 0691

The use of these heightening rings is required in any application where water might be splashed around a vented fill. The ring raises the opening between the fuel cap and fill an additional 3/8" above the deck surface, thereby reducing the likelihood that splashed water will enter the fuel system through the breathing vent. The split version of the ring is designed for aftermarket use on existing installations. In most cases, it allows the ring to be added without disconnecting fuel and vent hoses from the fill. For new OEM installations, rings are supplied without the split since they can be installed before hoses are connected to the fill.

NOTE: The ring will not prevent water from entering the system if the cap becomes submerged or substantially flooded. If this situation exists, the fill/vent must be moved to a dry location or replaced with a sealed cap and a separate vent located elsewhere.

Ordering Information

Dealer Pkg. - 5 Cards 1 Pc. Per Card 0540DPRBLK	OEM Bulk Pkg. 50 Pcs. 0540RNGBLK
--	---



Fig. 0537

Fig. 0537 - Retaining Cable for Deck Plates

CONSTRUCTION:

- Stainless Steel Cable and Fittings
- Stainless Steel Ring and Self Tapping Screw

Ordering Info & Tech Info

Fill Hose Size Inches 1-1/2 2	Ring Dia. Inches 1-3/8 2	Length Cable Inches 7 7	Dealer Pkg. - 5 Cards 1 Pc. per Card 0537DP 0537DP2	Ship Wt. Carton Lbs. Dealer Pkg. 0.4 0.4
--	---------------------------------------	--------------------------------------	---	--



Fig. 1241 - Deck Plate Key

CONSTRUCTION:

- Black Polymer
- 2 Holes for Key Chain

Fits PERKO 0552, 0568, 0569, 0580, 0581, 0582 and 0583 Deck Plates
 Also fits PERKO 1-1/4" and 1-1/2" Deck Plates
 and Many Other "Slot" Type Opening Deck Plates



Fig. 1241

Ordering Info

Dealer Pkg. 10 Cards 1 Pc. per Card	OEM Bulk Pkg. 50 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
1241DP0BLK	1241000BLK	1.0/2.0

Tech Info

Center to Center of Lugs:
1-1/8"
 Length Spade: 1"
 Length Overall: 4"

Fig. 1247 - Deck Plate Key

CONSTRUCTION:

- Black Polymer

Compact Size with Hole for Key Chain. Fits PERKO 1-1/4" and 1-1/2" Deck Plates
 and Many Other "Slot" Type Opening Deck Plates



Fig. 1247

Ordering Info

Dealer Pkg. 10 Cards 1 Pc. per Card	OEM Bulk Pkg. 50 Pcs.	Ship Wt. Carton Lbs. DP/OEM Bulk
1247DP0BLK	1247000BLK	0.7/0.7

Tech Info

Center to Center of Lugs:
1-1/8"
 Length Spade: 1"
 Length Overall: 1-3/4"

Fig. 1248 - Deck Plate Key

CONSTRUCTION:

- Black Polymer or Zinc Alloy

The Keys For 1" Thru 1-1/2" Deck Plates Have a 1 Inch Spade on Handle
 That Fit Many Other "Slot" Type Opening Deck Plates



Fig. 1248

Ordering Info

For Deck Plate Size Inches	C. to C. of Lugs	Length Overall Inches	Material	Dealer Pkg. 10 Cards 1 Pc. per Card	Std. Pkg. 50 Pcs.	Ship Wt. Carton Lbs. DP/Std. Pkg.
1	5/8	3-3/8	Polymer	1248006DP	-----	1.0/---
1-1/4 & 1-1/2	1-1/8	3-3/8	Polymer	12487-8DP	12487-8BLK	1.0/1.4
2	1-11/16	4-3/8	Zinc	1248009DP	-----	2.0/---
2-1/2	2	4-3/8	Zinc	-----	1248010ZNC*	---/0.2

*Standard Pkg. - 1 Pc.

Fig. 0826 - Adjustable Deck Plate Key

CONSTRUCTION:

- Chrome Plated Zinc Alloy
- Hardened Steel Pin
- Will Fit Sizes up to 8 Inch Diameter



Fig. 0826

Ordering Info & Tech Info

Length Overall Inches	Dealer Pkg. - 5 Cards 1 Pc. per Card	Ship Wt. Carton Lbs. Dealer Pkg.
8-1/2	0826DP0CHR	3.4

PERKO®

REPLACEMENT CAPS FOR DIESEL, WATER, WASTE AND NON-EPA GAS FILLS



***Warning: These caps are not for use with EPA Compliant sealed fuel systems.**

Style	Description	Used on	Catalog Number
	Fig 0540 Style Chrome Plated Bronze Vented Cap complete with O-Ring	Figs. 0540, 0541, 0556 & 0557	Gas: 0540DPG99A* Diesel: 0540DPD99A Water: 0540DPW99A Waste: 0556DPG99A
	Fig 0542 Style Black or White Polymer Vented Cap complete with O-Ring & Retainer	Figs. 0542, 0543,	Gas: Blk: 0542DPG99B* Wht: 0542DPG99W* Water: Blk: 0542DPW99B Wht: 0542DPW99W
	Fig 0582 Style Scalloped Chrome Plated Bronze Vented Cap complete with O-Ring	Figs. 0582 & 0583	0582DPC99A* (Includes 3 inserts Gas*, Diesel & Water) 
	Fig 0552 Style Scalloped Chrome Plated Bronze Non-Vented Cap complete with O-Ring	Figs. 0552 & 0569	0552DPC99A* (Includes 4 inserts Gas*, Diesel, Water & Waste) 
	Fig 0590 Style Chrome Plated Bronze Vented Cap complete with O-Ring & Retainer. **Note: Fig 0563 Cap is Non-Vented.	Figs. 0563, 0564, 0590 & 0591	Gas: 0590DPG99A* Diesel: 0590DPD99A Water: 0590DPW99A Waste: 0563DP099A**
	Fig 0520, 0524 & 0507 Style Chrome Plated Bronze Non-Vented Cap complete with O-Ring & Retainer.	Figs. 0507 Waste, 0520 Gas, Diesel, Water 0524 Waste 0528 Various	Fig. 0507: 0507DP099A Fig. 0520: 0520DP099A Fig. 0524: 0524DP099A Fig. 0528: See Page E-35
	Fig 1270 Style Chrome Plated Zinc Alloy Non-Vented Cap complete with O-Ring & Retainer.	Fig. 1270	Gas: 1270DPG99A Diesel: 1270DPD99A Water: 1270DPW99A
	Fig 0576 Style Chrome Plated Bronze Vented Cap for 2" Fills complete with O-Ring	Figs. 0576, 0577 & 0579	Gas: 0576DPG99A* Diesel: 0576DPD99A
	Metallic Insert Kit Replacement decal kit. Contains one each Gas, Diesel, Water & Waste Metallic Decals	Figs. 0580, 0581, 0551 & 0568	0030DP0005
	Resin Insert Kit Replacement decal kit. Contains one each Gas, Diesel, Water & Waste Resin decals	Figs. 0552, 0569, 0582 & 0583	0030DP0004



REPLACEMENT CAPS FOR EPA COMPLIANT SEALED GAS FILLS

These caps meet the new CARB and EPA requirements of U.S.C.G. Safety Standards (July 31, 2011) for 40 CFR Parts 9, 60, 80 et al. Control of Diurnal Emissions From Nonroad Spark-Ignition Engines and Equipment.

EPA Compliant Sealed Fuel Fill Caps with Vacuum Over Pressure Relief

<p>A</p>  <p>0640/0660 Style For 1-1/2" Fills for Hose</p> <ul style="list-style-type: none"> • Chrome Plated Bronze Sealed Gas Cap with O-Ring and Retainer. 	<p>E</p>  <p>0680/0780 Style with Metallic Insert Set For 1-1/2" Fills for Hose</p> <ul style="list-style-type: none"> • Stainless Steel Scalped Sealed Cap with Color Coded Metallic Decals for Gas, Diesel, Water & Waste with O-Ring and Retainer.
<p>B</p>  <p>0642/0662 Style Black For 1-1/2" Fills for Hose</p> <ul style="list-style-type: none"> • Black Polymer Sealed Gas Cap with O-Ring and Retainer. 	<p>F</p>  <p>0680/0780 Style with No E-15 Insert For 1-1/2" Fills for Hose</p> <ul style="list-style-type: none"> • Stainless Steel Scalped Sealed Cap with Red Metallic Decal with O-Ring and Retainer.
<p>C</p>  <p>0642/0662 Style White For 1-1/2" Fills for Hose</p> <ul style="list-style-type: none"> • White Polymer Sealed Gas Cap with O-Ring and Retainer. 	<p>G</p>  <p>0680/0780 Style with Gray Gas Insert For 1-1/2" Fills for Hose</p> <ul style="list-style-type: none"> • Stainless Steel Scalped Sealed Cap with Gray Metallic Decal, O-Ring and Retainer.
<p>D</p>  <p>0690/0790 Style For 1-1/2" Fills for Hose</p> <ul style="list-style-type: none"> • Chrome Plated Bronze Sealed Gas Cap with O-Ring and Retainer. 	<p>H</p>  <p>0682/0782 Style with Resin Insert Set For 1-1/2" Fills for Hose</p> <ul style="list-style-type: none"> • Stainless Steel Scalped Sealed Cap with Red Resin Decals for Gas, Diesel, Water & Waste with O-Ring and Retainer.



NEW PRODUCT

Dealer Packaged EPA Compliant Sealed Caps **with** Vacuum Over Pressure Relief valve (VOPR)

For use with PERKO® EPA Compliant Fills:

Figs. 0640, 0641, 0642, 0643, 0660, 0661, 0662, 0663, 0680, 0681, 0682, 0683, 0690, 0691, 0780, 0781, 0782, 0783, 0790 & 0791

EPA Compliant Sealed Fuel Fill Cap Ordering Information

Cap Style	Cap Type	Insert Type	For Use with PERKO® EPA Compliant Fills	Dealer Pkg. 5 Pcs. 1 Pc. per Card	Carton Ship Wt. Lbs. Dealer Pkg.
A	Chrome	None	0640/0641/0660/0661	0660DPG99A	2.6
B	Black Polymer	None	0642/0643/0662/0663	0662DPG99B	1.3
C	White Polymer	None	0642/0643/0662/0663	0662DPG99W	1.3
D	Stainless	Metallic	0680/0681/0780/0781	0780DPG98S	2.2
E	Stainless	Gray Metallic	0680/0681/0780/0781	0780DPG98G	2.2
F	Stainless	Metallic no E-15	0680/0681/0780/0781	0780DPG98N	2.2
G	Stainless	Resin	0682/0683/0782/0783	0782DPG98S	2.2
H	Chrome	None	0690/0691/0790/0791	0790DPG99A	2.6



10

Navigation Light Sets



Page: R•11

Navigation Light Sets



Page: R•12

Navigation Light Sets



Page: R•13

Navigation Light Sets



Pages: R•14-15

Navigation Light Sets



Pages: R•16-17

Navigation Light Sets



Pages: R•18-19

Navigation Light Sets



Page: R•20

Navigation Light Sets



Pages: R•21-23

Navigation Light Sets



Page: R•24

Navigation Light Sets



Page: R•25

Navigation Light Sets



Page: R•26

Navigation Light Sets



Page: R•27

Navigation Lights



Page: R•28

Navigation Lights



Page: R•29

Removable Bi-Color Lights



Pages: R•30-31

White All-Round Lights



Page: R•34

White All-Round Lights



Page: R•35

White All-Round Lights



Page: R•36

Tri-Color, Combo Wht/All-Rnd & Masthead Lts.



Pages: R•37-38

LED Masthead & Combo Wht/All-Rnd Masthead Lights



Page: R•39



Folding Mount Bases



Pages: R•40-41

Masthead/Spreader Lt & White All-Rnd Light



Page: R•42

Fixed Mt. Wht All-Rnd Lights



Page: R•43

Wht All-Rnd, Masthead & Stern Lights



Pages: R•44-45

STEALTH Series Wht All-Rnd Pole Lights



Pages: R•48-49

Omega Series Wht All-Rnd Pole Lights



Pages: R•50-51

Delta & Coastal Series Wht All-Rnd Pole Lights



Pages: R•52-53

Alpha Series Wht All-Rnd Pole Lights



Pages: R•54-55

Inland Series Wht All-Rnd Pole Lights



Page: R•56

Combination Masthead Wht All-Rnd Pole Lights



Page: R•57

Wht All-Rnd Light Pole and Base Combinations



Page: R•58

Heavy Duty Pole Lights



Pages: R•60-61

Pole Light Mounting Bases



Pages: R•62-63

Replacement Bases



Page: R•64

Rail Mount Bases



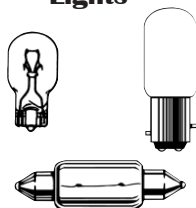
Page: R•65

Replacement Lenses



Page: R•66

Bulbs for Navigation Lights



Page: R•67

Pole Light Accessories



Page: R•68

Docking & Utility Lights



Page: R•69

Utility Lights



Page: R•70



Utility Lights



Page: R•70

Utility Lights



Page: R•71

Utility & Dome Lights



Page: R•72

Dome Lights



Page: R•73

Dome Lights



Page: R•74

Bulkhead & Surface Mt Lights



Page: R•75

Deck Spreader Lights and Meal & Absent Lt.



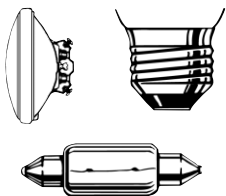
Page: R•76

Spreader Lights



Page: R•77

Bulbs for Utility Lights



Page: R•79

Surface Mount Underwater Lights



Pages: R•80-81

Thru-hull Mount Underwater Lights



Pages: R•82-83

Sealed Beam Searchlights



Page: R•86

Compact Battery Switches



Page: R•89

Medium Duty Battery Switches



Pages: R•90-91

Heavy Duty Battery Switches



Page: R•92

Switches, Fuse Holder & Deck Connection



Page: R•93

Cable Outlet & Straps



Page: R•94

Fog Horn, Whistle, Chain & Weatherstripping



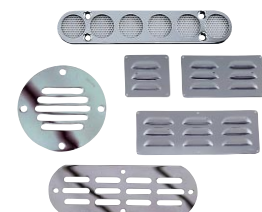
Page: R•95

Fog Bells



Pages: R•96-97

Compartment Ventilators



Pages: R•98-99

10



Cowl & Clam Shell Ventilators



Page: R•100

FlushPro™



Page: R•101

Flushing Strainer



Page: R•102

Clear Body Strainer



Page: R•103

Intake Water Strainers



Pages: R•104-105

Strainers



Page: R•107

Seacocks & Valves



Page: R•108

Valves & Pipe to Hose Adapters



Page: R•109

Thru-Hull Connections



Pages: R•110-111

Thru-Hull Connections



Page: R•112

Scuppers



Page: R•113

Scuppers & Shower Drain



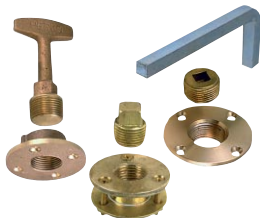
Page: R•114

Scuppers & Spare Nuts



Page: R•115

Garboard Drain Plugs



Page: R•116

Water Inlet Fittings & Deck Plate



Page: R•118

Cleats



Page: R•119

Cleats



Page: R•120

Cleats



Page: R•121

Cleats



Page: R•122

Chocks



Page: R•123



10

Anchor Chock, Grab Rail Posts & Rigging Tube



Page: R•124

Hawse Hole Plate, Mooring Bitt & Bow Eye



Page: R•125

Rope & Chain Deck Pipes



Page: R•126

Step Plates & Steps



Page: R•127

Handles



Page: R•128

Rowlock Horns and Sockets



Page: R•129

Rowlock Horns, Sockets and Oar Leather



Pages: R•130-131

Flag Poles & Sockets



Pages: R•132-133

Fender Lock, Hook, Eye Snap & Dock Line Spring



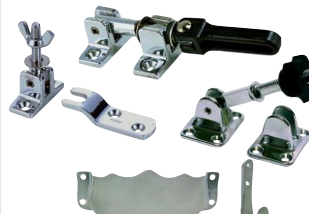
Page: R•134

Rope Pulleys, Clamps & Guides



Page: R•135

Hatch & Windshield Fasteners & Axe Bracket



Page: R•136

Boat Hooks, Buoy Holders, Eye Straps & Spring Clamps



Page: R•137

Hatch Adjusters, Braces & Fasteners



Page: R•138

Windshield Adjusters



Page: R•139

Hold-Down Clamps



Page: R•140

Hasps



Page: R•141

Butt Hinges



Pages: R•142-144

Hinges



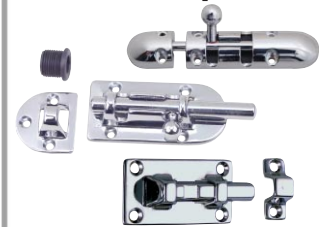
Pages: R•145-146

Hinges & Hatch Trim



Page: R•147

Barrel & Ship Bolts



Page: R•148



Cabin Door Hooks



Page: R•149

Door Stops, Holders & Buttons



Page: R•150

Door Catches & Slam Cam Bar



Page: R•151

T-Handle Locks & Latches



Pages: R•152-153

T-Handle Locks



Pages: R•154

Flush Locks & Latches



Page: R•155

Flush Locks & Latches



Page: R•156

Slam Latches



Page: R•157

Shower Door Latches



Page: R•158

Determining the Hand of a Latch



Page: R•159

Mortise Locks & Latches



Page: R•160-161

Flush Locks & Latches



Page: R•162

Lock & Latch Sets



Page: R•163

Lock & Latch Sets



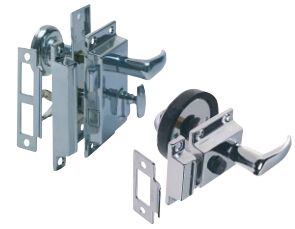
Page: R•164

Lock & Latch Sets



Page: R•165

Lock & Latch Sets



Page: R•166

Lock & Latch Sets



Page: R•167

Square Hatch Dogs



Page: R•168

Round Hatch Dogs



Page: R•169

Cupboard Bolt, Turn, Catch & Latches



Page: R•170



Cabinet Lock, Pull and Catches



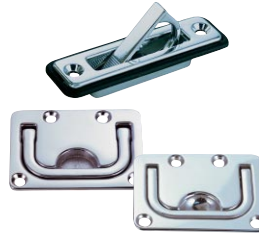
Page: R•171

Catches, Knob & Pulls



Page: R•172

Pulls & Lifting Handles



Page: R•173

Flush Pulls



Page: R•174

Pulls & Window Handle



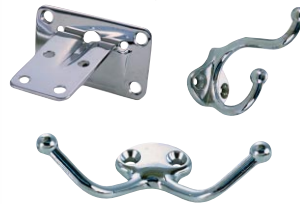
Page: R•175

Door/Window Stops & Fasteners



Page: R•176

Table Brackets & Utility Hooks



Page: R•177

Utility Hook, Boat Covers Sockets & Fasteners



Page: R•178

Fishing Rod Holders



Page: R•179

Fishing Rod Holders



Page: R•180

Clamp-On Rod Holders



Page: R•181

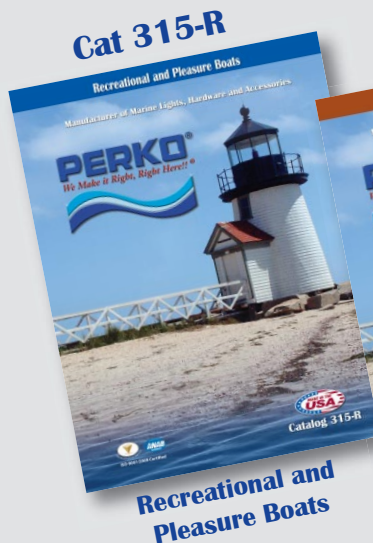
Fishing Rod Holders Accessories



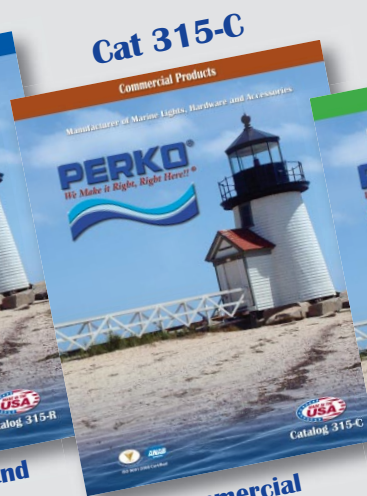
Page: R•182

10

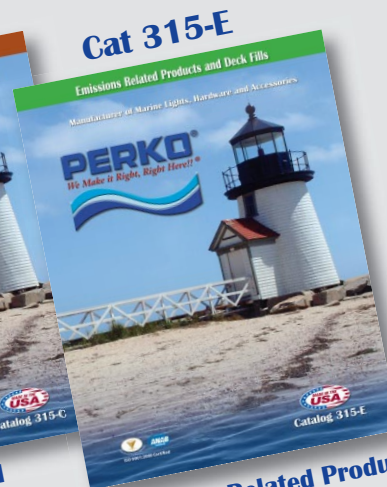
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Recreational and Pleasure Boats



Commercial Products



Emissions Related Products and Deck Fills



L.E.D. Navigation Lights



Pages C•10-11

L.E.D. Navigation Lights



Pages C•12-13

L.E.D. Navigation Lights



Pages C•14-15

L.E.D. Navigation Lights



Page C•16

L.E.D. Navigation Lights



Page C•17

Navigation Lights



Page C•18

Navigation Lights



Page C•19

Navigation Lights



Page C•20

Navigation Lights



Page C•21

Navigation Lights



Page C•24

Navigation Lights



Page C•26

Navigation Lights



Page C•27

Special Purpose Lights



Page C•28

Special Purpose Lights



Page C•29

Navigation Lights



Pages C•30-31

Navigation Lights



Page C•34

Dome Lights



Page C•36

Dome Lights



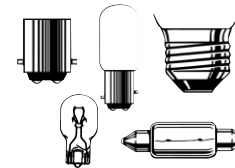
Page C•37

Dome Lights



Page C•38

Bulbs



Page C•39



Lenses & Spare Parts



Page C•40

XR-Series Searchlights



Pages C•41-43

XR-Series Searchlights Spare Parts



Pages C•44-46

19" Solar-Ray Searchlights



Pages C•47-49

Deck Control Searchlights



Pages C•52-53

Lever Control Searchlights



Pages C•54-55

Lever/Gear Control Searchlights



Pages C•56-57

Distant Electric Control Searchlights



Page C•58

Sealed Beam Searchlights



Pages C•62-63

Sealed Beam Searchlights



Page C•64

Compact Battery Switches



Page C•67

Selector & Disconnect Battery Switches



Pages C•68-69

Heavy Duty Battery Switches



Page C•70

Fog Bells



Page C•71

Heavy Duty Intake Water Strainer



Pages C•72-73

Intake Water Strainers



Pages C•74-75

Duplex Intake Water Strainer



Page C•76

Clear Body Intake Water Strainer



Page C•77

Flushing Intake Water Strainer



Page C•78

FlushPro™



Page C•79



Strainers



Page C•80

Garboard Drain Plugs



Page C•81

Seacocks



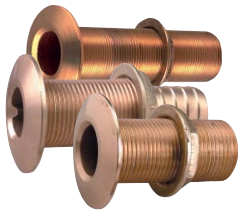
Page C•82

Valves & Adapters



Page C•83

Thru-Hulls



Page C•84

Determining the Hand of a Latch



Page C•85

Locks & Latches



Page C•86

Locks & Latches



Page C•87

Locks & Latches



Page C•88

Locks & Latches



Page C•89

Locks & Latches



Pages C•90-91

Rectangular Hatch Dog



Page C•92

Round Hatch Dog



Page C•93

Deck Plate & Cleats



Page C•94

Misc. Hardware



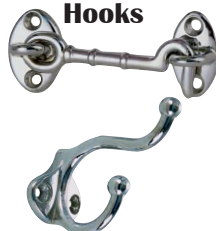
Page C•95

Clamps, Hasps & Barrel Bolts



Page C•96

Cabin Door & Utility Hooks



Page C•97



NUMERIC INDEX FOR CATALOGS 315-C, 315-E & 315-R

Fig. No.	Cat. Type	Page No.	Fig. No.	Cat. Type	Page No.	Fig. No.	Cat. Type	Page No.	Fig. No.	Cat. Type	Page No.
C= Commercial Cat. 315-C E= Emissions Cat. 315-E R= Recreational Cat. 315-R			0119MAR	R	183	0197	R	146	0265	R	78
0004	C	27	0120	R	146	0200	C	30	0266	C	81
0005	C	27	0124	R	116	0200	R	22	0266	R	116
0007	C	27	0125	R	39,57,58	0201	R	66	0268	R	66
0024	C	38	0126	E	34	0202	R	69	0269	C	40
0024	R	44,73	0127	C	71	0202MAR	R	183	0269	R	20
0030	E	38	0127	R	96	0203	R	69	0271	R	146
0030	R	68	0131	C	27	0203MAR	R	185	0272	R	146
0042	R	93	0132	C	36	0210	C	16	0273	R	66
0052	C	38	0132	R	75	0210	R	21	0276	C	38
0061	R	82	0133	C	28	0212	R	147	0277	R	66
0063	C	83	0134	C	40	0217	R	76	0278	R	66
0063	R	109	0134	R	25	0218	R	133	0280	R	78
0064	R	31	0135	R	26	0218MAR	R	183	0281	R	66
0065	C	80	0136	R	28	0219	R	133	0283	R	66
0065	R	107	0137	R	70	0219MAR	R	183	0284	R	66
0066	C	80	0139	R	28	0220	R	133	0285	R	115
0066	R	107	0140	R	70	0220MAR	R	183	0290	C	27
0066	R	107	0142	R	115	0221	R	133	0294	C	40
0067	C	39	0143	C	25	0221MAR	R	183	0295	R	66
0067	R	67	0144	C	71	0222	R	23	0296	R	66
0068	R	42	0144	R	96	0224	R	23	0297	R	66
0068	R	42	0145	R	70	0227	R	17	0298	R	66
0069	C	39	0148	R	177	0228	R	16	0300	C	38
0069	R	67,79	0149	R	147	0229	R	13	0300	R	73
0070	C	39	0150	C	71	0232	R	13	0301	R	112
0070	R	67,79	0150	R	96	0233	R	131	0303	C	40
0071	C	39	0152	R	147	0238	R	66	0305	C	62
0071	R	67	0155	R	138	0239	R	66	0309	C	29
0072	C	39	0158	C	71	0240	R	66	0313	C	62
0072	R	67	0158	R	97	0241	R	66	0314	C	63
0074	R	66	0159	R	97	0244	C	38	0315	R	100
0075	R	115	0162	R	95	0244	R	73	0318	C	37
0076	C	83	0163	R	94	0245	C	38	0318	R	76
0076	R	109	0164	R	94	0245	R	73	0322	C	84
0077	R	82	0165	R	94	0247	R	66	0322	R	111
0078	R	82	0166	R	96	0248	R	66	0323	R	113
0082	R	139	0170	C	34	0249	C	40	0325	C	95
0086	C	80	0170	R	18	0249	R	25	0325	R	136
0086	R	107	0170BMD	R	42	0252	R	15	0326	R	115
0093	R	22	0170LED	C	17	0253	R	14	0327	R	113
0095	R	22	0170SWB	R	36	0254	R	12	0328	R	112
0106	C	40	0171	C	71	0256	C	40	0329	R	77
0106	R	20	0171	R	96	0256	R	20	0330	R	98
0108	R	20	0172	C	71	0257	C	36	0331	R	111
0109	R	20	0172	R	96	0257	R	73,75	0333	R	113
0110	R	20	0174	R	82	0258	R	147	0334	R	99
0111	R	20	0175	R	83	0259	C	40	0335	R	99
0112	C	29	0176	R	82	0259	R	66	0336	R	99
0113	R	96	0178	R	80	0260	R	66	0337	C	39
0114	R	14,15	0179	C	71	0261	C	40	0337	R	67,79
0119	R	123	0179	R	97	0261	R	66	0338	C	39
			0181	R	81	0264	R	29	0338	R	67



NUMERIC INDEX FOR CATALOGS 315-C, 315-E & 315-R

Fig. No.	Cat. Type	Page No.
0339	R	100
0340	C	39
0340	R	67,79
0341	C	24,25
0342	C	40
0343	R	113
0344	R	127
0347	C	40
0348	C	84
0348	R	111
0349	R	95
0350	C	84
0350	R	110
0351	R	127
0354	C	62
0355	C	62
0357	R	124
0361	R	114
0362	R	44
0363	C	81
0363	R	116
0365	R	115
0367	C	40
0370	C	81
0371	R	44
0372	R	77
0372MAR	R	183
0373	C	40
0374	C	40
0375	C	39
0375	R	67
0377	R	114
0378MAR	R	183
0380	C	95
0380	R	124
0390	R	61
0390MAR	R	184
0391	R	61
0391MAR	R	184
0392	R	61
0393	R	61
0393MAR	R	184
0394	R	60
0394MAR	R	184
0403	C	29
0404	R	180
0412	C	29
0420	R	96
0424	R	94
0427	R	132
0428	R	132
0432	R	79
0433	R	86

Fig. No.	Cat. Type	Page No.
0440	C	64
0440	R	86
0441	R	95
0443	C	77
0443	R	103
0447	R	179
0447MAR	R	184
0448	R	179
0452	R	179
0454	C	28
0455	C	34
0455	R	43
0456	C	79
0456	R	101
0457	C	79
0457	R	101
0461	R	95
0462	C	68,69
0462	R	90
0465	C	71
0465	R	96
0466	R	43
0477	R	68
0480	R	182
0481	R	182
0482	R	182
0483	R	182
0484	R	182
0485	E	4 to 7
0488	E	18
0492	R	137
0493	C	74
0493	R	104
0494	C	64
0494	R	86
0495	R	133
0499	R	118
0500	C	74
0500	R	104
0501	R	127
0502	R	137
0503	E	22
0504	R	118
0505	E	22
0506	E	21
0507	E	33
0509	E	22
0510	R	100
0513	E	33,34,35
0514	C	36
0514	R	93
0515	E	22
0518	E	20,21

Fig. No.	Cat. Type	Page No.
0520	E	33
0524	E	35
0525	E	36
0526	C	94
0526	R	118
0527	E	34
0528	E	34,35
0528MAR	R	184
0530	C	94
0530	R	121
0534	C	64
0534	R	86
0535	C	64
0535	R	86
0537	E	30,36
0538	C	64
0538	R	86
0539	C	94
0540	E	23,29,31,36
0540MAR	R	184
0541	E	23,31
0541MAR	R	184
0542	E	29,31
0543	E	29,31
0544	R	120
0545	C	94
0545	R	120
0547	C	94
0550	R	98
0551	E	25,31
0552	E	27,31
0553	E	11
0554	R	151
0555	C	36
0555	R	75
0556	E	23
0557	E	23,31
0559	R	151
0561	E	20
0562	R	137
0563	E	28
0564	E	29,31
0565	R	135
0566	R	121
0567	C	89
0567	R	167
0568	E	25
0569	E	27
0570	E	21
0571	E	20
0572	R	119
0572MAR	R	184
0574	R	150

Fig. No.	Cat. Type	Page No.
0575	R	174
0576	E	30
0577	E	30
0577MAR	R	184
0578	R	178
0579	E	30
0579MAR	R	184
0580	E	24,31
0581	E	24,31
0582	E	26,31
0583	E	26,31
0584	E	9,10
0586	E	12,13,14
0588	E	16,17
0590	E	29,31
0591	E	29,31
0593	C	78
0593	R	102
0594	C	76
0597	E	21
0598	E	20
0599	E	34
0602	R	12
0606	R	69
0607	R	69
0608	R	125
0609	R	70
0610	C	97
0610	R	177
0615	R	11
0616	R	11
0617	R	11
0619	R	13
0622	R	13
0627	R	17
0628	R	16
0630	E	19
0634	R	135
0635	E	8
0640	E	23
0641	E	23
0642	E	29
0643	E	29
0652	R	15
0653	R	14
0660	E	23
0661	E	23
0662	E	29
0662	E	29
0662	E	29
0675	R	157
0680	E	24
0681	E	24
0682	E	26



NUMERIC INDEX FOR CATALOGS 315-C, 315-E & 315-R

Fig. No.	Cat. Type	Page No.	Fig. No.	Cat. Type	Page No.	Fig. No.	Cat. Type	Page No.	Fig. No.	Cat. Type	Page No.
0683	E	26	0775	R	128	0866	C	49	0929	R	165
0688	R	93	0776	R	173	0869	R	178	0930	R	164
0690	E	28	0776MAR	R	184	0870	R	100	0931	R	155
0691	E	28	0777	C	92	0872	C	49,61	0932	R	155
0693	C	72	0777	R	168	0873	C	49,61	0934	R	176
0697	R	136	0777MAR	R	184	0874	C	61	0935	R	176
0701	C	36,38	0778	C	93	0875	C	61	0937	R	176
0701	R	93	0778	R	169	0876	C	61	0938	R	171
0706	C	86	0780	E	24	0878	C	61	0939	R	44
0706	R	160	0781	E	24	0879	C	61	0939MAR	R	184
0707	R	98	0782	E	26	0880	C	49,61	0941	R	142
0709	C	80	0783	E	26	0883	C	53	0942	R	143
0709	R	107	0786	R	93	0884	C	55	0945	R	45
0710	C	86	0790	E	28	0885	C	57	0946	R	45
0710	R	160	0791	E	28	0887	C	58	0946MAR	R	184
0711	C	88	0797	R	138	0889	C	50	0947	C	96
0711	R	162	0805	C	82	0889	C	59	0947	R	148
0712	C	87	0805	R	108	0890	C	50,59	0948	R	170
0712	R	161	0806	C	50,60	0891	C	59	0949	R	143
0714	C	81	0807	C	50,60	0893	C	49	0951	R	144
0714	R	116	0808	R	144	0894	C	49	0952	R	143
0715	C	88	0809	C	50,60	0895	C	49	0953	C	89
0715	R	162	0810	C	50,60	0896	R	178	0953	R	166
0716	C	87	0811	C	60	0897	C	49	0954	R	175
0716	R	161	0816	C	60	0898	R	178	0955	R	27
0719	R	176	0817	C	60	0899	C	49	0956	C	97
0721	C	80	0820	C	60	0901	R	178	0956	R	149
0721	R	107	0825	C	83	0902	C	59	0957	R	147
0722	C	80	0825	R	109	0903	R	124	0958	R	175
0722	R	107	0826	E	37	0904	R	27	0959	C	96
0730	C	86	0828	R	129	0905	C	50,59	0959	R	149
0730	R	160	0829	R	129	0907	R	178	0960	R	167
0731	C	88	0830	R	129	0908	C	59	0962	C	89
0731	R	162	0831	R	129	0912	C	89	0962	R	164,166,167
0737	C	81	0832	R	129	0912	R	163,164,165,166,167	0963	R	26
0737	R	116	0833	R	129	0913	C	89	0964	R	26
0740	R	158	0834	C	82	0913	C	89	0965	R	26
0742	C	81	0834	R	108	0913	R	166,167	0966	R	176
0743	R	158	0835	C	82	0915	R	27	0967	R	136
0744	R	158	0835	R	108	0918	C	89	0968	R	165
0750	R	126	0836	C	60	0918	R	166	0969	C	57,62
0750MAR	R	184	0837	C	50,60	0919	C	89	0972	R	26
0752	R	125	0839	C	50,60	0919	R	166	0975	C	97
0753	C	36	0841	R	174	0920	C	89	0975	R	177
0753	R	75	0844	C	50,60	0920	R	163,164,165,166	0976	R	164,166,170
0755	R	125	0845	C	50,60	0921	R	171	0977	R	165
0757	R	126	0846	C	50,60	0924	R	146	0978	R	170
0759	R	134	0847	C	50	0925	R	172	0980	R	171
0762	R	138	0848	C	50	0926	R	172	0984	C	89
0763	R	138	0851	C	55,62	0927	R	172	0984	R	163,164,165,166,170
0769	R	136	0852	C	57,62	0927	C	89	0987	R	145
0770	R	136	0859	C	50	0927	R	167	0988	R	145
0771	R	140	0860	C	50,60	0928	R	164			



NUMERIC INDEX FOR CATALOGS 315-C, 315-E & 315-R

Fig. No.	Cat. Type	Page No.	Fig. No.	Cat. Type	Page No.	Fig. No.	Cat. Type	Page No.	Fig. No.	Cat. Type	Page No.
0991	R	163	1079	C	11	1137	R	36	1216	R	150
0992	R	163	1080	C	11	1138	R	36	1217	R	150
0994	R	178	1081	R	156	1143	C	20,21,23,29	1218	R	29
0995	R	163,165	1082	R	156	1146	R	71	1220	R	173
0996	R	178	1085	R	154	1146MAR	R	184	1221	R	173
0997	R	178	1089	R	155	1149	R	71	1222	R	128
0998	C	96	1091	C	90,91	1150	C	24	1223	R	123
0998	R	141	1091	R	152	1151	C	24	1226	R	135
0999	R	145	1092	C	90,91	1152	C	24	1227	R	130
1002	R	142	1092	R	152	1153	C	24	1230	C	71
1004	R	142	1093	R	152	1156	R	70	1230	R	96,123
1008	C	95	1097	R	157	1157	R	74	1231	R	128
1008	R	140	1099	R	180	1158	R	39,57	1232	R	174
1015	R	127	1100	R	180	1161	R	28	1234	R	128
1016	R	175	1101	R	170	1164	C	21	1235	R	125
1017	C	95	1102	R	170	1165	C	21	1236	R	37
1017	R	137	1103	R	174	1166	C	21	1238	R	98
1021	R	171	1104	R	180	1167	C	21	1239	R	165
1028	R	164	1105	C	20,21,23,24,25,26	1168	C	21	1240	R	165
1029	R	165	1105	R	25	1169	C	20	1241	E	37
1030	R	164	1106	C	97	1170	C	20	1242	R	137
1031	R	155	1106	R	177	1172	C	20	1243	R	135
1032	R	155	1108	R	140	1173	C	20	1244	R	148
1033	R	72	1109	C	38	1174	C	20	1246	R	134
1040	R	78	1110	R	175	1177	R	150	1247	E	37
1043	R	127	1111	C	28	1178	R	39	1248	C	94
1044	R	72	1112	C	96	1179	R	139	1248	E	37
1045	R	62	1112	R	140	1180	R	139	1249	R	178
1046	R	62	1113	C	21,96	1181	R	39	1252	R	121
1047	R	62	1113	R	140	1183	R	39	1253	C	38
1048	R	62	1116	R	139	1184	R	39	1253	R	73
1049	R	62	1118	R	181	1185	R	131	1254	R	73
1050	R	127	1119	C	20,21,23,24,25,26,28	1186	R	131	1256	R	135
1051	R	172	1119	R	25	1187	R	131	1258	C	38
1052	R	41	1123	R	57	1188	R	119	1258	R	73
1053	R	148	1123-99A	R	64	1189	R	93	1260	C	38
1054	R	41	1124	R	57	1190	R	93	1260	R	73
1056	R	171	1124-99A	R	64	1191	R	94,149	1261	R	135,149
1057	R	126	1125	R	58	1192	R	68	1262	R	130
1058	R	41	1125-99A	R	64	1194	R	141	1263	C	36
1059	R	62	1127	C	26	1196	R	39	1263	R	75
1059T	R	64	1127	R	25	1197	R	39	1264	R	29
1060	R	62	1128	C	26	1198	R	141	1267	R	130
1060T	R	64	1128	R	25	1201	R	39	1269	E	33
1065	R	150	1129	C	26,28	1205	R	180	1270	E	33
1068	R	165	1129	R	25	1209	R	58	1271	R	98
1071	R	156	1130	C	26	1209-99A	R	64	1273	R	57
1072	R	156	1130	R	25	1210	R	119	1274	R	57
1074	R	72	1130	C	26	1211	R	31	1277	R	132
1075	C	91	1130	R	25	1212	R	31	1278	R	132
1075	R	151	1131	R	58	1213	R	145	1279	R	166
1077	C	11	1133	C	20,23	1214	R	145	1280	R	166
1078	C	11	1134	R	36	1215	R	181	1281	R	37



NUMERIC INDEX FOR CATALOGS 315-C, 315-E & 315-R

Fig. No.	Cat. Type	Page No.	Fig. No.	Cat. Type	Page No.	Fig. No.	Cat. Type	Page No.	Fig. No.	Cat. Type	Page No.
1283	R	37	1363	C	15,18,19,22	1460	R	53	8504	R	90
1284	R	37	1364	C	19	1461	R	53	8511	C	67
1287	R	149	1365	C	19	1465	R	53	8511	R	89
1289	R	134	1366	C	19	1470	R	52	8512	C	67
1291	R	139	1367	C	19	1601	R	28	8512	R	89
1293	R	144	1368	C	19	1602	R	28	8603	C	70
1299	R	134	1369	C	18	1604	R	35	8603	R	92
1301	R	36	1370	C	18	1607	R	35	9304	C	42
1302	R	133	1372	C	18	1608	R	34	9501	C	44
1303	R	76	1373	C	18	1609	R	34	9504	C	44
1304	R	132	1374	C	18	1611	R	55	9506	C	44
1305	R	122	1377	C	12	1612	R	30	9508	C	44
1306	R	122	1377	R	24	1613	E	32	9510	C	45
1309	R	134	1378	C	12	1614	R	30	9511	C	44
1310	R	28	1378	R	24	1617	R	30	9512	C	44
1311	R	58	1379	C	12	1619	R	30	9514	C	44
1312	R	100	1379	R	24	1622	R	56	9521	C	44,45
1313	E	32,34	1380	C	12	1622L	R	51	9530	C	44
1316	R	122	1380	R	24	1624	R	49	9551	C	44
1318	E	32	1381	C	12	1625	R	58	9560	C	46
1319	E	32	1381	R	24	1627	R	65	9563	C	46
1322	R	133	1384	C	14	1628	R	65	9565	C	46
1323	C	36	1385	C	14	1634	R	35	9566	C	46
1323	R	75	1386	C	14	1636	R	34	9581	C	45
1324	E	34,36	1387	C	14	1637	R	35	9582	C	45
1325	R	127	1388	C	14	1638	R	35	9601	C	69
1326	R	122	1399	E	34	1639	R	34	9601	R	91
1327	R	132	1400	R	54	1642	R	34	9602	C	69
1330	R	58	1401	R	55	1656	R	53	9602	R	91
1331	R	44	1403	R	55	1673	R	57	9603	C	69
1332	R	44	1404	R	55	1674	R	57	9603	R	91
1336	R	128	1418	E	29	1678	R	39	9604	C	69
1342	C	17	1419	E	29	1681	R	39	9604	R	91
1343	R	50	1421	R	31	1683	R	39	9611	C	67
1344	R	43	1422	R	31	1684	R	39	9611	R	89
1345	C	17	1440	R	56	1696	R	39	9612	C	67
1345	R	43	1440L	R	51	1697	R	39	9612	R	89
1346	R	128	1441	R	56	1901	C	48	9703	C	70
1347	R	48	1441L	R	51	1902	C	48	9703	R	92
1348	R	50	1442	R	49	1921	C	48	9854	C	43
1349	R	48	1443	R	49	1922	C	48			
1353	C	96	1445	R	56	1925	C	48			
1353	R	148	1445L	R	51	1930	C	49			
1354	C	96	1447	R	49	1931	C	49			
1354	R	148	1450	R	56	1932	C	50			
1355	C	37	1450L	R	51	1936	C	50			
1355	R	74	1451	R	52	8501	C	68			
1356	C	37	1452	R	53	8501	R	90			
1356	R	74	1454	R	49	8502	C	68			
1357	C	37	1455	R	56	8502	R	90			
1357	R	74	1455L	R	51	8503	C	68			
1358	C	37	1456	R	53	8503	R	90			
1358	R	74	1459	R	49	8504	C	68			



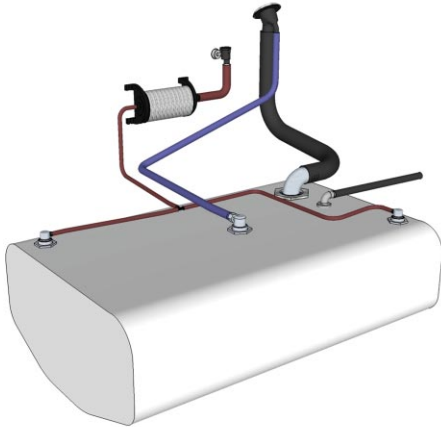
	Page
A	
Adjustable Deck Plate Key	E•37
Air/Fuel Separator	E•18
C	
Canister Sizing Information	E•5
Carbon Canisters	E•4 to 7
D	
Deck Fills	23-35
Diesel	E•23,24,25,26,27,28,30,33,34,35
Gas-NonEPA.....	E•30,31,32,33,34,35
Vented	E•30,31,32,33
Non-Vented.....	E•30,31,32,34,35
Water.....	E•23,24,25,26,27,28,29,32,33,35
Waste.....	E•23,25,27,28,33,35
with Metallic Inserts	E•24,25,31
with Resin Inserts.....	E•26,27,31
with Metal Cap.....	E•23-27,30,31,33,34,35
with Plastic Cap.....	E•28,31,32,34
Deck Plate Keys	E•37
Deck Plate for Pipe	E•35
Diesel Deck Fills.....	E•23,24,25,26,27,28,30,33,34,35
EPA Compliant Sealed Fuel Fills	E•23,24,26,28,29
With Vapor/Over Pressure Relief....	E•23,24,26,28,29
E	
EPA Compliant Sealed Replacement Caps.....	E•39
With Vapor/Over Pressure Relief	E•39
F	
Fill Limit Valves (FLV)	E•12-15
Flanged	E•12
Threaded	E•13
Swivel	E•14
Custom	E•15
Fuel Fills.....	E•23,24,26,28,29
EPA Compliant Sealed.....	E•23,24,26,28,29
With Vapor/Over Pressure Relief.....	E•23,24,26,28,29
Non EPA	E•30,31,32,33,34,35
Vented	E•30,31,32,33
Non-Vented.....	E•30,31,32,34,35
Fuel System Design	E•56
Fuel System Locks.....	E•32
G	
General Information.....	E•2
Gas-Non EPA Deck Fills	E•32,33,34,35,36,37

	Page
I	
Inlet Check Valves (ICV)	E•8-10
In Pipe.....	E•8
Flanged	E•10
Special Application	E•8-9
Swivel	E•10
Threaded.....	E•10
Surge Protector	E•11
L	
Locking Cap.....	E•38
Locking Inset.....	E•38
M	
Mounting Ring	E•38
N	
Non-Vented Deck Fills	E•32,33,34,36,37
P	
P-Trap.....	E•19
R	
Regional Sales Representatives	E•3
Replacement Caps	E•38
Gas- Non-EPA	E•38
Gas- EPA Compliant Sealed	E•39
Gas- EPA Compliant Sealed with VOPR.....	E•39
Diesel.....	E•38
Water	E•38
Waste	E•38
Metallic Insert Kit	E•38
Resin Insert Kit.....	E•38
Retaining Cable	E•36
S	
Surge Protector.....	E•11
T	
Tank Line Vents	E•20-22
Angled	E•20
Straight	E•21
Tank Vent Valves (TVV)	E•16,17
Flanged	E•17
Swivel	E•17
Threaded.....	E•16
V	
Vented Deck Fills.....	E•30,31,32,33
W	
Waste Deck Fills	E•23,25,27,28,33,35
Water Deck Fills	E•23,24,25,26,27,28,29,32,33,35

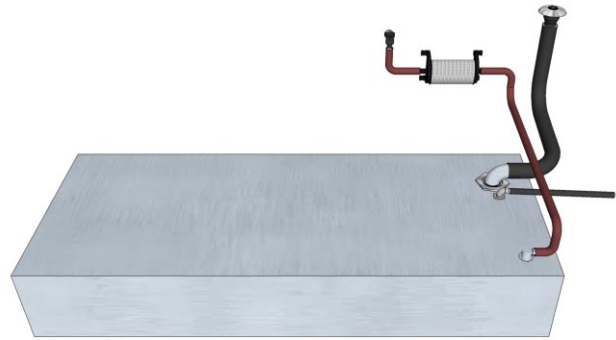
Fuel System Design

Perko can assist with Fuel system design and certification of systems using plastic or aluminum tanks. Consult factory for details.

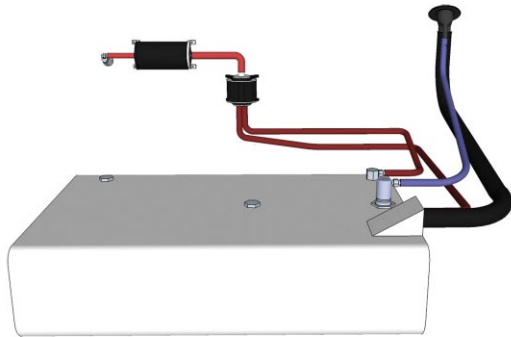
External Venting



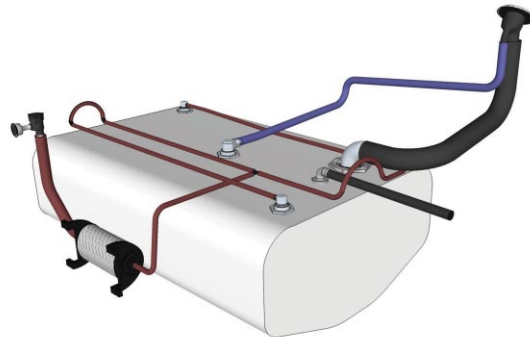
Internal Venting



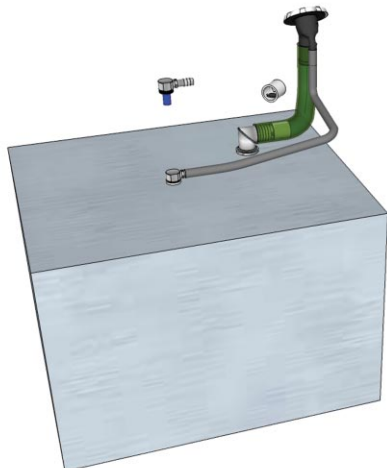
Air/Fuel Separators



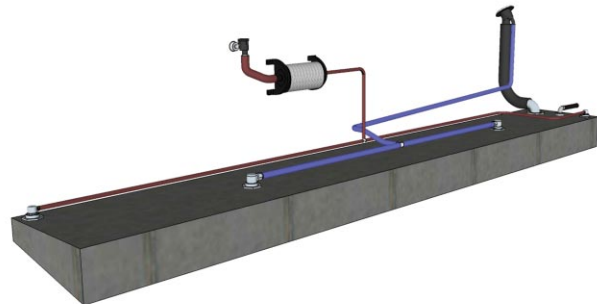
Hard to Place Canisters



Diesel Systems to Prevent Spills



Odd Shaped Tanks



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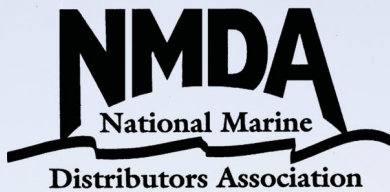
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National Marine Distributors As-
sociation



Marine Industries
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Manufacturer of Marine Lights, Hardware and Accessories

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A large, white, rectangular sign with a blue border is mounted on a metal post. The word "PERKO" is printed in a large, bold, blue, sans-serif font across the top of the sign. Below the text is a stylized blue graphic consisting of two thick, wavy horizontal lines that resemble a stylized wave or a boat's hull.

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