PERKO®

Fig. 0463F Fuel Demand Valve
SAE Flanged Valve for use on Tanks
for EPA Compliant Fuel Systems

INSTALLATION INSTRUCTIONS
PLEASE READ ALL INSTRUCTIONS BEFORE PROCEEDING

These valves are for use on fuel tanks to comply with the CARB and EPA standards and meet the 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).

Operating parameters:

- Maximum tank pressure - 7 psi
- Maximum suction - 10" of Mercury (4.91 psi)
- Suction required for opening - 1-1/4" of Mercury (0.61 psi)
- Maximum line drop (below the top surface of tank) with anti-siphon protection - 12"

Note: Installer-supplied mating components must be CARB, EPA and ABYC compliant.

1. These valves are designed to mount on tanks for EPA compliant fuel systems.
2. These valves utilize the standard SAE 5 bolt-hole pattern (not equally spaced).
3. Depending on the height of the bolts used to mount, these valves will swivel in place so proper clocking is not required.
4. Fuel distribution line attachment – Use 3/8" hose for 3/8" valves and 1/2" hose for 1/2" valves. Attach fuel hose onto the output hose barb and tighten using a hose clamp in accordance with ABYC Fuel System Vent Hose Clamping Standards (H24 Table 3).
5. Fuel pick-up line attachment – Cut fuel pick up tube to proper length for tank. Attach fuel pick-up tube to adapter and secure (using heat or a mechanical method).
6. Thread adapter (with pickup tube attached) into valve housing until it seats **using 15-20 ft. lbs. of torque**.

NOTE: Install valves ONLY in locations that are protected from water and deck runoff.

NOTE: Inspect valve fitting annually for damage, corrosion, or loose parts. If replacement is necessary, contact your qualified marine service technician.

NOTE: These valves prevent tank pressure from transferring to the fuel distribution line.

NOTE: Anti-siphon protection is limited to a maximum of 12" of fuel distribution line drop below the top surface of tank. See ABYC H-24-15.10 for specific anti-siphon requirements.

NOTE: Black rubber cover protects the valve from corrosion due to water (salt or fresh) cleaning fluids, solvents and other liquids. Do not remove the cover unless valve is protected from all liquids. Depress the center of the cover on valve body to pressurize the fuel line from the valve to the engine during fuel system pressure test. Be sure ample clearance is provided to assure that the cover does not come into contact with close surfaces above tank. Such contact will cause valve to activate and pressurize engine feed line.

Fig. 0463F
1/2" input and 1/2" output Shown
(Flanged)

Cat Nos:
0463F38038 - 1" Flanged with 3/8" input and 3/8" output
0463F12012 - 1" Flanged with 1/2" input and 1/2" output
0463F38012 - 1" Flanged with 3/8" input and 1/2" output
0463F0B038 - 1" Flanged Body Only 3/8" output
0463F0B012 - 1" Flanged Body Only 1/2" output

*The above referenced standards can be obtained from:

(1). American Boat & Yacht Council, Inc.
613 Third Street, Suite 10
Annapolis, MD 21403

(2) U.S. Coast Guard
Washington, D.C. 20593
(or your local C.G. office)

(3). E.P.A.
401 "M" Street S.W.
Washington, D.C. 20460

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EPA & CARB California Air Resources Board

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