

PERKO®

Fig. 0463T Fuel Demand Valve 1" NPTF Dry Seal Threaded Valve for use on Aluminum 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 into 1" NPTF dry seal aluminum threaded receivers welded onto tanks. (Receiver not supplied).
2. Thread valve into receiver and orient hose barb in the direction of the fuel line. Do not use the hose barb as a lever to tighten valve, use flats for wrench on valve body
3. 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).
4. 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 shrink or a mechanical method).
5. Thread adapter (with pickup tube attached) into valve housing until it seats **using 20 ft. lbs. of torque.**

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: Depress orange button on valve body to pressurize the fuel line from the valve to the engine during fuel system pressure test. Orange button should be removed (by pulling straight up) after testing. Removing the orange button after testing also provides visual indication that test has been run.

Cat Nos:

- 0463T38038 - Threaded with 3/8" input and 3/8" output
0463T12012 - Threaded with 1/2" input and 1/2" output
0463T0B038 - Threaded Body Only 3/8" output
0463T0B012 - Threaded 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



**Fig. 0463T
(Threaded)**