

## Fig. 0463H Fuel Demand Valve 1/2" NPTF Dry Seal Threaded 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 into 1/2" NPTF dry seal aluminum threaded receivers on tanks. (Receiver not supplied). **Do not pre-assemble the valve body and pick-up adapter.**
2. 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).
3. Thread pick-up adapter into receiver.
4. Snap valve into the adapter until the snap ring catches and the valve and is firmly attached.  
**NOTE: Once attached, the adapter cannot be removed from the valve without damaging both units.**
5. 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).

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:**

- 0463H38038 - 1/2" Threaded with 3/8" input and 3/8" output
- 0463H12012 - 1/2" Threaded with 1/2" input and 1/2" output
- 0463H0B038 - 1/2" Threaded Body Only 3/8" output
- 0463H0B012 - 1/2" Threaded Body Only 1/2" output



**Fig. 0463H  
(1/2" NPTF Threaded)**

\*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