

NEW FOR  
**2010**



# FUEL DEMAND VALVE

## Safe Management of Pressurized Fuel Systems

- Prevents pressurized fuel from reaching the engine
- Prevents fuel spray when connecting or disconnecting fittings at the engine
- Optional siphon protection
- E10 & E20 compatible

 **attwood**<sup>®</sup>

# FUEL DEMAND VALVE

**Attwood's Fuel Demand Valve (FDV) provides a unique solution** for managing pressurized fuel lines and fuel tanks that are required due to EPA regulatory requirements for portable fuel system evaporative emission controls. The Fuel Demand Valve eliminates pressurized fuel from reaching downstream fuel lines and your engine, ensuring that fuel is provided to the engine on demand rather than as a result of pressure in the tank.

- Installs in-line between your fuel tank and primer bulb/fuel pump
- Eliminates fuel fitting spray when connecting and disconnecting fittings at the engine
- Eliminates fuel spill due to pressurized fuel tanks and fuel lines
- Pad printable: Customizable with your company logo
- Eliminates potential service and warranty issues related to pressurized fuel lines
- Available individually or as part of a fuel line assembly



**Count On Attwood as Your Partner for Safe, Regulatory-Compliant (EPA & CARB), Cost Effective Portable and Integrated Fuel Systems.**

Attwood Part Number	8M0044687	8M0044688	8M0044689
Operating Temperature	-20°C to 80°C (-4°F to 176°F)	-20°C to 80°C (-4°F to 176°F)	-20°C to 80°C (-4°F to 176°F)
Storage Temperature	-40°C to 80°C (-40°F to 176°F)	-40°C to 80°C (-40°F to 176°F)	-40°C to 80°C (-40°F to 176°F)
Operating Input Pressure	138 kPa (20 psi) protected for 276 kPa (40 psi) psi pressure spike	138 kPa (20 psi) protected for 276 kPa (40 psi) psi pressure spike	138 kPa (20 psi) protected for 276 kPa (40 psi) psi pressure spike
Minimum Engine Vacuum	-1 kPa (-6" gasoline)	-4 kPa (-21" gasoline)	-7 kPa (-35" gasoline)
Flow Performance	125 L/H (33 GPH) at <2 kPa (10" gasoline)	125 L/H (33 GPH) at <2 kPa (10" gasoline)	125 L/H (33 GPH) at <2 kPa (10" gasoline)
Hose Size	8 mm - 10 mm (5/16" - 3/8")	8 mm - 10 mm (5/16" - 3/8")	8 mm - 10 mm (5/16" - 3/8")
Siphon Protection	None	0 mm - 381 mm (15")	381 mm - 762 mm (30")
Manual Override	Yes	Yes	Yes
Application	Above Deck	Above Deck	Above Deck
Text Color	White	Red	Yellow

## CFR 40 1060.105 (c)

Effective January 1, 2010 – Portable marine fuel tanks and associated fuel-system components must meet the following requirements:

- 1 They must be self-sealing (without any manual vents) when not attached to the engines. The tanks may not vent to the atmosphere when attached to an engine.
- 2 They must remain sealed up to a positive pressure of 24.5 kPa (3.5 psig); however, they may contain air inlets that open when there is a vacuum pressure inside the tank. Such fuel tanks may not contain air outlets that vent to the atmosphere at pressures below 34.5 kPa (5.0 psig).