

Refuel / Defuel Valve

The VACCO Refuel/Defuel Valve provides a single aircraft fuel line connection to refuel and defuel through dual (parallel) valve sections in a compact, common valve assembly.

With the tank side submerged, the dual valve sections ensure opening should one section failed closed. With the tank side unsubmerged, both valve sections close to prevent air in the connecting fuel line when defueling.

With the tank side submerged, each section's main valve element can be independently actuated closed by powering a corresponding solenoid pilot through a single electrical connector. Main valves return to the open position with pilot power removed and the tank side remaining submerged. The main valve elements can also be closed by applying back pressure to the pilot port.



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Features

- Dual (parallel) valves in a single fuel line port connection, compact assembly
- Independent floats and pilot solenoids for each valve section
- Integral tank side overboard gas vent check valve
- Integral main port connection overboard thermal relief valve
- Tank side foreign object damage (FOD) protection screen

Operating Parameters

Thermal Relief Pressure ≤1 psid cracking
 Proof Pressure 180 psig (thermal relief plugged)
 Burst Pressure 240 psig (thermal relief plugged)
 Operating Temperature -65°F to +160°F
 Flow Capacity Refuel ≤25 psid @ 150 gpm

Flow Capacity Defuel ≤4.5 psid @ 75 gpm
 Operating Voltage 16 to 30 vdc
 Current Draw ≤0.5 amps per coil @ 28 vdc
 Leakage ≤50 cc/min
 Weight ≤4.1 lb (≤1.86 kg)

Performance characteristics are based on customer requirements. As such, they are not representative of component capabilities or limitations.

