Fuel Float Valve

>P/N 324000000<

The Fuel Float Valve (FFV) as part of the venting system ensures that the tank is always vented to ambient to prevent damage to the tank due to pressure differences, whether caused by temperature increase/decrease or altitude increase/decrease. To prevent fuel from spilling out from the wing tank, a float element ensures that the main vent line is closed at a defined fluid level, whereby a disc seal is pressed against a sealing seat which is given its sealing force by the buoyancy force of the float element. If the main vent line is closed due to a full tank and certain flight maneuvers or due to the float lever jamming, pressure (PR) and vacuum reliefs (VR) ensure that the tank always remains vented to ambient, depending on overpressure or under pressure. Optional anti-rotation plates are designed for the aircraft types and a groove along the thread of the venting line connection to ensure that the fuel float valve can be installed at the correct angle to the aircraft structure during assembly.

> Leakage	max. when closed: 1 cc/min at a delta pressure of 0.5 ± 0.05 psi
> Cracking Pressure PR	1.0 ± 0.1 PSIG [0.0689 ± 0.007 BARG]
> Cracking Pressure VR	-7 inches of water at STP [0.0174 BARG]
> Temperature range	Fluid: -65°F to 160°F [-55°C to +72°C] Ambient: -65°F to 160°F [-55°C to +72°C]
> Venting line connection	AS4396G08
> Mounting provision	max. rotation of FFV: ± 5.0°
> Authorized fuels	Common Jet fuels and SAF
> Mass	0.19lb (87g)