



Split Flapper Valve is an inline one-way check valve that provides a gravity filling operation for fuel and prevents backflow in the system. The valve shown is one of three sizes designed and qualified for the F-35 Lightning II fuel system. Sizes range is 1.5" to 4" in diameter and can operate 90psi of fluid.

In addition to flapper valves, Essex also manufactures poppet, swing-arm, and ball valves ranging from ¼" to 2" diameter for checking and relieving aircraft fuel, hydraulic and pneumatic systems.

<i>Existing Sizes</i>	P/N	Media	Pressure Drop	Max Cracking Pressure	Operating Pressure	Leakage	Weight
2.5" Dual Flapper	02325104B1	Fuel	10 psid at 700 gpm	12" fuel	90psig fuel	0.15 ccpm at 0.346 psid	.092 lb
2" Dual Flapper	02325103B1	Fuel	10 psid at 400 gpm	12" fuel	90psig fuel	0.15 ccpm at 0.346 psid	.09 lb
		Air	1 psid at 30 ppm	0.35 psid air			
1.5" Dual Flapper	02325101B1	Fuel	3.5 psid at 85 gpm	12" fuel	90psig fuel	0.15 ccpm at 0.346 psid	.045 lb
		Air	0.7 psid at 10 ppm	0.35 psid air			