

# FAA-PMA Approved Replacement Dehavilland Twin Otter Fuel Pumps



THE FACTORY NEW RA1D2-17 in tank auxiliary fuel pump offers several improvements over the original models used in the Dehavilland Twin Otter. RAPCO has vastly improved the rotor and vane designs by using high density carbon vanes that mate with an anodized internal pump cavity, thus reducing the coefficient of friction and improving overall pump wear life. We also use a nickel-silver commutator to improve motor efficiency and cold weather starts. Our magnet design incorporates a rare earth magnet material that helps reduce degradation of the magnetic field over time. In addition to using an improved inlet screen to reduce the incidence of foreign object damage, we also use a superior anodized coating to prevent corrosion from degrading the pump housing. All this adds up to a better pump and a better value for you and your customer.

Part Name	Part Number	Replacement For Part Number	Make Eligibility	Model Eligibility
Fuel Boost Pump	RA1D2-17	Viking Air Limited P/N: C6SC1005-5	Viking Air Limited (Twin Otter)	DHC-6-100, DHC-6-200, DHC6-300 when above models incorporate STC SA207GL
		Airborne P/N: 1D2-14, 1D2-17		

- 1. Superior Inlet Screen Design:** Prevents contaminants from entering pump. Reduces FOD.
- 2. Superior Type II Anodized Housing Assembly :** Improves corrosion resistance.
- 3. Internally Coated Pump Cavity:** Reduces coefficient of friction to extend pump life.
- 4. Higher Density Carbon Brushes:** Longer pump life.
- 5. Improved Magnet Design:** More efficient and consistent operation. Longer pump life.
- 6. Nickel / Silver Commutator:** Longer pump life. More efficient cold weather operation

