

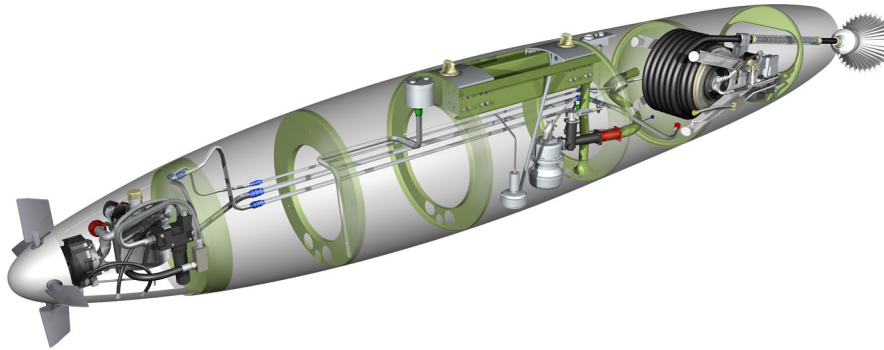
Buddy Stores

31-301 Series

P/N: 31-301-48310

COBHAM

The most important thing we build is trust



The store is mounted on an ejector rack by two lugs spaced 30 in apart. The store has an internal capacity of 300 gal and is capable of pumping fuel to a receiver aircraft at the rate of 220 gal/min with a drogue pressure of 30 to 60 psi. A ram air turbine drives a variable displacement hydraulic pump when the store is activated. Hydraulic power generated by the pump provides the power to drive the hose reel and fuel pump motors. The store provides hose guillotine, jettison, and sealing; pod jettison; and fuel dump emergency provisions.

Specifications

Operating air speed:	175 to 325 KIAS
Fuel:	JP-4, JP-5, JP-8
Refueling coupling:	MA-3
Electrical power requirement:	28 VDC; 115 VAC
Hydraulic fluid:	MIL-H-83282
Operating pressure:	2950 to 3050 psi (20,339 to 21,029 kPa)
Power source:	Ram Air Turbine
Built in test:	Cockpit control panel readout of all critical parameters
Fuel capacity:	300 US gal (1136 L)
Empty weight:	800 lbs (298.59 kg)
Diameter:	31 in (78.74 cm) max
Length:	203.3 in (516.38 cm)
Platform integration:	A-4, a-6, A-7, S-3A, S-3B, F/A-18E/F



CAGE Code 72429

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