

FR300

Hose Drum Unit

P/N: 149R1051/149R1001

COBHAM

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The FR300 Hose Drum Unit is designed to be mounted in a center line configuration for use in aerial refueling of "probe" equipped receiver aircraft. This system is also installed in almost all C-130 wing mounted pods. The Hose Drum Unit extends and retracts the refueling hose through which fuel is transferred to the receiver aircraft. The unit provides refueling at speeds between 105 and 250 KIAS. The FR300 also provides hose guillotine, jettison, and sealing emergency provisions.

Specifications

Operating air speed:	105 to 250 KIAS
Fuel:	JP-4, JP-5, JP-8
Fuel transfer rate:	150 US gal/min (568 to 1136 L/min)
Fuel pressure at coupling:	30 to 60 psi (206 to 412 kPa)
Refueling coupling:	MA-3, MA-4
Electrical power requirement:	18 to 20 VDC, 10 A
Hydraulic fluid:	MIL-H-83282 or Skydrol 500
Operating pressure:	2950 to 3050 psi (20,339 to 21,029 kPa)
Extended hose length:	82 ft (24.99 m)
Dry weight:	416 lbs (188.69 kg)
Dimensions:	120 x 46 x 30 in (304.80 x 116.84 x 76.2 cm)
Platform integration:	KC-130, B707T/T



CAGE Code 72429

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