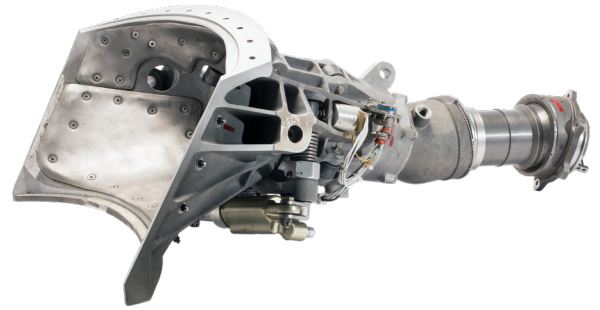


PTI Part Number 2710942

The Aerial Refueling Receptacle is used to engage a flying boom from a tanker aircraft for aerial refueling. Full engagement of the boom is indicated by an induction coil and the nozzle contact limit switch. In the fully engaged position, a hydraulic actuator will latch the boom in place upon command. An additional limit switch senses the boom is latched. The receptacle also incorporates a relief to allow the boom to disengage with a given tension load. The receptacle also incorporates a check feature to prevent back flow.



Features

- High Flow
- Check Valve
- Integral Relief Valve
- Hydraulic Actuator with Relief
- Position Indication
- Induction Coil Sensing

Operating Parameters

Operating Pressure	90 psig (6.2 bar)
Proof Pressure	180 psig (12.4 bar)
Burst Pressure	360 psig (24.8 bar)
Flow Rate	1000 gpm (3785 lpm)
Pressure Drop	20 psid (1.38 bar)
Temperature	-65° to +160°F (-54° to 71°C)
Temperature Hydraulic	-65° to +275°F (-54° to 135°C)
Voltage	28 vdc
Weight	28.4 lb (12.8 kg) max

Performance characteristics are based on customer requirements. As such, they are not representative of component capabilities or limitations.



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