

DES 250-280P & 150-180F

The Pump & Filtration Modules DES 250 P&F - DES 280 P&F are duplex pipeline service systems (Service & transfer systems).

The modules are capable to pump dry/clean-filtered JP-5 (F-44) fuel into a dispenser module, and pump unfiltered fuel to desired destination.

Following modules are available:

- DES 250P - 150F
- DES 265P - 165F
- DES 280P - 180F



The modules can either be built according to DNV GL (RU-SHIP), ABS or Lloyd's Register rules. The system consists generally of the following main components:

- 2x Electrical Motor, 11 kW, 15 kW, 18 kW
- 2 x Vane Pump
- 2 x Y - Strainer
- 1 x Pressure Relief Valve
- 1 x Filter Water Separator (FWS)
- 1 x Filter Control Panel (FCP) with 12" HMI touch display
- Multiple Valves
- Instrumentation based on DESMI recommendations
- 1 x Base frame with integrated drip tray



DES 250-280P & 150-180F

Technical Data:

Fuel Media:	JP-5 Fuel (NATO Code F-44)
Temperature Range:	Internal Compartment Range 0 - 48 °C
Working Pressure:	8,5 bar
EX-Protection Area:	Zone II

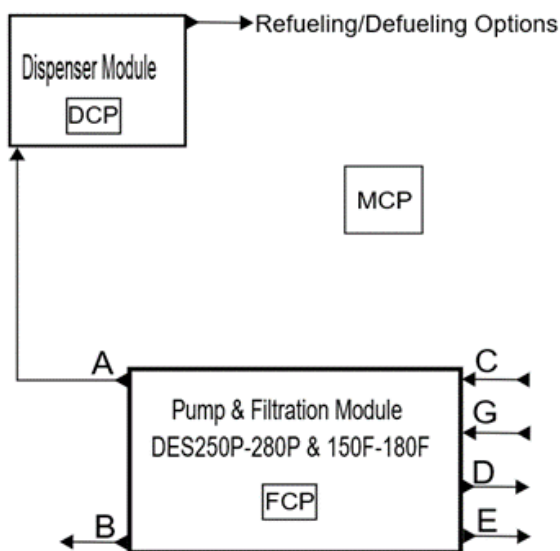
Flow rates:

- DES 250P - 150F, Flow rate:
150 - 230 L/min, Main size: DN 50
- DES 265P - 165F, Flow rate:
250 - 380 L/min, Main size: DN 65
- DES 280P - 180F, Flow rate:
380 - 680 L/min, Main size: DN 80

Dimensions & weights:

- DES 250P - 150F: Dimensions:
H x L x W = 2042 x 1756 x 1875
Weight = 1881 kg
- DES 265P - 165F: Dimensions:
H x L x W = 2042 x 2100 x 1875
Weight = 2126 kg
- DES 280P - 180F: Dimensions:
H x L x W = 2050 x 2330 x 1755
Weight = 2421 kg

Flow Chart:



Interfaces of Pump & Filtration Module

- A: Outlet aviation fuel service
- B: Outlet aviation fuel without filtration transfer
- C: Inlet aviation fuel service
- D: Pressure relief valve return to tank
- E: Drain & overflow of FWS
- G: Inlet aviation fuel transfer