DES 340 – 365 FWB

The DES 340 – 365 FWB (Filter Water Barrier) dispenser modules consist of the essential parts to refuel/ defuel helicopters with JP-5 (F-44).

The modules are capable to deliver extra dry/ clean-filtered JP-5 fuel into a helicopter with different fueling options.

Following sizes of dispenser modules appears below:

- DES 340 – FWB
- DES 350 – FWB
- DES 365 – FWB

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:

- 1 x Hose reel, electrical rewind
- 1 x 37-meter non-collapsible aviation fuel hose
- 1 x Flushing line for gravity- and underwing nozzle
- 1 x 37-meter bonding reel, spring rewind
- 1 x Bulk meter
- 1 x Air driven membrane pump for defueling (up to 160 L/min)
- 1 x Pressure reducing valve
- 2 x Sample point
- 1 x Deadman handle
- 1 x Dispenser Control Panel (DCP) with 12" HMI touch display
- 1 x FWB including necessary instrumentation
- 1 x Set of nozzles (Gravity- & Underwing nozzle)
- Instrumentations based on DESMI's recommendation
- 1 x Base frame with integrated spill tray

DES 340 – 365 FWB

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

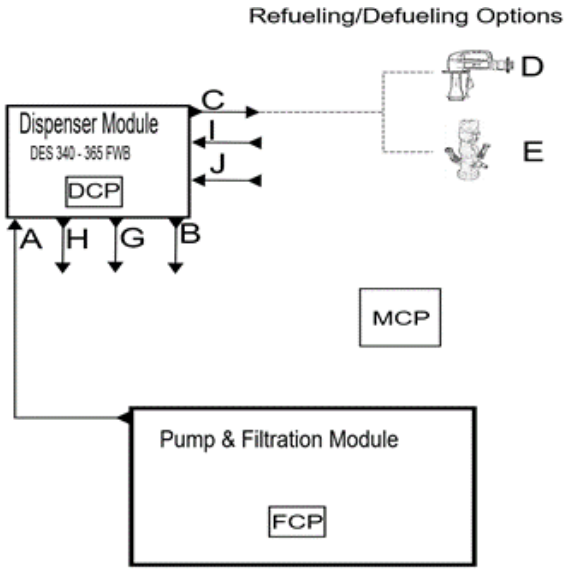
Flow rates:

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

Dimensions & weights:

- DES 340 - FWB: Dimensions:
  H x L x W = 1788 x 1300 x 1400
  Weight = 895 kg
- DES 350 - FWB: Dimensions:
  H x L x W = 1788 x 1400 x 1500
  Weight = 990 kg
- DES 365 - FWB: Dimensions:
  H x L x W = 1788 x 1550 x 1700
  Weight = 1130 kg

Flow Chart:



Interfaces of Pump & Filtration Module

A: Inlet aviation fuel service

B: Outlet defuel

C: Fuel delivery hose with nozzle connection

D: Gravity nozzle

E: Underwing nozzle

G: Drain & overflow of FWB

H: Outlet flushing

I: Inlet compressed air

J: Inlet flushing