Water Separator System

> WSS1-20 <

Intended application for Boeing E-3D-Sentry.

It can also be adapted to other aircraft types.

> Reliable separation of water from the hydraulic medium, max. water content after separation: 40 ppm

> No deletion of medium additives

> Leak oil-free quick disconnect couplings

> Automatic control

> Frothing in the oil does not affect the fill level measurement

> Robust construction with cover
TECHNICAL DATA

> **Hydraulic parameters:**

- **Input pressure:** max. 16bar (230psi)
- **Flow:** max. 20l/min (5,3USgpm)
- **Pressure-/vacuum tank (capacity):** 48l (12,7USgal)
- **Heater in the tank:** 8 x 750Watt
- **2 filter steps:** 6μ, Coalescer-Filter
- **Vacuum pump:** Ex-proof, 0,37kW
  - Nominal suction capacity: 16m³/h (565ft³/h)
- **Heat exchanger:** 4 x 10kW
- **Inlet pump:** Flow max. 20l/min (5,3USgpm)
- **Outlet pump:** Flow max. 23l/min (6,1USgpm)
- **Oil-air cooler in the vacuum line:** 40Watt, flow quantity: 0,09kg/s (0,20lb/s)

> **Measurement range:**

- **Pressure:** 0 - 1,6bar abs. ± 1%
  - (0 - 23psi ± 1%)
- **Load cell:** 0 - 2kN ± 0,5%
  - (0 - 450lbf ± 0,5%)
- **Humidity in oil:** 0 - 100% ± 0,25%
- **Temperature:** 0 - 150°C ± 0,2%
  - (0 - 300°F ± 0,2%)

> **Electrical parameters (requirements):**

- 3/N/PE AC 50Hz 415V
- **Nominal current:** 16A
- **Power:** 11kVA

> **Dimensions and weight:**

- **Depth:** 1.200mm (47,2inch)
- **Width:** 1.100mm (43,3inch)
- **Height:** 1.410mm (55,5inch)
- **Weight:** approx. 700kg (1.544lb)

OPTIONS

Many options are possible for adaption, e.g. adaption to other aircraft types etc.