



# HYCOM DATASHEET

HYDRAULIC FLUID PURIFIER FOR AIRCRAFT MAINTENANCE  
MODEL HFP

## IDEAL FOR

DEWATERING, FILTERING AND DEGASSING OF HYDRAULIC FLUIDS

### MODEL

HFP - 04 - E/1 - ● - ■

### FLUID

- = M : MINERAL BASED
- = P : PHOSPHATE ESTER BASED

### READOUT

- = N : NAS 1638
- = I : ISO 4406:1999

# FEATURES

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- Purification of aircraft hydraulic system during maintenance tasks
- Different operation modes:
  - Purification of aircraft hydraulic system, connected to hydraulic test stand and aircraft
  - Purification of hydraulic test stand
  - Purification of internal reservoir purifier
  - Filling and draining of aircraft reservoir
  - Filling and draining of hydraulic test stand reservoir
  - Transferring oil from barrel to internal reservoir purifier
- Removal of water to less than 100 ppm
- Removal of 100% free and 95% dissolved gases
- Integrated heaters to increase dewatering capacity
- Fluid contamination level NAS 1638 class 3 or better
- Operator panel with large touchscreen for easy operation
- Different interface languages integrated e.g. English, German, Dutch, French and Chinese
- Controlled by a PLC system with safety devices and switches
- Automatic shutdown in case of over pressure
- Integrated data recorder
- Connectivity for condition monitoring via computer and smartphone
- Stainless steel reservoir 250 liter with drain valve and filler cap
- Gear pumps for reliable operation
- Plate heat exchanger for improved performance and energy recovery
- Oil sample point and calibration points
- Hydraulic and electric components completely isolated from each other
- Weather proof cover for operator panel
- Canopy out of stainless steel
- Doors for easy maintenance
- Heavy duty frame with drip tray
- Towbar with steering axle
- Parking brake on front wheels by tow bar in upright position
- Lifting points, tie down and fork lift pick-up points

# FEATURES



- A Large touchscreen for easy operation
- B Emergency button
- C Connection for condition monitoring with computer

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# TECHNICAL DATA

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## GENERAL

Main power supply cable: 20 meter  
Hydraulic hose to connect to A/C: 6 meter

## HYDRAULIC

Maximum inlet flow 60 USgpm (227 l/min)  
Internal pump flow 15 l/min

Fluid -M: Mineral based e.g. MIL-H-5606, MIL-H-83282 or MIL-H-87257  
-P: Phosphate ester based e.g. Skydrol or Hyjet

High flow (3 micron) and low flow (1 micron) filters with electric clogging indicators

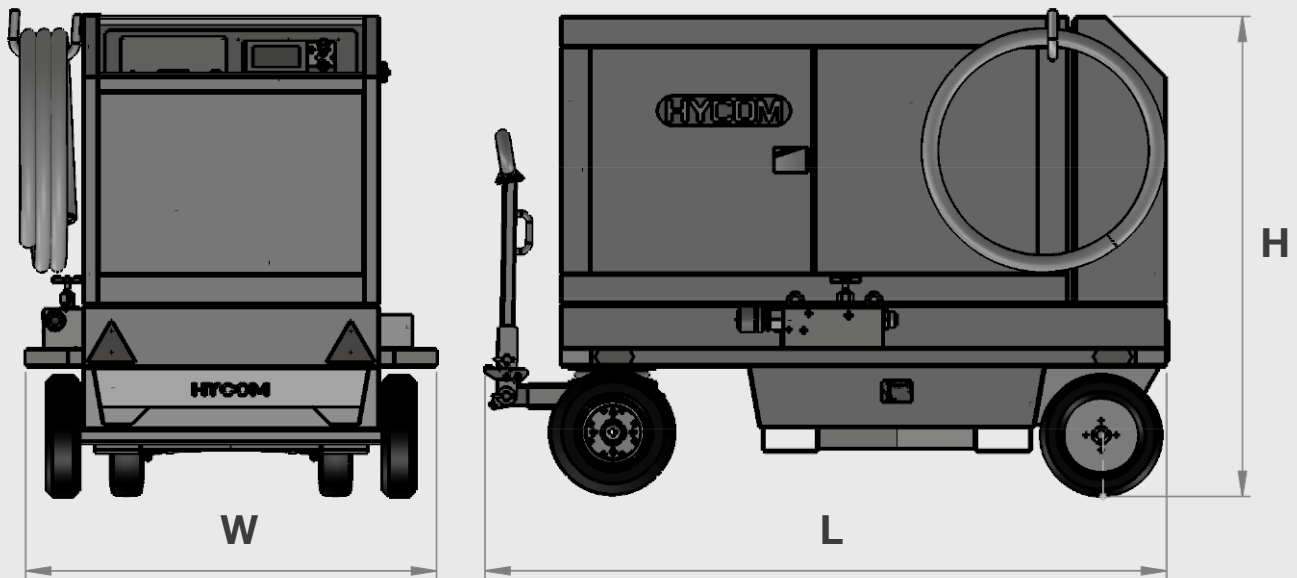
## MEASUREMENT

Digital readout of Cleanliness class according to NAS 1638  
Water saturation in %  
Fluid temperature

## POWER

Supply 3 Ph. 380/420 V – 50 Hz, other on request  
Current 16 A – 50 Hz (10 A – 60 Hz)

# DIMENSIONS & WEIGHT



<b>LENGTH</b>	226 cm
<b>WIDTH</b>	145 cm
<b>HEIGHT</b>	160 cm
<b>WEIGHT</b>	approx. 1100 kg

## POSSIBLE OPTIONS

**Z:** Quick disconnect couplings to connect the equipment to the aircraft and hydraulic test stand

Other options and accessories are available upon request.

# IMAGES



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