

Reliability of systems and the life of the system components and fluids can be extended by minimizing water contamination

The Pall® HXP006 Series Oil purifier is specifically designed to remove free and dissolved water from low volume oil systems in hazardous areas where explosive gases maybe present.

Specification:

Explosion protection class to ATEX 94 / 9 / EC: Group II CAT 2G IIC cb T3

The HXP006 purifier design is based on Pall's successful standard HNP series purifiers and uses vacuum dehydration to remove 100 % free water and as much as 90 % of dissolved water. It will also remove 100 % of free and entrained gases and up to 80 % dissolved gases and unlike other methods, cannot burn or otherwise significantly degrade of the oil.

Particulate contaminants & salt crystals (generated from sea water in the dehydration process) are removed using high performance rated ($\beta_{5(c)} \ge 1000$) filter elements.

In addition, a water sensor measures water content and temperature at the purifier inlet, allowing the purifier to operate only when the water content rises above a pre-determined level.

Removing free water is never enough!

Controlling the dissolved as well as the free water in the reservoir is critical in ensuring the abscence of free water during operation.

Oil Saturation Point after Cooler Oil Temperature after Cooler Temperature Initial Oil Temperature Temperature Temperature

Filtration. Separation. Solution.sm

NEW: HXP006 Series Explosion Protected Oil Purifier

For fluid viscosities up to 700 cSt



Select the HXP006 oil purifier for:

- High performance water, gas and particulate removal
- Extended fluid service life
- Compact footprint
- · Minimized corrosion within systems
- Reduced fluid disposal
- Reduced operating costs
- Increased equipment reliability
- Simple automated operation
- Remote monitoring option
 - **1** Initial water content is above saturation (free water).
 - 2 Maximum water removal capability of "free water removal" devices (coalescers, centrifuges, etc.) is to the oil's saturation point.
 - **3** Water content achieved with mass transfer dehydration is significantly below the oil's saturation point.
 - 4 Water content achieved with mass transfer dehydration remains below the oil's saturation point even after oil is cooled by the system heat exchanger. This prevents the formation of free water which is detrimental to fluid system components and the fluid.
 - 5 If only free water is removed at initial temperature, when oil is cooled the amount of free water in the oil can increase significantly.

Specifications

Fluid temperature:

Dimensions: 1700 mm (66.9 in) H x 641 mm (25.2in) W

x 605 mm (23.8 in) D

Mounting option: Static, wall mounted

Dry mass: 300 kg (662 lb)

Fluid Inlet/Outlet connections:

Inlet: G1 60° coned to ISO228
Outlet: G3/4 60° coned to ISO228
Gas Inlet/Outlet connections: G1/2 60° coned to ISO228

Max. Recirculation Flow rate: 12.5 L/min (3.3 US gpm)

Inlet pressure: 10 barg (145 psig) maximum

System back pressure: 10 barg (145 psig) maximum

Fluid viscosity: 700 cSt maximum

Operating vacuum: -0.45 barg (13" Hg) to -0.9 barg

(27" Hg) [adjustable]

+10 °C (50 °F) to +40 °C (104 °F)

Power supply: 230VAC @ 60Hz, 3-phase Total Motor power: 1.7 kW maximum @ 60Hz Outlet filter rating: Code **UP**: 5 micron $\beta_5 \ge 1000$

Materials of Construction

Base frame, Vessel, Hydraulic

fittings, control panel: 316 Stainless steel

Seals: Fluorocarbon

Hydraulic hoses: Chlorinated polyethene

Note: This equipment has been assessed in accordance with the guidelines laid down in the European Pressure Equipment Directive 97/23/EC and has been classified with SEP. We hereby declare under the provisions of this directive the purifier assembly is suitable for use with group 2 fluids only.

*Other options are available; contact Pall.

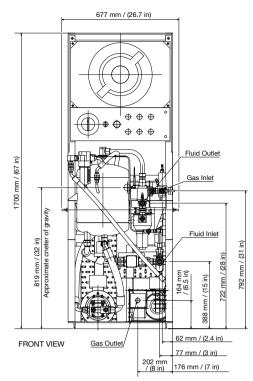
Ordering Information

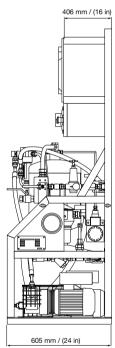
Purifier Assembly P/N: HXP006N4UPZNX156

Replacement Outlet Filter Element P/N: HCA064FUP8Z

Outlet Filter Housing Seal Kit P/N: H9030SKZ9

Replacement Vacuum Pump Coalescer Element: HS74499





RIGHT VIEW



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