

## NEW: HXP006 Series Explosion Protected Oil Purifier

For fluid viscosities up to 700 cSt

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 ( $\beta_{5(c)} \geq 1000$ ) 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!

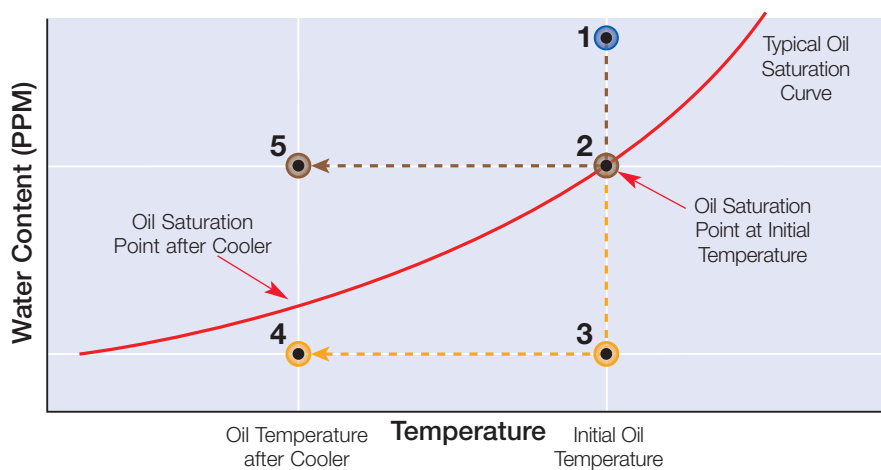
Controlling the dissolved as well as the free water in the reservoir is critical in ensuring the absence of free water during operation.



HXP006 Series Oil Purifier

### 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

Dimensions:	1700 mm (66.9 in) H x 641 mm (25.2 in) 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 temperature:	+10 °C (50 °F) to +40 °C (104 °F)
Fluid viscosity:	700 cSt maximum
Operating vacuum:	-0.45 barg (13" Hg) to -0.9 barg (27" Hg) [adjustable]
Power supply:	230VAC @ 60Hz, 3-phase
Total Motor power:	1.7 kW maximum @ 60Hz
Outlet filter rating:	Code <b>UP</b> : 5 micron $\beta_{5} \geq 1000$

## Materials of Construction

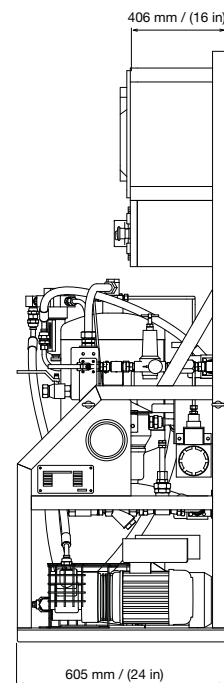
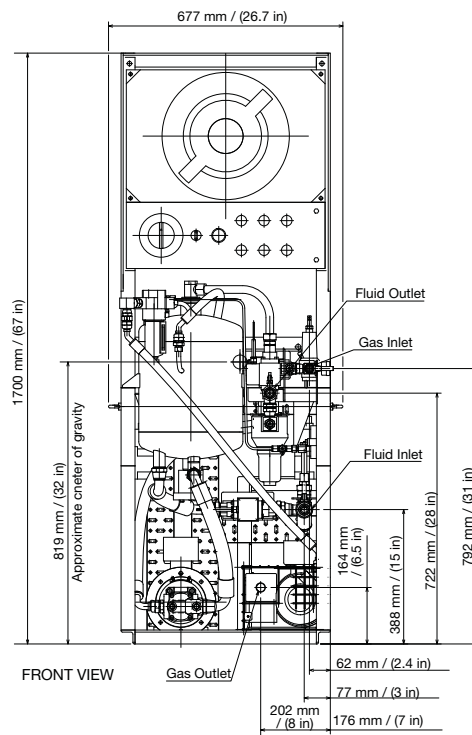
Base frame, Vessel, Hydraulic fittings, control panel:	316 Stainless steel
Seals:	Fluorocarbon
Hydraulic hoses:	Chlorinated polyethylene

**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:	<b>HXP006N4UPZNX156</b>
Replacement Outlet Filter Element P/N:	<b>HCA064FUP8Z</b>
Outlet Filter Housing Seal Kit P/N:	<b>H9030SKZ9</b>
Replacement Vacuum Pump Coalescer Element:	<b>HS74499</b>



RIGHT VIEW



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