

NEW: HXP022 Series Explosion Protected Oil Purifier

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

The Pall HXP022 Series Oil purifier is specifically designed to remove free and dissolved water from oil systems in hazardous areas where explosive gases may be present

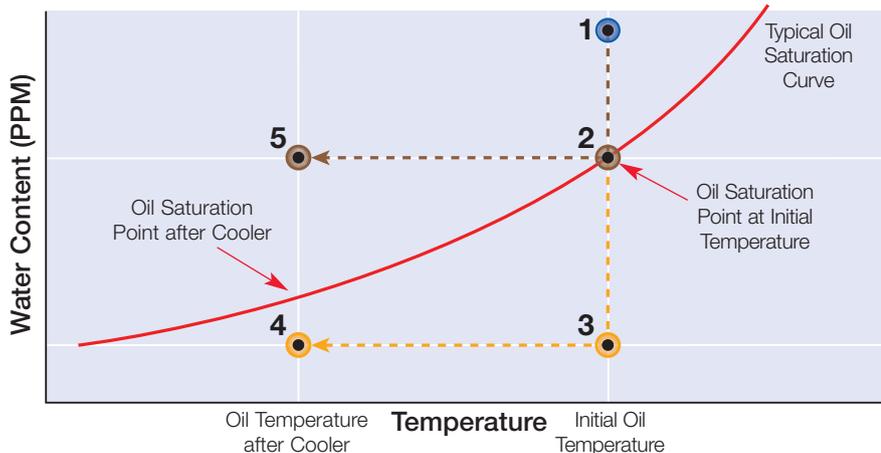
Specification: Explosion protection class to ATEX 94 / 9 / EC:
Group II CAT 2G IIC cb T3

The HXP022 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 the oil.

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

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.



- 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.



HXP022 Series Oil Purifier

Select the HXP022 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

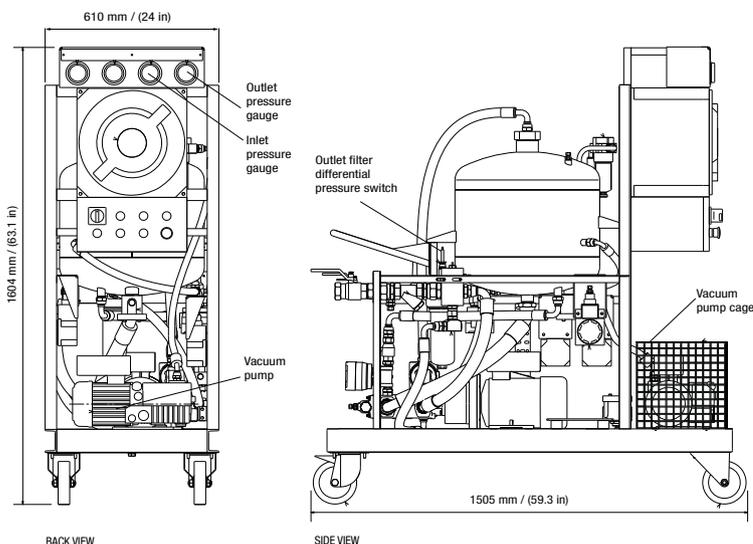
Specifications

Dimensions:	1604 mm (63.1 in) H x 610 mm (24 in) W x 1505 mm (59.3 in) L
Mounting option:	Static or Mobile
Dry mass:	353 kg (738 lb)
Fluid Inlet/Outlet connections:	
Inlet:	G1 1/4 Female to ISO228
Outlet:	G1 Female to ISO228
Gas Inlet connection:	G1/2 Female to ISO228
Max. Recirculation Flow rate:	25 L/min (6.6 US gpm) @ 60Hz
Inlet pressure:	3 barg (43 psig) maximum
System back pressure:	4.25 barg (62 psig) maximum
Fluid temperature:	60 °C Max (140 °F)
Fluid viscosity:	700 cSt maximum
Operating vacuum:	-0.45 barg (13" Hg) to -0.9 barg (27" Hg) [adjustable]
Power supply:	See Table 1
Total Motor power:	See Table 1
Outlet filter rating:	See Table 2

Materials of Construction

Base frame, Vessel, control panel:	316 Stainless steel
Seals/Hydraulic hoses:	Fluorocarbon or Nitrile

Note: Pall fluid conditioning purifiers comply with all applicable EC directives and bears the CE mark.



Ordering Information

Purifier P/N: HXP022



Table 1 - Voltage/Frequency Options

Voltage Code	Frequency Code	Inlet
R	3	380Vac 50Hz 3Ø
S	3	400Vac 50Hz 3Ø
U	4	440Vac 60Hz 3Ø

Table 2 - Outlet Filter Rating

Code	$\beta_{x(e)} \geq 1000$ based on ISO 16889
UP	$\beta_{5(C)} \geq 1000$
UN	$\beta_{7(C)} \geq 1000$
US	$\beta_{12(C)} \geq 1000$
UT	$\beta_{25(C)} \geq 1000$

Table 3 - Seal & Hose Options

Code	Material
H	Nitrile
Z	Fluorocarbon

Table 4 - Mounting Options

Code	Mounting
C	Mobile
N	Static

Table 5 - Material

Code	Material
OMIT	Standard
X029	Stainless Steel

Other options are available; Please contact Pall



25 Harbor Park Drive
Port Washington, NY 11050
+1 516 484 3600 telephone
+1 888 333 7255 toll free US

Portsmouth - UK
+44 (0)23 9230 3303 telephone
+44 (0)23 9230 2507 fax
industrialeu@pall.com

Visit us on the Web at www.pall.com

Pall Corporation has offices and plants throughout the world. For Pall representatives in your area, please go to www.pall.com/contact

Because of technological developments related to the products, systems, and/or services described herein, the data and procedures are subject to change without notice. Please consult your Pall representative or visit www.pall.com to verify that this information remains valid.

© Copyright 2012, Pall Corporation. Pall and are trademarks of Pall Corporation. ® Indicates a trademark registered in the USA. ENABLING A GREENER FUTURE and Filtration. Separation. Solution.SM are service marks of Pall Corporation. *AQP Elastomer Tube is a trademark of Aeroquip® Corporation.

