

New: HLP10 Series Oil Purifier for fluid viscosities up to 1000 cSt

Water in hydraulic, lubrication, heat transfer and insulating fluids adversely affects fluid performance and is a threat to system reliability.

The HLP Series of purifiers combine the water removal performance of mass transfer technology with high reliability and ease-of-use to help ensure maximum equipment uptime and lowest cost of ownership — enabling you to focus on your process, and not the equipment.

The Pall HLP10 fluid conditioning purifier uses vacuum dehydration to remove 100% free water and over 90% of dissolved water. Unlike other methods it will not burn or otherwise alter the properties of the oil. It will also remove 100% of free and entrained gases and up to 80% dissolved air along with solid particulate contamination with an efficiency of 99.95% (Beta \geq 2000) down to 3 microns.

Maximum Reliability, Lower Cost of Ownership

HLP Series purifiers are designed for maximum uptime, and have proven themselves in the field, exhibiting higher utilization rates even in the most demanding and continuous duty applications.

The HLP10 uses specially selected components to help ensure maximum reliability and lower cost of ownership. These premium components include:

- Best-in-class Allen-Bradley¹ PLC
- Reliable Gardner Denver² Zephyr series vacuum pump with 12 month service interval (8760 hours run time).
- Viking³ gear pumps — proven performers for more than 20 years in Pall purifiers

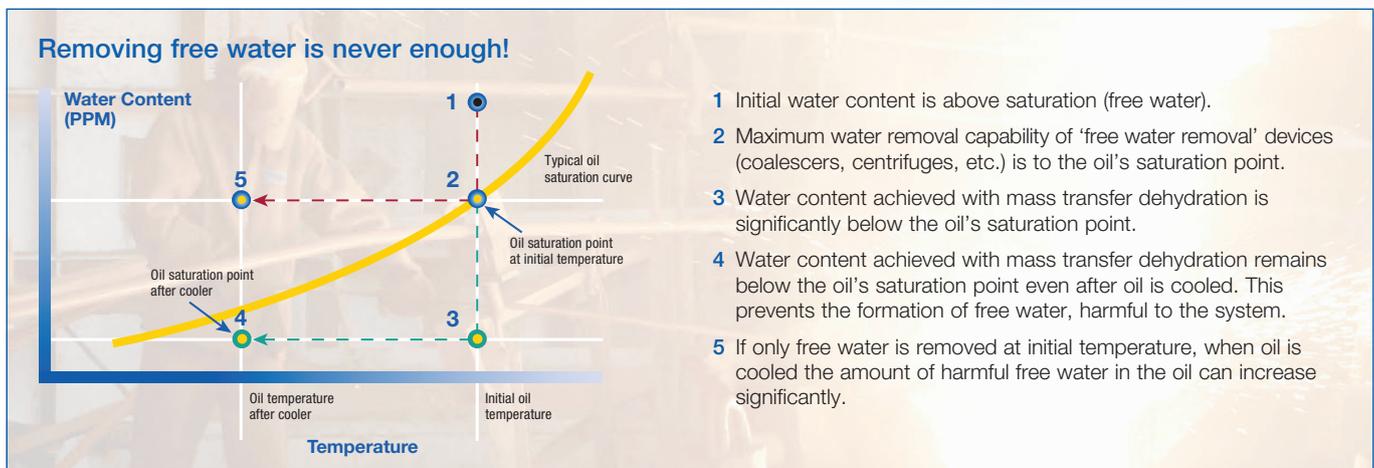
Pall HLP Series purifiers standard features include:

- Pall WS12 Water Sensor
- Low watt density heater (8kw output)



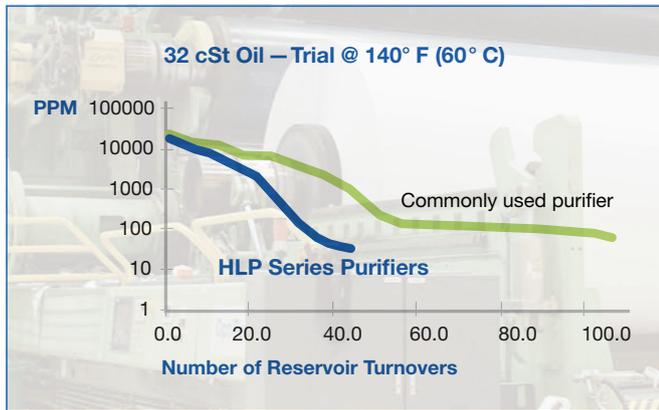
HLP10 Series
Oil Purifier

Controlling the dissolved as well as the free water in the reservoir is critical in ensuring the absence of free water during operation. With the Pall HLP10 purifier, this is done efficiently, easily and reliably. The diagram below illustrates the concept.



Performance

HLP Series oil purifiers have shown on average 40% faster dehydration rate when compared to a typical, non-Pall, similarly sized purifier.



Ease of Use

The HLP10 series offers the following features to increase versatility in service and lower cost of ownership:

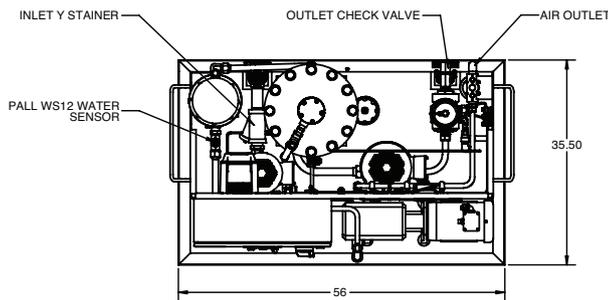
- Low maintenance
- Able to work with wide range of oil viscosities (3 cSt to 1000 cSt)
- No utility water required for cooling or vacuum pump operation

Focus on Your Process, Not on Your Purifier

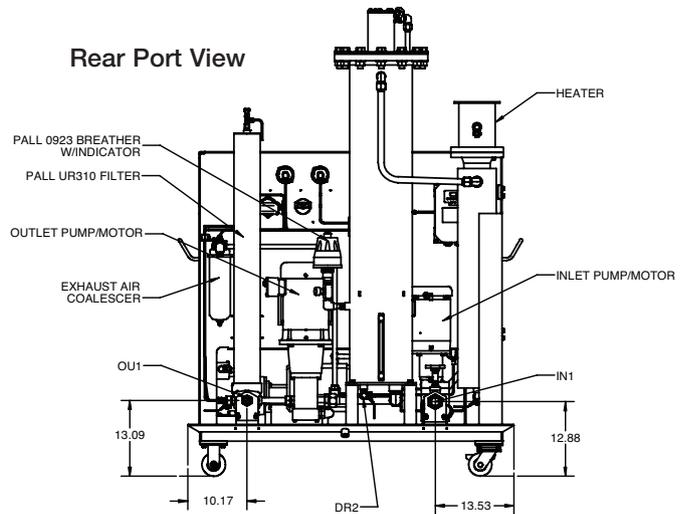
HLP Series purifiers requires the minimum of user interaction, which allows users to focus more on their process and less on the maintenance and upkeep of their purifier. The HLP purifier is one of the easiest purifiers to operate. Simply connect the purifier to the reservoir, power up, and press the start button.

Dimensional Drawings (inches)

Top View



Rear Port View



HLP10 Specifications

Flow Rate:	10 GPM (38 LPM)
Dry Weight:	1460 Lbs (662kg)
Dimensions (caster or floor mount):	80.7" H x 56" L x 35.5" W (205 cm x 142 cm x 90 cm)
Viscosity Range:	3 cSt to 1000 cSt
Seal Material:	Fluorocarbon
Electrical Enclosure:	NEMA 4 (IP65)
Inlet Fluid Temperature:	165° F (74° C) maximum
Ambient Temperature:	39° F to 105° F (4° C to 41° C)
(special options available for higher ambient temperatures)	
Inlet Pressure Range:	-14" Hg to 10 PSI (-0.5 bar to 0.7 bar)
Outlet Pressure Relief Setting:	80 PSI (5.5 bar maximum)
Operating Vacuum Range:	-15" to -22" Hg (-0.5 bar to -0.75 bar)
Heater Capacity:	8 kW (low watt density)
Paint Scheme:	Epoxy powder coated (suitable for industrial phosphate ester service)
Fluid Filter Housing:	UR310 Series with 40" element

Part Numbers / Ordering Information

HLP10 1 2 Z 3 4 5 6 7

WS12 water sensor is standard equipment on all HLP purifiers

Note: Z indicates fluorocarbon seals are standard. Contact Pall Sales for other options. Select from the following list of standard purifier options:

Table 1

Code	Voltage
R3	380V / 50 Hz / 3P
W4	480V / 60 Hz / 3P
14	575V / 60 Hz / 3P

Table 2

Code	Filter Element Options	CST Rating*
	Beta ≥ 2000 Based on ISO 16889	
AZ	3	07/04/01
AP	5	11/08/03
AN	7	13/09/04
AS	12	15/11/06
AT	25	16/14/08

*CST: Cyclic Stabilization Test to determine filter rating under stress conditions, based on SAE ARP4205.

These ISO codes are laboratory measurements under standard conditions. Cleanliness measured in actual operation will depend on operating conditions and sampling method.

Table 3

Code	Mounting Option
C	Casters
N	Floor
P	Tow Package

Table 4

Code	Ports
T	NPT Tapered Inlet = 1.5" FNPT Outlet = 1.0" FNPT

Table 5

Code	MFG Location
W	Western Hemisphere

Table 6

Code	Language
EN	English

Table 7

Code	Special Options
OMIT	Power Lighting Scheme
P001	Tested with Fyrquel® Fluid
P002	Industrial Lighting Scheme

Spare Parts

Part Number	Description
100054101	Demisting Pad
150015001	1 Liter Vacuum Pump Gear Oil
VLR60BRKIT	Vacuum Pump Breather Kit
PFS1001ZMH	Exhaust Concealer
HC02935EE5	Inlet Air Breather
HC0293D004	Air Breather Indication
UE310A+40Z	See Table 2



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