



## Features

- Removes 100% of free and emulsified water
- Removes dissolved water down to 50 wppm
- Removes 100% of dissolved hydrocarbon gases
- Removes 100% of dissolved air
- Removes solids larger than 5 microns

## Applications

- Steam turbine lubrication oil
- Hydraulic oil
- Compressor lubrication oil
- Gear oil
- Biodiesel

The Allen Hydroscav Oil Purifier system (AHS) uses filtration and thermal dehydration to remove solids and moisture from almost all types of oils including lubrication, hydraulic, synthetic, compressor, diesel fuel, vegetable, and gear oils. The AHS can remove 100% of free and emulsified water down to 50 wppm. The AHS is equipped to remove solid particles down to 5  $\mu\text{m}$ , as well as remove 100% of dissolved hydrocarbon gases and air trapped in the oil. The AHS is designed with programmable logic controls for continuous and unattended operation. The AHS comes pre-wired, pre-piped, and has a compact frame which allows for easy installation and accessibility of components for servicing. The AHS is the most efficient and productive oil purifier on the market today. As the industry leader in oil purification, the AHS is the most cost-effective solution for great purification, extending the life of the oil and the capital equipment that oil protects.

## Specifications

<b>Width</b>	48–72 in (121.9–182.9 cm)
<b>Height</b>	72 in (182.9 cm)
<b>Length</b>	48–72 in (121.9–182.9 cm)
<b>Weight</b>	400–2,000 lb (181.4–907.2 kg)
<b>Flow Rate</b>	100–2,000 gal/hr (378.5–7,570.8 L/hr)
<b>Water Removal</b>	> 50 wppm
<b>Particulate Removal</b>	> 5 $\mu\text{m}$
<b>Dissolved and Entrained Gas Removal</b>	100%
<b>Pre-Filter</b>	Solid filter element > 1 $\mu\text{m}$
<b>Pump</b>	Positive displacement duplex gear pump
<b>Power Supply</b>	480 V, 60 Hz, 3-phase 380 V, 50 Hz, 3-phase 230 V, 60 Hz, 3-phase 230 V, 60 Hz, 1-phase
<b>Operating Temperature</b>	140–180°F (60.0–82.2°C)
<b>Operating Pressure</b>	30–250 psi (206,842.7–1,723,689.3 Pa)
<b>Inlet Connections</b>	NPT or RF flanged
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<b>Controls Interface</b>	Programmable logic controller Variable frequency drive Adjustable temperature controller Safety breakers and switches
<b>Materials of Construction</b>	Carbon steel
<b>Safety Shutdown Alarms</b>	No flow High heat
<b>System Gauges &amp; Indicators</b>	Pressure Fault
<b>Code Construction</b>	ASME