



Allen Filtration
An Allen Global Company LLC

HYDROSCAV



Allen Hydroscav Oil Purifier (AHS)

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 μm , 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.

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

Specifications

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

www.allen.global