

# Oil Conditioner



## Features

- Removes free, emulsified, and dissolved water down to 5 weight parts per million (wppm) total water
- Removes 100% of dissolved and entrained gases
- Removes solids larger than 5  $\mu\text{m}$
- Restores flash point and viscosity to as-new or better conditions
- Removes acidity with the removal of water

## Applications

Transformer oil  
Hydraulic oil  
Lubrication oil  
Synthetic oil  
Fuel oil

## Allen Oil Conditioner (AOC)

The Allen Oil Conditioner (AOC) is used to dehydrate, degasify, and purify insulating, lubricating, hydraulic, mineral, and synthetic oils that are used all over the world.

The AOC uses vacuum, heat, and particulate filtration to purify these oils by removing solid particulates down to ISO 14/13/10 and removing 100% of dissolved and entrained gases down to 5 wppm. The AOC restores the flashpoint and the viscosity of the oil to as-new or better conditions.

The on-board programmable logic controlled alarms and user interface make it simple to operate and easy to maintain. The AOC reduces downtime, improves longevity of the oil and the equipment it purifies, and lowers the total cost of ownership over the life of both the oil and equipment. The AOC holds the highest removal of water on the market making the AOC the gold standard when it comes to providing purification solutions for your major investments.

## Specifications

Width: 36–120 in (91.4–304.8 cm)  
Height: 72–192 in (182.9–487.7 cm)  
Length: 72–480 in (182.9–1,219.2 cm)  
Weight: 1,500–7,500 lb (680.4–3,401.9 kg)  
Flow Rate: 100–2,000 gal/hr (378.5–15,141.6 L/hr)  
Water Removal: > 5 wppm  
Particulate Removal: > 5  $\mu\text{m}$   
Dissolved and Entrained Gas Removal: 100%  
Pump: Heavy-duty, positive displacement internal gear type, TEFC  
Vacuum Pump: 5–15 ft<sup>3</sup>/min (0.1–0.4 m<sup>3</sup>/min)  
Piston pump  
Power Supply: 480 V, 60 Hz, 3-phase 380 V, 50 Hz, 3-phase  
Operating Temperature: 100–700°F (71.1–82.2°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  
Control Interface: Solid state programmable logic controller  
Safety Shutdown Alarms: Low flow, High temperature, High level  
System Gauges & Indicators: Pressure, Temperature, Flow Vacuum  
Code Construction: ASME