

AOC

Allen Oil Conditioner

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	100–4,000 gal/hr (378.5–15,141.6 L/hr)
Water Removal	> 5 wppm
Particulate Removal	> 5 μ m
Dissolved and Entrained Gas Removal	100%
Pump	Heavy-duty, positive displacement internal gear type; TEFC
Vacuum Pump	5–15 ft ³ /min (0.1–0.4 m ³ /min) piston pump
Power Supply	480 V, 60 Hz, 3-phase 380 V, 50 Hz, 3-phase
Operating Temperature	160–180°F (71.1–82.2°C)
Operating Pressure	30–250 psi (206,842.7–1,723,689.3 Pa)
Inlet Connections	NPT or RF flanged
Outlet Connections	NPT or RF 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



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 μ 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

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.