



Features

- Removes water from oil, diesel, or jet fuel down to 50 wppm total water
- Removes solids larger than 5 μm
- Restores flash point and viscosity to as-new conditions
- Economical, disposable high-load filter elements

Applications

- Kerosene
- Diesel fuel
- Aviation fuel
- Industrial oils
- Pharmaceutical oils

The Allen Coalescer-Separator system (ACS) is designed to dehydrate and filter water, solids, sludge, and gases on many different types of fluids. The ACS removes free and emulsified water down to the saturation level. The type of oil used, the kinds of additives in the oil, and the temperature of the oil determines the saturation level. For a typical ISO 32 turbine light oil at 100°F (37.8°C), the saturation level is approximately 150 wppm. The ACS uses a combination of coalescer and separator filter elements designed to provide the most efficient filtration possible. It comes equipped with an automatic water drain trap that allows for continuous removal of water while the unit is in full operation. The complete ACS System consists of a pump/motor, pre-filter vessel, a coalescer-separator vessel, and an optional final filter. The ACS is also available individually as the coalescer-separator vessel only. For clean, dry fluids the ACS provides a proven solution that quickly pays for itself.

Specifications

Width	36–48 in (91.4–121.9 cm)
Height	48–60 in (121.9–152.4 cm)
Length	48–60 in (121.9–152.4 cm)
Weight	1,500–2,500 lb (680.4–1,134.0 kg)
Flow Rate	300–2,500 gal/hr (1,135.6–9,463.5 L/hr)
Water Removal	> 50 wppm
Particulate Removal	> 0.5 μm
Viscosity	As-new condition
Flash Point	As-new condition
Inlet Strainer	200 mesh, 80 μm
Coalescer Element	Up to 8
Separator Element	Up to 5
Power Supply	480 V, 60 Hz, 3-phase 380 V, 50 Hz, 3-phase 230 V, 60 Hz, 3-phase
Operating Pressure	150 psi (1,034,213.6 Pa)
Inlet Connections	NPT or RF flanged, Schedule 40
Outlet Connections	NPT or RF flanged, Schedule 40
Water Drain	Automatic, dual-specific gravity type
Safety Shutdown Alarms	Low flow High differential pressure
System Gauges & Indicators	Differential pressure Pressure Flow meter
Code Construction	ASME