

COALESCER / SEPARATOR VESSELS

Kaydon Filtration 121A and 851E series are diesel fuel/water separation and filtration vessels that employ coalescing technology to separate water from diesel fuel. This fuel-purifying technology protects today's highly sophisticated fuel injection systems, thereby keeping diesel-powered equipment in service. In addition to water removal, the coalescer provides a particulate filtration layer to remove harmful particulates, along with providing protection for the coalescing stage. Kaydon's coalescing technology enables clean fuel delivery and prevents premature replacement of expensive components and revenue loss from equipment downtime resulting from contaminated fuel.



Model 121A Diesel Fuel #2 / Water Separator

The Model 121A diesel fuel/water separator vessel is an industrial diesel fuel #2 filter vessel that utilizes Kaydon Filtration coalescing technology and particulate removal capabilities. The 121A removes damaging water and captures destructive particulates. Optionally, the 121A can be configured with either wall or floor mounting and a differential pressure gauge.

Applications

- Marine, Bus, and Truck Terminals

Mining

Agriculture

Construction
- Power Plants

Railroad

Airport Ground Equipment

Features

- Engine Protection
- Clean Fuel Delivery
- Longer Lasting On-Engine Filters

Benefits

- Protects fuel injection system, keeps diesel powered equipment in service; essential for Tier II, III, and IV engine technologies
- Prevents premature replacement of components and revenue loss from equipment downtime resulting from contaminated fuel
- Removes burden of contamination control from on-engine filters



Specifications and Details

Flow Rate Range Maximum Flow	10 GPM 38 LPM	
Materials of Construction	Metals: Aluminum Elastomers: Buna-N Exterior Coating: Epoxy	
Inlet/Outlet Connection	Type: NPT Inlet = 1.5 inch Outlet = 1.5 inch	
Dimensions	9.25" L x 9" W x 28" H 235mm x L x 230mm W x 715mm H	
Weight (approximate)	23 lbs. / 10.5 kgs.	
Maximum Operating Pressure	200 PSIG @ 250° F / 14.0614 kg/cm ² at 121.11° C	
Operating Temperature Range	32° F - 120° F / 0° C - 49° C	
Fluid Compatibility	Diesel Fuel #2 at Fuel Temperature > 50° F / 10° C	
Performance	Particulate	ISO Cleanliness Code 18/16/13 ¹
	Water	Removal to less than 130 ppm ² (Exceeds ASTM D975 Diesel Fuel Specification ³)

1. As measured with in-line automatic particle monitor calibrated to ISO 11171 and influent no greater than ISO 22/19/17.

2. Total Water content (free, emulsified and dissolved) as measured by ASTM D6304-04 (Karl Fischer method).

3. Limit= .050 maximum water/sediment, units = % volume (free and emulsified water only). Test method ASTM D2709: Water and Sediment in Middle Distillate Fuels by Centrifuge.

All design specifications are subject to change without notice.

