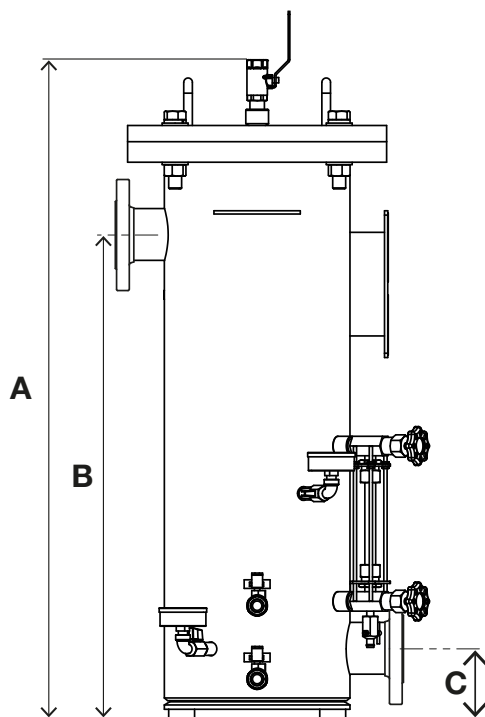


851E Series

Fuel/Water Separator Vessels

DIESEL PURIFICATION SYSTEMS



Single Pass Vessel

Kaydon's 851E filters utilize advanced coalescing technology to remove water and harmful particulates, ensuring delivery of clean diesel fuel and preventing costly damage and downtime. By efficiently eliminating contaminants, they extend component life and maintain diesel equipment performance—ideal for avoiding revenue loss from fuel-related failures.

Model #	Target Flowrate		Approx. Dimensions (in) ²				Approx. Weight (lbs)		Element Quantity	
	GPM	LPM	A	B	C	Ø	Dry	Full	Coalescers	Separators
851E-1	20	75	52	34	3.5	12	175	225	1	1
851E-3	60	227	38	27	3.5	18	235	335	3	3
851E-5	100	378	40	28	3.5	22	275	375	5	5

Specifications	
Fluid Compatibility	#2 Diesel Bio-Diesel Blends (< B20) Hydrotreated Vegetable Oil (HVO)
Max Design Flow Rate ¹	100 gpm / 378 lpm
Design Pressure	150 psi / 10.3 Bar
Materials of Construction	Carbon Steel or Stainless Steel
Exterior Coating	C4 Classification Paint (ISO 12944)
Interior Coating	Epoxy
Vessel Design	ASME Sec. VIII, Div. I
Inlet/Outlet Connection	1.5" or 2" Flanged or NPT
Pressure Gauge Ports	1/4" NPT
Drain Ports	3/4" NPT
Water Drain:	Manual valve w/ Visual Water Level Sight Glass
Performance (Single-Pass)	ISO Cleanliness: 15/13/11 Water Removal: 100% Removal of Free and Emulsified Water

Elements			
Type	PN	Diameter (in)	Length (in)
Coalescer	CI-3520P	3.5	20
Separator	36W91	4	20

Optional Features

- Automatic Water Drain
- Automatic Air Relief Valve
- Automatic Pressure Relief Valve
- Pressure Gauges pre-mounted or shipped loose
- Elements pre-installed
- Higher design pressures and flow rates available upon request

1. For Bio-Diesel blends, flowrates and performance may be reduced. Contact Kaydon for more detail
2. Actual dimensions to be confirmed with customer approval drawing



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