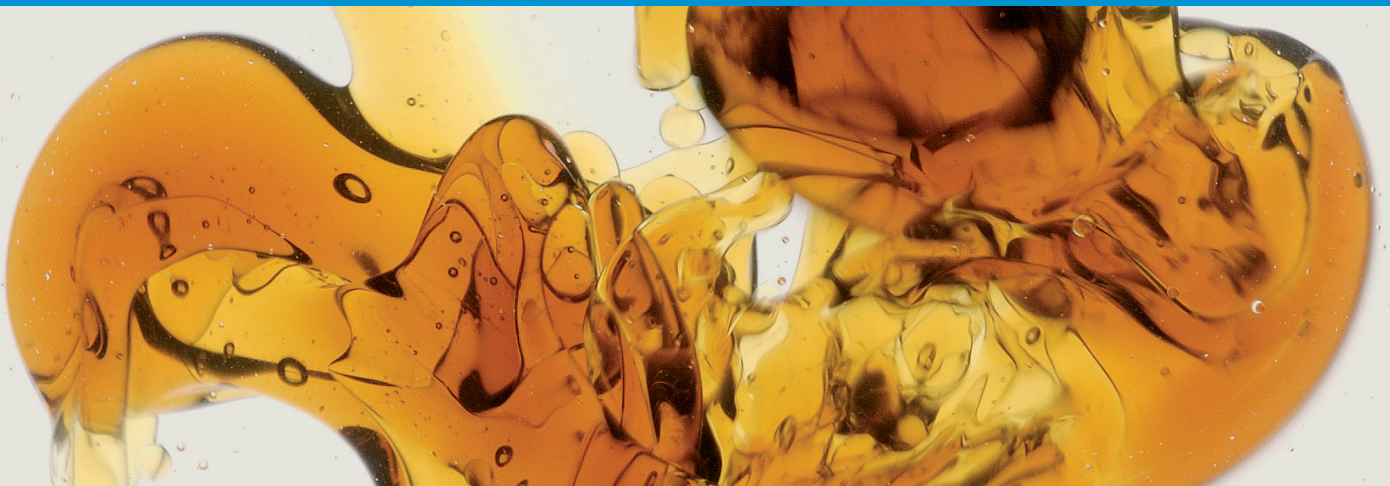


# ELEMENTS

For more than 75 years, Kaydon Filtration has been an expert at providing state-of-the-art filtration technology for lube oil, hydraulic oil, diesel fuel, and other hydrocarbon fluids. The multi-layered design of our filter elements delivers exceptional particle retention and extended element life. Our filtration, coalescer, and water-absorbing elements are designed to help meet the expected fuel life while combining performance and cost effectiveness.

Take a look at Kaydon's elements to learn how they can work in your application:

- TURBO-TOC® turbine oil conditioning systems utilize a unique set of filter elements to treat particulate and water contamination.
- KAYMAX® filtration elements use an inert, fixed pore, impregnated fiber matrix media for maximum strength and increased dirt capacity.
- KAYFLO™ (KF) filter elements are used for general purpose and Model KB filter elements are used for basic purpose industrial oil and fuel applications.
- KAYDRI® (KQD) water removal filter elements are designed to remove water, by using absorption, from lube oil, hydraulic oil, and diesel fuel.
- *PulseShield™* Hydraulic Fluid Filters provide increased dirt-holding capacity by as much as 30% in comparison to conventional filter elements.
- The Model KM 7500 filter elements are used for critical industrial oil and fuel applications.
- The Model CI coalescer elements are used with HF-FC series portable oil filtration carts for water separation and filtration of diesel fuels.
- Kaydon Fuel Filter Element Separators are designed and constructed with special hydrophobic materials to provide a barrier to water coalesced with Kaydon Filtration CI coalescer elements.



# Model CI-3520 and CI-35XXP Series Fuel Coalescer Elements



The Kaydon Filtration CI Series Coalescer Elements are used for water separation and filtration of diesel fuel #1 and #2. The CI coalescer elements, coupled with a Kaydon Filtration separator element, provide a high degree of water removal and particle filtration.

The CI coalescer elements offer a simple and efficient solution for diesel fuel conditioning. The CI-35XXP family of elements are a patented design utilizing multiple types of fiberglass in a pleated construction. Flow rates and efficiencies are increased over traditional fuel coalescers with the CI-3510P, 20P and 40P design.

## Applications

Diesel Fuel #1 & #2

## Features

Prefiltration stage for particle removal

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Water removal efficiency exceeds ASTM D975 Diesel Fuel #2 Specification<sup>1</sup>

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Extended coalescer life

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Advanced technology with the CI-35XXP series

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## Benefits

Particulate removal during the prefiltration stage protects the coalescing fibers which extends the service life and helps maintain water removal efficiency

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Maximizes uptime for diesel powered equipment

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CI coalescer elements are replaced once every four to six months<sup>2</sup> reducing space and stock requirements for extra coalescer elements

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Provides customers increased engine durability and protection, reduction of equipment failure rates due to contaminated fuel, and extended on-engine filter life

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# Model CI-3520 and CI-35XXP Series Fuel Coalescer Elements

## Specifications and Details

Pressure Drop (Diesel Fuel #2)	Part #	gpm	lpm	psid	BAR
	CI-3520	10	38	4	.28
	CI-3510P	10	38	3	.34
	CI-3520P	20	76	3	.34
	CI-3540P	40	152	3	.34
Water Removal Performance and Filtration Rating	Part #	Free Water	Total Water Content	Filtration Rating	
	CI-3520 CI-35XXP Series	< 100 ppm 0 ppm	< 500 ppm < 130 ppm	$\beta_{15} > 75$ (nominal = 6 $\mu\text{m}$ ) $\beta_5 > 1000$ (nominal = 1 $\mu\text{m}$ )	
Terminal Pressure	15 psid / 5.2 BAR (maximum)				
Collapse Rating	75 psid / 5.2 BAR				
Operating Fuel Temperature Range	50°F - 120°F / 10°C - 49°C				
Materials of Construction	Part #	Metals	Elastomers	Filter Media	
	CI-3520 CI-35XXP Series	Aluminum Aluminum	Buna-N Viton	Treated Cellulose and Fiberglass Micro and Macro Fiberglass	
Fluid Compatibility	Part #				
	CI-3520 CI-35XXP Series	Diesel Fuel #1 & #2 Diesel Fuel #1 & #2 Diesel Fuel #2 with Additive Packages <sup>3</sup> Blends up to B20			
Weight (approximate)	Part #	lbs.	kgs.		
	CI-3520	2	.9		
	CI-3510P	1	.45		
	CI-3520P	2	.9		
	CI-3540P	3	1.4		
Dimensions	Part #	Inches (D x L)	mm (D x L)		
	CI-3520	3.5 x 20	89 x 508		
	CI-3510P	3.5 x 10	89 x 254		
	CI-3520P	3.5 x 20	89 x 508		
	CI-3540P	3.5 x 40	89 x 1016		

1. Limit = 0.050 (500 ppm) maximum water and sediment Units = % volume (free and emulsified water only) Test Method ASTM D 2709: Water and Sediment in Middle Distillate Fuels by Centrifuge
  2. Fluid cleanliness will affect coalescer life.
  3. Does not include additives that are surface active agents.
- All design specifications are subject to change without notice.

