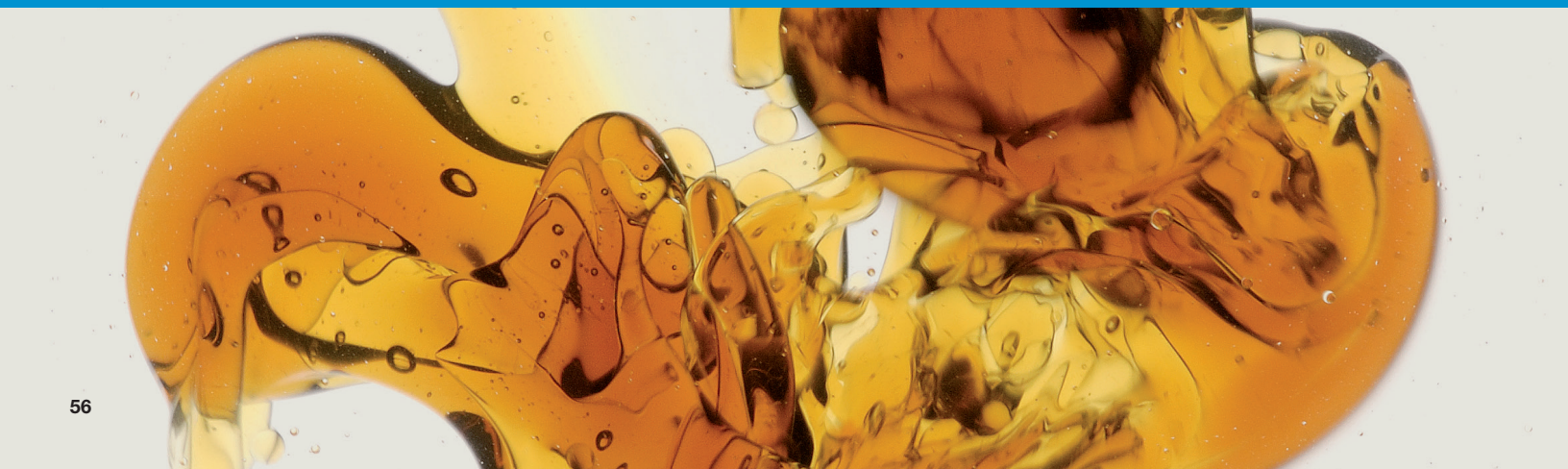
ELEMENTS

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.



KF Series Fuel and Oil Filter Elements

KAYDON FILTRATION
Filtration Group®

The KAYFLO™ Model KF filter elements are used for general purpose industrial oil and fuel applications. These elements are designed and constructed with specially formulated, resin-impregnated cellulose/synthetic pleated media. The KF elements provide excellent filtration efficiency and long element life. The KF elements offer a capable solution for oil and fuel filtration applications where performance combined with cost effectiveness is desired.

The KF elements utilize a combination of cellulose (paper) and synthetic fibers filter media to create consistent pore sizes and achieve a reliable micron rating, which allows for a more efficient filtration media than the inconsistent and random pore sizes associated with cellulose media alone. Cellulose media elements have larger diameter fibers which correlate to less porosity or space for the media to trap particles. The addition of the fibers to the cellulose media in the KF elements creates more porosity, thus creating more open spaces to hold particles and a higher dirt-holding capacity than cellulose media elements.

Applications

Industrial Mineral Base Oil
Diesel Fuel Filtration

Features	Benefits
Consistent pore size	Reliable micron rating and efficient filtration
More porous media	Higher dirt-holding capacity
Cost-effective solution for oil and fuel filtration applications	The KF6018-05 and KF6036-05 elements deliver filtration performance equivalent to other 5.1 micron (99.9% efficient) rated elements
ISO 16889 Tested	Proven performance using the ISO Multi-Pass test Method for Evaluating Hydraulic and Lube Oil Filtration Elements

KF Series Fuel and Oil Filter Elements

Specifications and Details

Pressure Drop (ISO 32 Turbine Oil @ 104°F / 40°C; for other flows and viscosities, contact Kaydon Filtration)	Part #	gpm	lpm	psid	BAR
	KF6018-05 KF6018-5 KF6018-10 KF6018-25 KF6036-05 KF6036-5 KF6036-10	25 25 25 25 50 50 50	95 95 95 95 189 189 189	6 2 1.5 1 6 2 1.5	0.41 0.13 0.10 0.07 0.41 0.13 0.10
Terminal Pressure	25 psid / 1.7 kg/cm^2				
Collapse Rating	100 psid / 6.9 BAR				
Micro Rating / Efficiency	Part #	Micron Rating[1]	Efficiency		
	KF6018-05 KF6018-5 KF6018-10 KF6018-25 KF6036-05 KF6036-5 KF6036-10	3 14 22 40 3 14 22	99.5 99.5 99.5 99.5 99.5 99.5 99.5		
Materials of Construction	Metals: Electrogalvanized Tinplate Elastomers: Buna-N Filter Media: Cellulose/Synthetic Blend				
Operating Temperature Range	-20° F - 250° F / -28° C - 121° C				
Fluid Compatibility	Hydrocarbon Fluids				
Weight (approximate)	Part #	lbs.	kgs.		
	KF6018 KF6036	6 12	2.7 5.4		
Dimensions	Part #	Inches D x L	mm D x L		
	KF6018 KF6036	6 x 18 6 x 36	152 x 457 152 x 914		

1. Element tested per ISO 16889.
All design specifications are subject to change without notice.