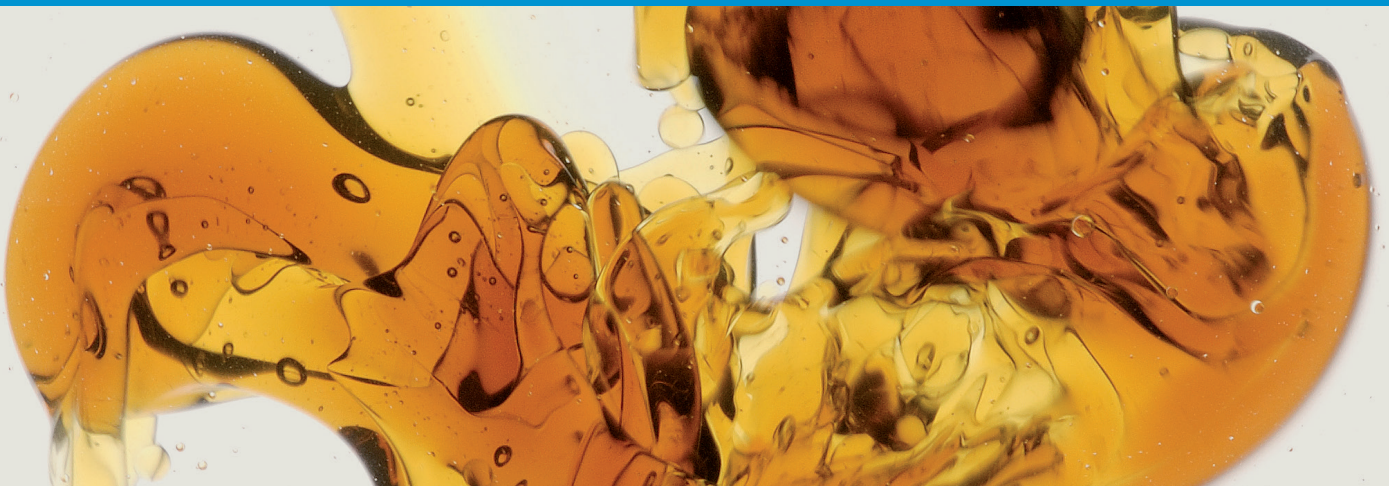# ELEMENTS

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.

KAYDRI® Water-Absorbing Fuel and Oil Filter Elements

KAYDRI water removal filter elements are designed with quick-dry water absorptive technology to remove water by using absorption from lube oil, hydraulic oil and diesel fuel. KAYDRI elements offer an effective solution for removing trace amounts of water from industrial oils and diesel fuel, when a coalescing system, vacuum dehydration systems, or centrifugation equipment is not practical.

The KAYDRI elements are designed for a longer element life due to a high water holding capacity where the water is absorbed by the element but not released. The KQD6018-5 holds 0.5 gallons of water and the KQD6036-5 holds one gallon of water. The KAYDRI elements offer consistent water removal efficiency of 80% throughout the life of the element. In addition to water removal, the KAYDRI elements offer 5-micron particulate filtration.

Applications

Industrial Mineral Base Oil
Diesel Fuel Filtration

Features

High water-holding capacity

Quick Dry water absorptive technology

Consistent water removal efficiency of 80% throughout the life of the element

Benefits

Longer element life; KQD6018-5 holds 0.5 gallons of water and the KQD6036-5 holds one gallon of water

Water is absorbed and not released

Lube systems, hydraulic systems, and fueling systems consistently free of harmful water

KAYDRI® Water-Absorbing Fuel and Oil Filter Elements

Specifications and Details

Pressure Drop (ISO 32 Turbine Oil @ 100°F / 38°C for other flows and viscosities, contact Kaydon Filtration)	Part #	gpm	lpm	psid	BAR
	KQD6018-5	15	57	5	0.35
	KQD6036-5	30	114	5	0.35

Terminal Pressure	20 psid / 1.4 kg/cm^2				
Collapse Rating	100 psid / 6.9 BAR				

Micro Rating / Efficiency	Part #	Micron Rating	Efficiency	Water Removal Efficiency per pass	Water Holding Capacity
	KQD6018-5	5	90%	80%	.5 gallon / 1.9 liters
	KQD6036-5	5	90%	80%	1 gallon / 3.8 liters

Materials of Construction	Metals: Electrogalvanized Tinplate Elastomers: Buna-N Filter Media: Water Absorptive Polymer and Fiberglass				
Operating Temperature Range	32°F - 250° F / 0°C - 121° C				
Fluid Compatibility	Hydrocarbon Fluids				

Weight (approximate)	Part #	lbs.	kgs.		
	KQD6018-5	6	2.7		
	KQD6036-5	12	5.4		

Dimensions	Part #	Inches D x L	mm D x L		
	KQD6018-5	6 x 18	152 x 457		
	KQD6036-5	6 x 36	152 x 914		

All design specifications are subject to change without notice.