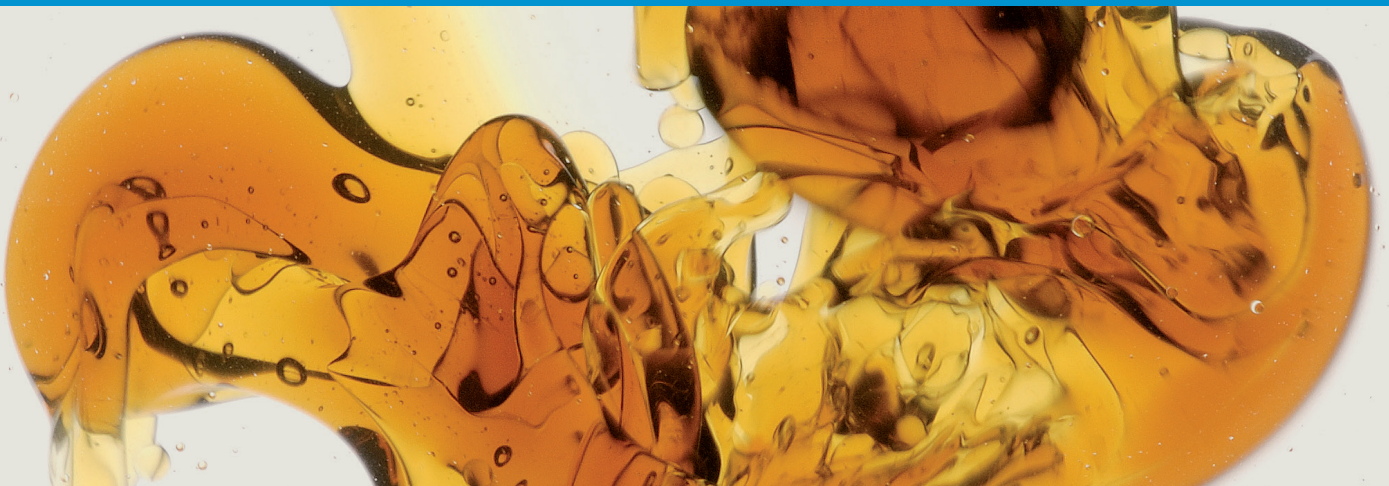


ELEMENTS

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.



PulseShield™ Hydraulic Fluid Filters



Our new generation of fluid filter elements with **PulseShield** compression sleeves brings together several innovations. The engineered construction combines our Premium Select fiberglass media with the patented **PulseShield** compression sleeve to yield best-in-class filtration results. The Premium Select filter media has been supplied to customers worldwide for many years and offers superior performance.

The **PulseShield** compression sleeve, combined with up to three Premium Select fiberglass layers, increases the dirt-holding capacity by as much as 30% in comparison to conventional filter elements. At the same time, the lower differential pressure results in significantly reduced energy consumption.

Applications

Turbine Lube Oil
Coal Pulverizing
Gear Box

Industrial Hydraulic Systems
Working Mobile Hydraulic Systems

Features

Multi-layer filter elements
Patented compression sleeve technology

Benefits

30% greater dirt-holding capacity
Secures the pleated star geometry media, even under negative effects of short-term backflows



PulseShield™ Hydraulic Fluid Filters

e-protect

Filter elements with the **PulseShield** compression sleeve are also available with low conductivity and ESD technology. For applications where static discharge has become an issue or where the fluid conductivity is less than 500 pS/m, e.g. for zinc and ash-free oils, this construction is recommended. This unique element design prevents damage in the filter layers caused by static build-up. The **e-protect** design is marked with the suffix “EP” at the end of the element description.

PulseShield Compression Sleeve Technology

The compression sleeve secures the pleated star media firmly to the inner core and guarantees uniform pleat separation throughout the entire service life of the filter element. This provides ideal filtration results, even through pressure pulsations, triggered by changing volume flows that may occur in the fluid system.

Fluctuations in separation performance (β values) are no longer a concern. The negative effects of short-term backflows are negated by the **PulseShield** compression sleeve.

- 01 Flow rate
- 02 Internal support mesh
- 03 Protective nonwoven
- 04 Fine fiberglass layer
- 05 Medium fiberglass layer
- 06 Coarse fiberglass layer
- 07 External support mesh
- 08 **PulseShield** sleeve

