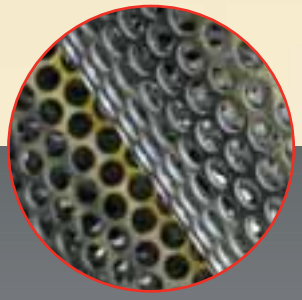
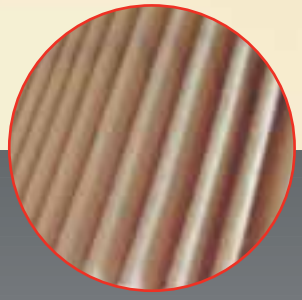
EXTENDING YOUR ENERGY





COMPLETE PRODUCT LINE

KAYDON®

Kaydon Custom Filtration Corporation

Kaydon Custom Filtration specializes in high-performance liquid separation technology for utility, industrial, and non-consumer mobile applications, meeting customer needs through the technical advancement of fuel and oil conditioning products.

Our current products represent over 100 consecutive years of application expertise in keeping fuels and lubricants in optimal condition. Likewise, an equal longevity in design and manufacturing improvement assure the highest standards for quality and performance. Since our founding in 1885, our oil conditioning products have been an essential component in preventing oxidation and viscosity breakdown in lubricating oils, while our fuel conditioning products have kept fuels free of contaminant and engines running smoothly without troubles. In fact, Kaydon defined the world of oil conditioning in 1939 with the introduction of the world's first effective turbine oil conditioning system, reinforced that leadership position in the 1980s by delivering the first proven coalescing system, and now, has extended its oil conditioning expertise into the 21st century with the next generation of Turbo-TOC® KL Series oil conditioning systems. Using the same advanced coalescing technology, our fuel conditioning products conform to the strictest standards and are used in mission-critical military applications across the world in the most demanding environments.

Experience the benefits of truly clean and dry fuel and oil. Find out how Kaydon can work for you — extending your energy.

Turbo-TOC® KL Series Oil Conditioning Systems

- Advanced, pleated coalescing and separating technology to quickly remove water and particulate contamination from your turbine oil-lubricated equipment
- Each self-contained system provides you with an easy-to-use K-Touch® technology control panel with PLC controller for fully-automated operation and built-in process diagnostics
- Water removal capability to below 100 PPM total water; system outlet cleanliness to 16/14/11*
- Available to suit any size oil reservoir — systems from 1 GPM to 135 GPM
- Turbo-TOC® KL systems bring predictability to your maintenance schedules, enhance long-term equipment operation, and significantly reduce the likelihood of equipment failure and unscheduled maintenance
- Available with ASME pressure vessels and a wide range of options

Vacuum Distillation Systems

- A true vacuum distillation system (not mass transfer) capable of removing water and particulate from higher viscosity and surfactant-laden lubricating oils
- Water removal capability to below 70 PPM total water; system outlet cleanliness to 16/14/11*
- Sized to suit any oil reservoir — systems from 5 GPM to 30 GPM
- Can be customized to larger flow rates if application demands
- Kaydon vacuum distillation brings the most advanced vacuum and condensing chamber technology to the market
- Fully-automated, self-contained systems

Custom-Designed Co-VAC Systems

- Combines both Kaydon coalescing/separating and vacuum distillation technology into one fully automatic system
- Ideal solution in applications where you need to remove large amounts of water quickly and maintain the lubricating oil in the equipment at the driest level possible
- Coalescing strips water from the oil at greater than 95% efficiency and vacuum distillation gives you that extra water removal to below 70 PPM
- Total system cleanliness is rated to 16/14/11*

Clean Fuel Inc (CFI) Fuel Guardian Systems

- Kaydon coalescing and separating technology tailored specifically to maintain the cleanest and driest fuel in diesel fuel storage tanks
- Continually dries and filters stored diesel to levels that exceed recommendations of major diesel engine manufacturers, maintaining the integrity of the fuel, reducing disposal costs, and eliminating annual cleaning of the reservoir
- CFI systems ensure that any back-up generator called into emergency use has clean, dry fuel for start-up and ongoing operation
- Serving hospitals, power plants, data centers and other facilities where fool-proof back-up power generation is a must
- Keeps diesel below 100 PPM total water and to 17/15/12* outlet cleanliness
- Fully-automated, programmable, PLC controller to match your site conditions for operation

900-914 Sump Separator System

- A custom-engineered sumping system, using Kaydon's coalescing technology for the refinery and fuel distribution market
- System can drastically reduce operator interface and error, eliminating the potential for fuel loss in the sumping process
- Saves wasted fuel, reduces demand on the fuel recovery system
- Eliminates the need for operator monitoring, freeing them to focus on more important and urgent duties
- Explosion-proof systems ensure safe operation and make sumping simply a matter of "pushing a button"

Kaydon Separator Vessels

- Kaydon's "industry-best" coalescing and separating technology available for installation to applications for lubricating oils, diesel, jet fuel, biofuels, and most hydrocarbon-based products
- Rugged, corrosive-resistant, all-steel, welded vessels suited to flow rates from 10-200 GPM
- Vessels accommodate Kaydon's full-range of coalescing elements for water removal to below 100 PPM total water
- ASME code available

Industrial Filters and Vessels

- Kaydon's high-performance filters and vessels across a range of sizes in single-element and multiple-element configurations to handle any application
- Vessels available in lightweight aluminum and heavy-duty steel
- Flow rate capabilities to 1200 GPM
- Filters rated from 1-40 micron
- Suitable for multiple applications listed below
- ASME code vessels available
- Industrial filters and vessels offered in portable carts with their own pump/motor assemblies

Filter Elements

- Full-line of particulate and coalescing filters
- **Turbo-TOC® elements —** pleated coalescer design with greater surface area, water removal to below 100 PPM total water at 95+% efficiency: outlet sample cleanliness to 16/14/11*
- **CI series —** unique military-proven coalescers for fuels, including diesel, jet fuel, and biofuels, with Kaydon's best coalescing technology
- **KM series —** high-efficiency, micro-glass; particulate removal to Beta 3.2(c) $\geq$1000**
- **KQD series —** superior multi-layer design with particulate removal to 99.9% efficiency and water absorption to 97.8% efficiency
- **KF series —** cellulose/synthetic blend element for lubricating oils to 1000 SSU; high-efficiency and high capacity
- **KB series —** low-cost, high-capacity cellulose elements
- Multiple other element technologies including absorptive clay and activated alumina; Kay-Bond® Ion Exchange Resin elements
- Suitable for application to lubricating oils, hydraulic oils, fuels including jet fuel, diesel, and biofuels, water, hydrogen, helium and natural gas
- Ask about Kaydon, high-quality elements to replace other manufacturers' filters

Military and OEM Product

- Kaydon's high-efficiency, micro-glass elements and coalescing/separating technology adapted to non-consumer mobile and military, original equipment manufacturers (OEM markets)
- Kaydon's unique coalescing technologies are used for filtration of diesel and jet fuel by the military
- Our high-performance micro-glass element designs supply mobile hydraulic equipment manufacturers with filters that exceed quality requirements in every category
- Our customized liquid/gas coalescing and particulate removal technology protects critical components of HVAC&R compressors for leading manufacturers
- Let Kaydon's R&D team custom-design an element, pressure vessel and element combination, or oil/fuel conditioning system to your specifications

Kaydon Leasing and Rental Program

- Lease-to-own any Kaydon system, spreading payments out over a two-year period
- Nearly any Kaydon system is available for rental through our rental fleet — both Monthly Rental and Demo-to-Buy programs
- Contact your local Kaydon distributor, Regional Manager, or Inside Sales Associate for more information
- See back cover for contact numbers

Product Testing and Support

- Our experienced engineering staff and R&D personnel assure that our products meet all specifications
- Modern laboratory and test facilities, along with up-to-date Multipass test capabilities, prove our commitment to all customers, large or small
- Designs are verified under laboratory conditions before field validation, and ongoing quality inspections assure that production continues to meet customer expectations
- Kaydon's expert Field Service personnel are available for installation, service when you need it, and to fulfill our Preventative Maintenance contracts
- Our experienced sales force provides global application expertise to make sure you get the right filtration solution
- Local distributors and representatives offer an additional layer of application expertise and immediate service and response
- You can also contact Kaydon's inside sales associates and product managers for the right solution for your filtration problems
- Kaydon Custom Filtration's management/operating system is registered to ISO 9001: 2000.

*16/14/11 and 17/15/12 are per ISO 4406, and **Beta 3.2(c) ≥1000 is per ISO 16889.

Markets/Industries Served

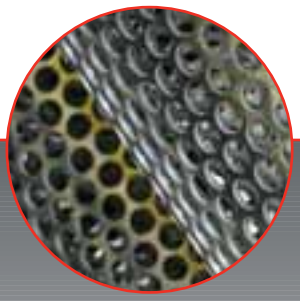
- Power Generation
- Petroleum Refining and Petrochemical
- Fuel Distribution
- Primary Metals
- Pulp and Paper
- Mining, Marine, and Military
- Mobile Hydraulic
- General Industrial
- HVAC&R

Extended, Lifetime Warranty

Unique and best in the industry, guaranteeing performance for the life of your Kaydon systems, backing up our leading technology

Providing you with the security of ongoing compliance and additional operational savings

Contact us for more information



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