

**KAYDON FILTRATION**  
Filtration Group®



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# MISSION CRITICAL SOLUTIONS

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Making the world safer, healthier  
and more productive®

# INDUSTRIES WE SERVE



**KAYDON FILTRATION**  
Filtration Group®

With over 80 years of experience, Kaydon Filtration is a trusted global leader in delivering high-quality filtration solutions. We specialize in protecting mission-critical fluids, safeguarding the integrity of vital processes across diverse sectors.

Guided by a commitment to quality, reliability, and customer satisfaction, we provide innovative solutions tailored to meet unique industry needs.

Our products are engineered to deliver superior performance, durability, and compliance with the most stringent industry standards, ensuring operational excellence and long-term value for our clients. We prioritize exceptional service, lead times, and a customer-focused approach that promotes collaboration and drives results. This enables us to exceed expectations at every stage.

At Kaydon Filtration, we don't just provide filtration systems—we build lasting partnerships. With our expertise and unwavering reliability, we deliver solutions our clients can trust, helping to make the world safer, healthier, and more productive.



## AVIATION

**Commercial - Military - SAF Refining - Terminals**

Contaminated jet fuel can damage engines, reduce performance, and compromise safety. We provide the most advanced and cost-effective technologies to ensure clean, dry fuel from the refinery to the aircraft.

As a trusted partner in aviation fueling, we are dedicated to helping you achieve a future of reliability, performance, and excellence in aviation filtration.

### APPLICATIONS

Into Plane Fueling/  
Defueling

Airfield Storage Tank  
Farms

Receipt Fueling

Rainwater Run-Off  
Separation



## MARINE

**Commercial - Military - Offshore - Land Facilities**

Given the challenges posed by contaminants such as salt and seaborne elements, the marine industry requires advanced filtration and separation solutions designed to meet each unique need.

Whether you need to ensure clean and dry fuel, treat wastewater, or separate water-oil emulsions from bilge water, we will help you find the best-fit solution.

### APPLICATIONS

Bilge Water Separation

Fuel Filtration Systems

Lube Oil Separation

Wastewater Treatment

Oil Water Separation



# INDUSTRIES WE SERVE



## POWER

### Offshore Wind Farms - Backup Power - Power Plants

Critical power systems depend on contaminant-free fuel and oils for reliable operation.

Our advanced filtration systems protect performance, prevent costly downtime, and safeguard high-tolerance equipment, delivering durable solutions for critical applications.

#### APPLICATIONS

- Lube Oil Filtration
- Turbine Oil Conditioning
- Fuel Filtration
- Oil Water Separation



## INDUSTRIAL

### Agriculture - Construction - Mining

Modern diesel engines require a clean fuel supply to ensure optimal performance, prevent damage, and extend lifespan.

Our diesel filtration products provide reliable solutions for maintaining the integrity of fuel systems and protecting engines from harmful contaminants.

#### APPLICATIONS

- Heavy Equipment Fuel Filtration
- Storage Fuel Filtration
- Rainwater Run-Off Separation
- Oil Water Separation



## WATER & WASTEWATER TREATMENT

### Industrial Wastewater - Light Manufacturing Sites

Effective wastewater treatment is crucial for ensuring environmental compliance and operational efficiency. Our solutions protect the environment, reduce maintenance costs, and help industries meet regulatory requirements, ensuring smooth and sustainable operations.

#### APPLICATIONS

- Oil Water Separation
- Rainwater Run-Off Separation



## FUEL STORAGE & TRANSPORTATION

### Pipelines - Rail Cars - Tank Farms

Fuel is highly susceptible to contamination during storage and transport, making effective filtration essential to ensure it arrives clean and free from harmful particles, water, and other impurities. We provide advanced filtration solutions to remove contaminants at every stage of the process.

#### APPLICATIONS

- Fuel Filtration
- Oil Water Separation
- Rainwater Run-Off Separation

# HOUSINGS

## LIQUID FILTRATION

### Microfilter Housings

M Series prefilter housings are designed to be installed ahead of systems like clay treaters and coalescer separators.

They provide continuous solid removal via high-efficiency cartridges, ensuring reliable operation and protecting downstream equipment from wear and damage.



- Removes solids such as rust, dirt, pipe scale, sand, and metal in a single pass
- Available in vertical and horizontal configurations in various styles and sizes
- Easy servicing and maintenance
- Compliant with ASME Code, Section VIII
- EI-1596 Compliant

## LIQUID/LIQUID SEPARATION

### Filter Water Separators

VCS and HCS Series deliver high-quality fuel via a two-stage process that removes both solid contaminants and water, safeguarding critical equipment and promoting long-term reliability.

- No internal moving parts
- Customizable housing
- Easy servicing and maintenance
- Compliant with ASME Code, Section VIII
- EI-1581 Qualified
- EI-1596 Compliant



### Single-Stage Coalescers

The HP Series excel at removing substantial amounts of water and solid contaminants, delivering optimal performance and long-lasting durability.

- Superior filtration efficiency
- No internal moving parts
- Robust construction for long-term use
- Versatile sizing options



## ADSORPTIVE FILTRATION

### Clay Treaters

F Series housings play a critical role in protecting downstream fuel filtration systems and jet fuel integrity. They efficiently remove surfactants, color, and additives, ensuring optimal performance.

- Prolong lifespan of Filter Water Separators
- Versatile design for installation flexibility
- Removable cartridge mounting post



## MULTIPURPOSE HOUSINGS

These versatile housings are designed to provide flexibility, capable of functioning as either Microfilters or Filter Water Separators, depending on the cartridges installed.



### Fuel-Gard®

VF-21/22SB Series

- Versatile, compact, light-weight housings
- Small footprint
- Swing bolt quick open closure

### SuperFlex™ Series

- Small, economical carbon steel housings
- Compliant with ASME Code, Section VIII







Backed by over 80 years of experience and continuous innovation, we offer a comprehensive range of filter cartridges designed to meet the highest industry standards. Our solutions effectively remove a wide variety of contaminants, ensuring optimal performance and system reliability. We work closely with our customers to deliver tailored solutions that address their unique needs.

## FILTERS

Our filters effectively capture contaminants such as rust, dirt, scale, and other types of fine solids.



## COALESCERS

Coalescer cartridges excel at removing ultra-fine solids and separating water from fuels and oils.



## SEPARATORS

Our separator cartridges are designed to improve the separation of fine water droplets, ensuring industry-leading water removal.



## HAYPACK SEPARATORS

Designed to remove significant amounts of water and particulates from fuel.

A variety of media options are available to meet specific flow rates, contaminant loads, and effluent requirements.



## CLAY ELEMENTS

Clay Treatment elements remove surface active contaminants not impacted by filters and coalescers.

Available in bag and canister-type elements, both formats are compatible with clay treater housings from other manufacturers.



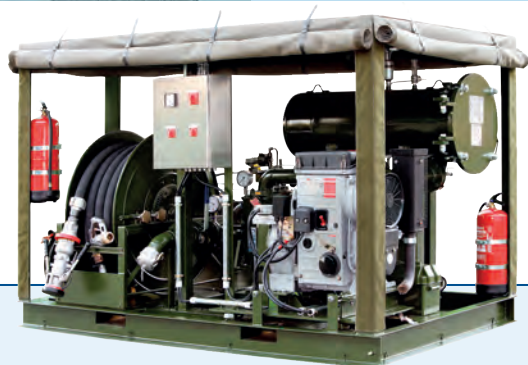
# AVIATION FUEL FILTRATION SOLUTIONS



## Aviation Fuel Filtration / Transfer / Refueling Systems

Kaydon specializes in designing and manufacturing aviation fuel treatment systems tailored to customer needs and regulatory standards.

Our comprehensive range of filtration equipment ensures fuel purity at every stage of the fueling process, optimizing performance and meeting the stringent requirements of the aviation industry.



## Tactical Refueling Systems

These systems feature portable fuel tanks, hoses, pumps, and advanced filtration to ensure safe, reliable fuel transfer. Our filtration technology guarantees optimal performance and reliability, even in challenging environments.



## Portable Refueling Package

Designed to supply clean, dry fuel to helicopters, drones and light aircrafts, this compact unit features a VF-21/22-SB filter, pressure gauge, pump, and hoses. Powered by a 12V vehicle battery, its 0.2 sqm footprint and 38 kg weight ensure easy portability.



# DIESEL FUEL FILTRATION SOLUTIONS



## Packaged Filtration Systems

Our diesel filtration systems efficiently remove solid contaminants and water from fuel, ensuring clean, dry diesel for optimal performance.

With a wide range of available flow rates, their versatility makes them an economical choice for both bulk storage and smaller applications, extending the life of engines.



## Portable Fuel Filtration Units

Designed for sites without pumps or motors, this portable system combines a fuel nozzle, pump/motor, and Fuel-Gard® VF-21SB filter housing.

The VF-21SB uses a single, easy-to-replace cartridge, ensuring efficient, single-pass filtration.

Compact and highly portable, it's ideal for multiple job locations. It operates on 12 VDC (20 gpm) or 120 VAC (15 gpm) power.



## Turbine Propulsion Diesel Filtration

Installed in ports to support marine vessels in fueling operations, our filtration systems ensure clean, contaminant-free fuel, essential for turbine performance, efficiency, and longevity.



## Turbo-Generator Fuel/Oil Systems

The Turbo-Generator Fuel/Oil Systems integrate Kaydon's expertise in microfiltration and separation with our experience in fueling systems, ensuring fully automated pumping, filtration, and conditioning of the fuel supplied to the turbo-generator.

# WATER TREATMENT SOLUTIONS



## Oil Water Separators

Kaydon Oil Water Separators enhance gravity separation to remove free hydrocarbons, improving effluent quality.

They handle gravity-fed or pumped flows and feature adjustable skimmers for hydrocarbon removal. Suitable for oily (helifuel, lube oil) and water drain systems.



Prefabricated units, retrofit kits, and models compliant with EN 858-1/2 (Class I Separator) are available, along with optional storage chambers for accumulated hydrocarbons.



## Bilge Water Separators

### Ceramic or Disposable Membrane

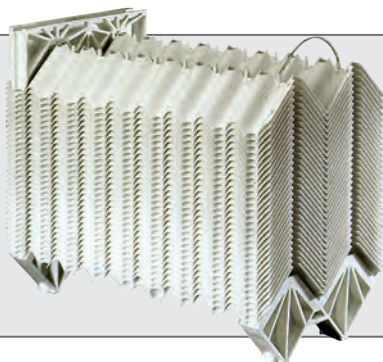
Kaydon bilge water separators are compact, lightweight, and low-maintenance, ideal for ships, oil rigs, and wind farms. With MPak® plates and ceramic membranes, they remove hydrocarbons to below 5 ppm at 3.2 USGPM. IMO MEPC.107(49) compliant, they suit various platforms, including submarines.



## Sewage Water Treatment

### STP & VTP Series

Kaydon Sewage Treatment Plants efficiently treat black and gray water on vessels without additives. In a single steel module, they allow easy transport and quick installation. The VTP Series features a built-in vacuum system, ensuring seamless operation and optimal performance. Certified by Maritime and Coastguard Agency and CE, they meet IMO standards.



## MPak® Coalescing Plates

These high-performance plates, essential to our Sewage Treatment Plants, Bilge Water Separators, and Oil Water Separators, are designed to effectively separate oil and solids from water based on their specific gravities. With integral molding for precise spacing control and efficient solids transfer, our MPak® plates deliver optimal performance in real-world applications.



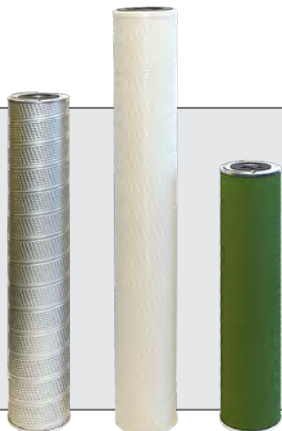
# OIL CONDITIONING SOLUTIONS



## TURBO-TOC® Turbine Oil Conditioning Systems

TURBO-TOC® systems are designed to ensure the long-term reliability and efficiency of steam, gas, and hydroelectric turbines by preventing oil-related failures and unscheduled maintenance.

These systems continuously condition turbine oil, removing harmful particulate and water to protect critical turbine components such as bearings and journals. TURBO-TOC®'s coalescer/separator unit efficiently eliminates damaging water, while advanced filtration and oil polishing reduce wear and improve turbine performance. With features like an automatic water drain, oil sample ports, and a heater package for cold oil situations, TURBO-TOC® helps maintain turbine oil dependability, reduces downtime, and extends equipment life.



## TURBO-TOC® Elements

TURBO-TOC® turbine oil conditioning elements ensure clean, dry turbine oil when used with TURBO-TOC® systems.

TURBO-TOC® systems combine filtration, coalescer, and separator elements to deliver superior particle and water removal. Inert fibers with fixed pore structures and multi-layered designs enhance efficiency and durability for exceptional oil conditioning.

# SERVICES



We take our responsibility in partnering with our customers seriously. That is why the services we provide at the forefront of everything we do. With our engineering, field, and lab services we are involved with our customers every step of the way.



## ENGINEERING SERVICES

Consultancy & Analysis  
for System Optimization

Process Engineering Package (PEP)

Existing Vessel Evaluation

New Vessel Design



## FIELD SERVICES

Field Service Support

Site Inspections

On-site Operator Training



## LAB SERVICES

Equipment and Process Optimization

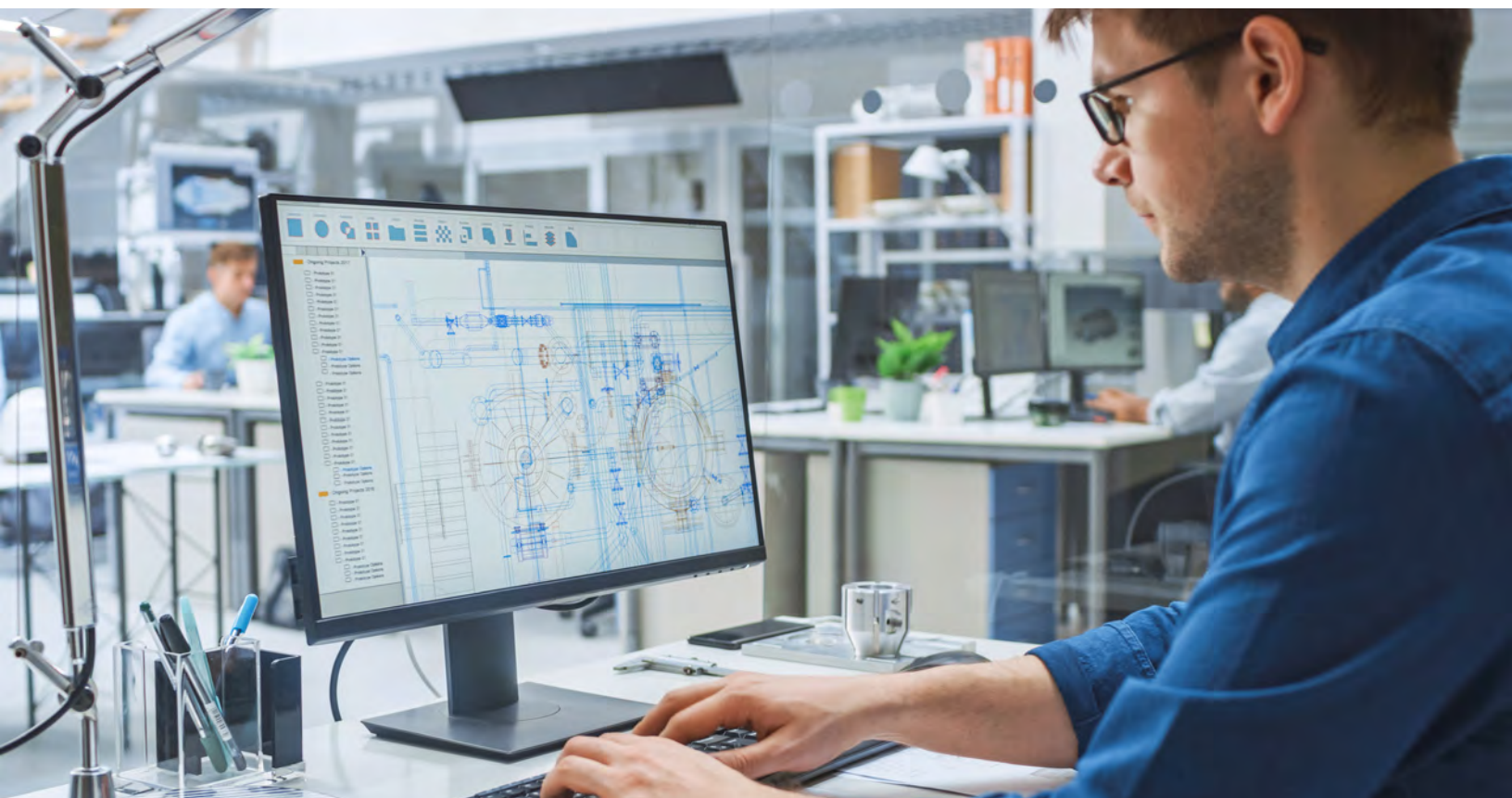
Upgrades and Overhauls

Fluid Quantification

Quick Scan Laboratory Test

Extensive Laboratory Test





## Certifications

QUALITY	FILTER & FILTRATION EQUIPMENT	EQUIPMENT ENVIRONMENTAL TEST REQUIREMENTS
ISO 9001-2015	EI 1581	Mil-DTL-901 Shock Test High Impact -Shipboard Machinery-
PECAL / AQAP 2110	EI 1590	Mil-STD-167 Vibration
BILGE WATER SEPARATORS	Mil-PRF-52308	Mil-STD-810 Lab and Environmental Testing
MED	Mil-PRF-32148	
UKCA	Mil-PRF-15618	
USCG	Mil-F-8901E	
LUBE OIL	UFGS 33 52 43.28	FUEL
Mil-DTL-17331	STANAG 3967	Mil-DTL-5624 NATO F-44 (JP-5)
Mil-DTL-32353	DEF STAN 49-3	Mil-DTL-16884 NATO F-76 Naval Distillate
	DEF STAN 49-4	Mil-DTL-83133 NATO F-34, F-35, F-37 (JP-8, JP-8 w/o FSII, JP8+100)
		ASTM D 1655 NATO F-24 JAA



Cyber Essentials Plus certification, showcasing our commitment to robust cybersecurity, ensuring operational security and sensitive information protection.



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