



Racor Filter Division Europe

Leisure Marine Filtration Products

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



ENGINEERING YOUR SUCCESS.

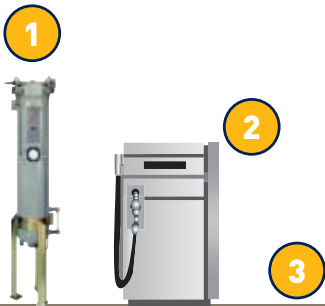
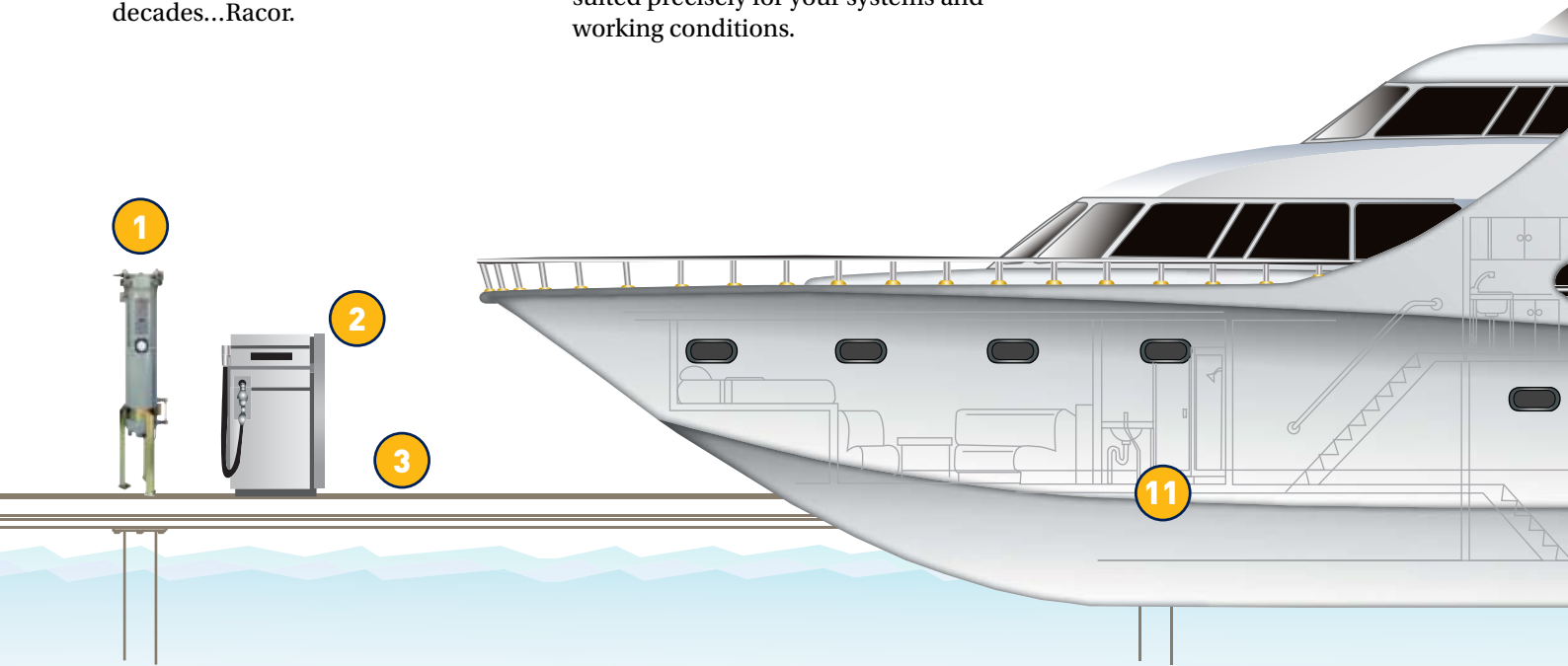
Never leave harbour without

Ask a sailor about engine protection, about filtration or about reliability and performance. Whether they are a captain of a super yacht, sailboat, fishing boat or tug, the chances are the one-word answer will be the same as it has been for over three decades...Racor.

Racor offers a complete range of filtration products that are as efficient as they are reliable.

And for every product you see here, there are dozens of complementary models with capacity and features suited precisely for your systems and working conditions.

Cast off... but not before you've outfitted with Parker Racor – the name to trust for filtration solutions.



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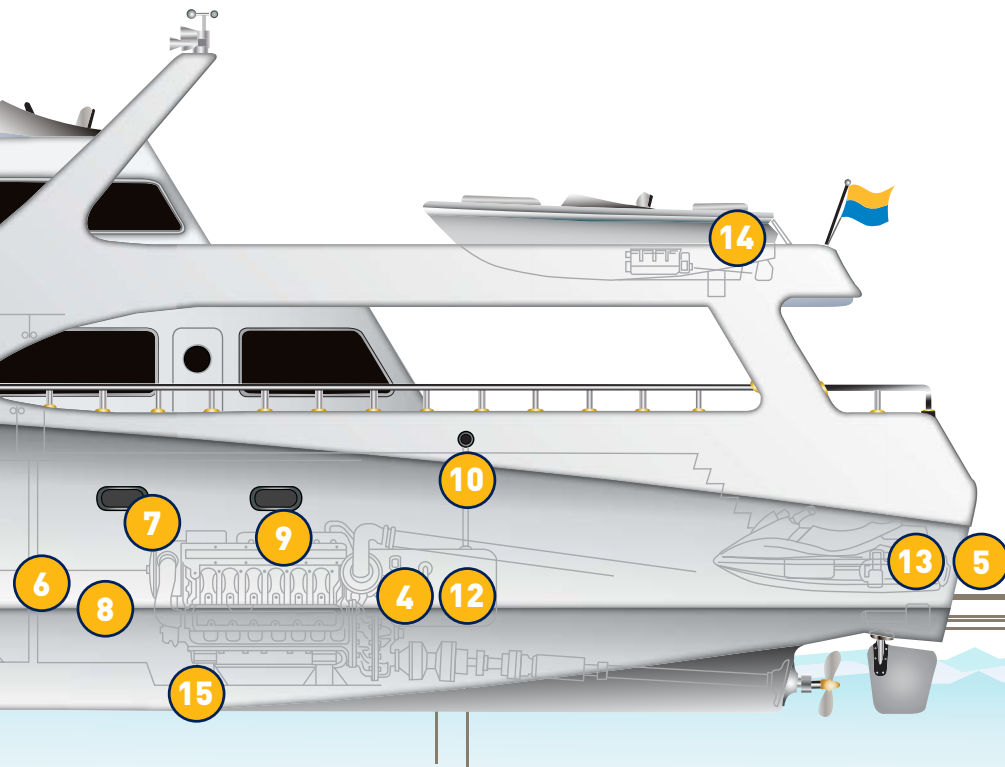


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Hydraulic Filters

the right crew

The World's Best Filtration Starts with The World's Best Engineering



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Racor product overview

Leisure Marine Filtration Products

1

Fuel Delivery

RV Series vessels are designed for use in bulk fuel storage, fuel dispensing, fuel transfer, or large engine applications. Set up as a filter/water separator (RVFS), it removes emulsified free water and solids from diesel fuel, gasoline, and other hydrocarbon streams. Water can be drained and removed from the RVFS sump. RV Series set up as a particulate filter (RVMF) will remove solid contaminants such as dirt, rust, scale, and other solid materials from a hydrocarbon fuel stream, down to two micron.

2

Fuel Dispensing Filter

Start protecting your investment at the source. Racor's Fuel Dispensing Filters are essential for stationary and overhead tanks, marinas and mobile service vehicles. With their easy to install heads, they remove virtually 100% of the contaminants from diesel fuel. Racor elements feature a super absorbent, chemically treated media that absorbs 25 times its weight in water, "locking it in" as a barrier against free and emulsified water. As this media swells, it reduces the flow rate, eventually shutting it off and signalling a need to replace the element. The absence of a bypass valve ensures fuel is completely protected. Racor offers filter protection down to 25 microns. Flow rates range from 15 to 100 gpm. Element service is clean and easy - there's no cartridge to replace - just spin on a new Racor filter element.

3

Racor FBO Filter Trolley

The Racor FBO Filter Trolley is a new lightweight mobile unit ideal for on-site cleaning of fuel tanks, drums and bowzers. It incorporates state-of-the-art Racor fuel filter technology which removes potentially damaging contamination from your diesel fuel. Available with a range of filters from 1 to 25 micron it removes particles and virtually 100% water quickly and efficiently (flow rate of over 50 litres per minute).

4

Marine Hose and Fittings

Parker Marine Hose is a USCG-rated hose for gasoline, diesel, lube oil, and hydraulic systems for commercial and recreational applications. It is fire-resistant and meets SAE J1527 Type A class 1 and SAE J1942 standards. As you'd expect, it delivers test-proven performance in a wide operating temperature range and constant working pressure. Features include long-lasting reinforced construction, kink and cut resistant, and it is compatible with a variety of standard 100R5 fittings.

5

Filter Funnel

The Racor fuel filter funnel is a heavy-duty, fast-flow, filter in a funnel that separates damaging free water and contaminants from gasoline, diesel, heating oil, and kerosene. The RFF fuel filter funnel ensures only clean fuel flows to your engine. The Racor fuel filter funnel is Teflon® coated and contains a 100 Micron Stainless Steel Filter.

6

Diesel Fuel Filter/Water Separators

When engines demand heavy-duty, high-capacity water separation and fuel filtration, the Turbine Series is the most complete, efficient, and reliable engine protection you can install. Symbolising Racor's continuing commitment to the science of filtration, the Turbine Series has established its position as the filter/seperator often imitated, but never equaled. Models that include an aluminum bowl or stainless steel shield meet ASTM F51201 certification, are UL listed, American Bureau of Shipping, Veritas, Det Norske Veritas, ISO 10088, and USCG accepted. For severe service, all-metal bowls should be specified.

7

Air Filter/Silencer

Racor Marine Air Filter/Silencers remove contaminants introduced into the air from both outside and inside the vessel. Sand, salt, carpet fibers, and other contaminants are trapped in the oil-impregnated filter media. Turbo noise is reduced by the unique design of the air filter/silencer housing. An integral hose connection on the housing routes the clean blow-by from the Closed Crankcase Ventilation (CCV) filter back into the engine.

8

804MA Series

Racor announces the addition of our new, compact 804MA Series diesel fuel filter/water separator, made of 100% steel construction to meet ABS and USCG requirements for marine fuel filters on classed and inspected vessels. The new 804MA series will be available in single, dual valved and triple valved configurations and handle fuel flow rates of 240, 480 and 720 gallons per hour, respectively; utilizing the standard Racor 2020 Series filter cartridges. Genuine Racor 2020 filter cartridges feature our proprietary Aquabloc® media and are readily available globally. The 2020 Series cartridges are available in 2, 10, and 30 micron filtration ratings. Install on suction side of pump for maximum efficiency and filter life.

9 Crankcase Filtration

In a robust, compact package, the patented Racor CCV (Closed Crankcase Ventilation) filter provides superior oil coalescence and crankcase pressure control under the most severe conditions. The only routine maintenance required for the CCV is filter replacement. Typical service life of the high-performance filter in diesel applications is 750 hours. Some variations in service life occur depending on load profile, engine wear condition, flow, aerosol mass concentration of crankcase emissions, and soot concentration.

10 Fuel/Air Separators

Next time you fill up, watch your fuel vent line. A typical refueling will send up to one-half gallon of fuel spilling overboard. Fuel spillage is not only expensive, it's absolutely deadly to fragile lakes, rivers, and waterways. Also, USCG and other regulations prohibit the discharge of oils and violators could face civil and criminal penalties. Installed in the fuel tank vent line, the Racor Fuel/Air Separator efficiently separates air from fuel forced into the line. Air is vented, and fuel is returned to the tank. The Fuel/Air Separator captures fuel normally discharged due to agitation and thermal expansion (up to 2.4 PSI).

11 LT Watermakers

The LT desalinator offers freshwater independence for ocean crossings, extended voyages or cruising where dock water supplies are unreliable. The units feature a semi modular frame format, for installation flexibility. The frame is compact and can be above or below the water line. The boost pump and prefilters are supplied as loose items.

12 Hydraulic Filters

Racor Water-Absorbing Hydraulic Filters feature a specially designed media that traps not only solid contaminants like dirt and rust, but damaging water as well. Water absorbing spin-on hydraulic filters are available for virtually any application and are available in a ten micron nominal rating. Racor Resin-Impregnated Hydraulic Filters include media that traps solid contaminants like dirt and rust as it repels water. Resin-impregnated hydraulic filters are available for virtually any application and are available in a ten micron nominal rating.

13 In-Line Gasoline Filters

Racor In-line Gasoline Filters keep your fuel clean and dry, because having grime and water in your fuel spells disaster. More than ever, today's high-performance gasoline engines require clean, dry fuel. Standard fuel filters simply do not hold up from normal usage, and don't offer the improved features, durability, and peace-of-mind that comes with Racor fuel filters. Experienced sailors trust their engines, their livelihood, and even their lives to Racor's high quality marine products.

14 Marine Spin-On Series

Racor fuel filter/water separators with Aquabloc®II media remove virtually 100% of damaging water and solids, allowing engines to maintain maximum horsepower and efficiency. Install a Racor mounting head and filter or spin a filter directly onto your engine and instantly improve its performance. More than ever, today's high-performance gasoline inboard and outboard engines require clean, dry fuel. No matter how carefully gasoline is handled and stored, dirt, rust, gums, algae and water are going to find their way in, and just a few drops can leave you dead in the water.

15 Absolute Oil Bypass

Absolute Oil Bypass: The Absolute replacement filter is the heart of the Absolute bypass filtration system. Made from a special cellulose material wound onto a central core, it combines micro and depth filtration by using the axial filtration principle (flow direction from the top to the bottom). A card sleeve compresses the lower part to increase the density. A non-woven cloth protects the base and stops particle and media migration. Racor Absolute is a unique oil cleaning system that puts theoretical filtration principles and mechanisms into practice. Low flow, low pressure, and axial filtration combined with special cellulose filter material enables us to achieve ultimate filtration.



Racor also has filtration solutions suitable for Commercial Marine markets. For more information, please email filtrationinfo@parker.com

Water Detection Modules & Kits

Racor Water Detection Kits are available in a wide selection for various installation requirements. Under-dash, in-dash, and remote mount, these solid-state units may be used with any Racor fuel filter/water separator and water probe. They are manufactured using the highest quality materials and are all 100% electrically tested. An electronic detection module analyses electrical resistance at the water probe and determines if water is present. All units reset automatically after water is removed (unless specified).

Caution: The water probe and detection modules work with 12 or 24 volts, direct current only and should never be wired to other brand modules or household 110 or 220 volts, alternating current.

Water Detection Probes

Water probes simply provide metal pin tip entry into a water collection bowl. They contain no active electronics and require an external electronic detection module to detect water.

Electronic Detection Modules

Detection modules have internal electronics that pass a small current across special metal pins. When water bridges the pin tips, a solid state switch is activated allowing a larger current to flow to drive a light or provide a signal to an engine computer. Electronic detection modules will automatically reset once water is drained away from the probe tips.

Detailed instructions are supplied with every WIF sensor and electronic detection module.



Electric Primer Pump Kit

Racor's electric primer pump kit can be retrofitted to many of the Racor 900 or 1000 Turbine Series fuel filters/water separators already in service. The filter pump is an innovative and proprietary system consisting of a 100 micron pre-screen filter, a flow bypass circuit, and an innovative roller cell pump powered by a 12 or 24 vdc Racor brushless motor. When the switch is activated the fuel is drawn into the pre-screen, then pumped through the housing, refilling the unit with fresh, clean, dry fuel. When not in use, the filter pump system is bypassed and the Racor fuel filter/water separator functions normally.

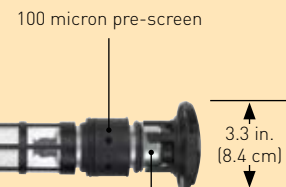
The complete primer pump kit includes a wiring harness and controller switch.

Order Part Number:
RKP1912 for 12 vdc systems
RKP1924 for 24 vdc systems

NOTE: Do not use in continuous duty applications



The unitised assembly is only 3.3 in. (8.4 cm) tall and kit is easily retrofitted to a 900 or 1000 series filter. For Racor duplex or triplex filter systems, only one primer pump is needed.



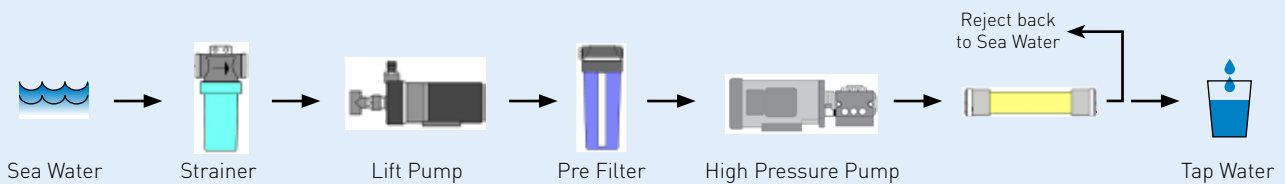
Flow 60 GPH (227 LPG) in priming mode

LT Series Watermakers

For a practical and reliable fresh water supply, the LT desalinator offers fresh water independence for ocean crossings, extended voyages or cruising where dock water supplies are unreliable. The units feature a semi modular frame format, for installation flexibility. The frame is compact and can be above or below the water line. The boost pump and prefilters are supplied as loose items.

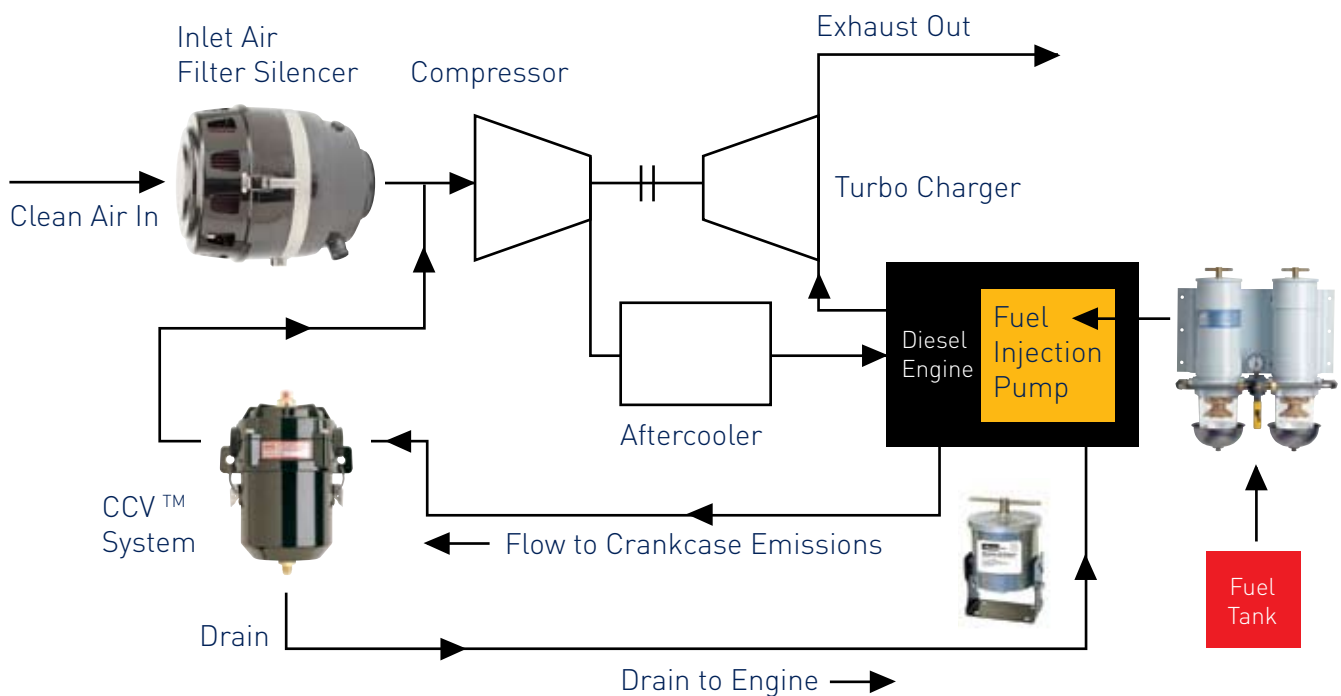


Reverse Osmosis process



Diesel Engine Schematic

A schematic indicating air intake filtration, crankcase ventilation and water separation and fuel filtration in a modern diesel engine.



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