

# Racor Marine Filtration Solutions

Bulletin No. 7780 Rev B



**Additional  
information  
on back...**



ENGINEERING YOUR SUCCESS.

### 1. Fuel Delivery (bulletin #7648)

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.

### 3. Additives (bulletin #7518)

Racor Additives are performance-enhancing products for all climates and seasons. There are several convenient sizes including a 16 oz. bottle, 1 and 5 gallon containers, and a 55 gallon drum. The high concentration of active ingredients allow for higher treatment rates and all Racor fuel additives are alcohol-free. Racor additives are specifically designed for gasoline and diesel fuels and are compatible with biodiesel blends up to B20.

### 5. Top-Load Oil Filters (bulletin #7460)

Racor Top-Load Oil Filters are permanent assemblies with cartridge filters. An uncompromising high level of fluid cleanliness is needed to achieve operating efficiency and reach service life. The environmentally-friendly cartridge oil filters are crushable, incinerable, and cost-effective to replace. Filter service is from the top of the module and skin contact is minimal due to the unique screw top cap and oil filter attachment. The remote mount oil filter assembly comes standard with a patented auto drain valve that allows the dirty oil to drain back into the sump when the screw cap is removed to service the filter.

### 7. Air Filter/Silencer (7480 catalog)

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.

### 9. Crankcase Filtration (bulletin #7678)

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.

### 11. Marine Gasoline Spin-on (bulletin #7702)

The PFF5510 gasoline fuel filter/water separator replaces standard fuel filters found on most Mercury, Mercruiser, Yamaha, Suzuki, Honda, and Tohatsu marine gasoline applications. It has 11/16"-16 center threads and features ten micron Aquabloc®II media to outperform other filters in inboard or outboard, two or four cycle applications. In fact, the PFF5510 performance exceeds all OEM requirements and is suitable for all low or high pressure injection systems. The PFF5510 provides a durable, high-performance filter that is treated inside and out with a highly corrosion resistant coating to eliminate rust-through.

### 13. In-Line Gasoline Filters (bulletin #7702)

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. Shouldn't you?

### 15. Watermakers (villagemarine.com)

Turn sea water into fresh water! Watermakers are compact, full featured systems for pleasure boat and light commercial applications. They include all the luxuries necessary to please the most discriminating captain. Standard equipment includes: remote control, titanium head triplex pump to reduce noise and vibration, and a maintenance free air/oil separator. Available in self-contained frame (SPW), semi-modular (STW), and completely modular (MPW) configurations with capacities ranging from 400 to 800 GPD. Flexibility and performance for every powerboat application!

### 2. Fuel Dispensing Filters (bulletin #7589)

FBO filter assemblies are designed to meet the toughest hydrocarbon refueling conditions and feature easy cartridge element change-outs. The FBO can be used on mobile refuelers or installed in refueling cabinets. It can also be used for diesel or gasoline fuel dispensing pumps, as a primary fuel filter/water separator for large diesel engines, or as bulk fuel handling, fuel transfer, and on other higher flow applications.

### 4. Marine Hose and Fittings (bulletin #7536)

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.

### 6. Diesel Fuel Filter/Water Separators with Pumps (7480 catalog)

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. Symbolizing Racor's continuing commitment to the science of filtration, the Turbine Series has established its position as the filter/separator often imitated, but never equaled. Models that include an aluminum bowl or stainless steel shield meet ASTM FS1201 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. Other fuel filtration assemblies include high-flow fuel filter/coalescers.

### 8. Bypass Oil Filters (bulletin #7763)

The Racor Bypass Oil Series removes dirt, varnish, ash, tar, soot, and other contaminants that full-flow filters cannot remove from your engine's oil and hydraulic systems. The system also removes condensed water, which forms component-damaging acids if left in the oil. Bypass filters remove damaging contaminants to minimize wear and extend engine component life. The Racor bypass filter has a one micron nominal rating.

### 10. Fuel/Air Separators (7480 catalog)

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).

### 12. Hydraulic Filters (bulletin #7376)

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.

### 14. Spin-On Gas Filters (bulletin #7702)

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.

Racor fuel filter/water separators are available in two and ten micron Aquabloc®II media and remove virtually 100% of damaging water and solids, allowing engines to maintain maximum horsepower and efficiency. Install a Racor mounting head or spin directly onto your engine and improve its performance.

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