

## Compact and Versatile Systems for Main Propulsion and Genset Applications

### 1 Cost-Effective

Cost-effective designs for on-engine or remote mounting. Complete assemblies available in all-metal bowls.

### 2 High-Capacity

Hand-operated fuel priming pumps are integral to many Racor diesel spin-on series models, a feature that allows for the removal of unwanted air from the filter and the engine fuel system.

### 3 Environmentally Friendly

Metal bowls are reusable, impact-resistant and virtually indestructible. When it's time for service, only the filter element is replaced – the bowl and drain plug are reused. The long life-cycle of the bowl saves money and reduces the environmental impact through disposal of less material. Use metal bowl versions for all marine engine room applications.

### 4 Easy Upgrades

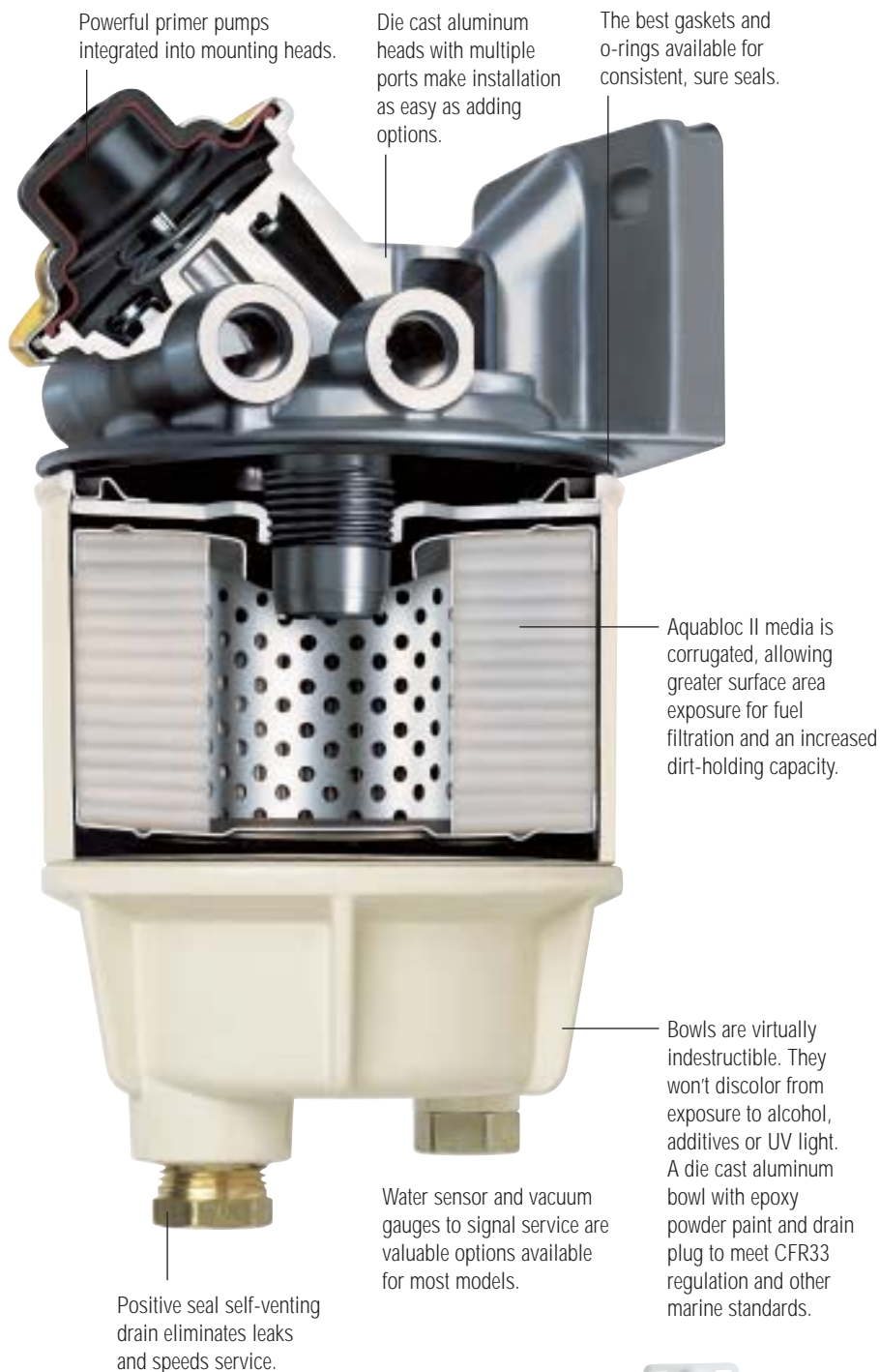
Water in fuel sensors are available to alert operators to drain accumulated water from the bowl.

### 5 Corrosion-Resistant Construction

Advanced technology means bowls will not deteriorate from water collection, alcohol-blended fuels, exposure to harsh additives, salt spray, or UV light.

### 6 Safety First

Racor's UL-listed filters meet ABYC, ASTM, ISO, and many other global standards for filters used in marine engine rooms.



Racor Aquabloc elements are available in 2-, 10- and 30-micron ratings.  
 Red = 30-micron, primary, good.  
 Blue = 10-micron, primary, better.  
 Brown = 2-micron, primary or secondary, best.



A handy accessory – bowl removal wrench  
 Part # 22628



## Dual Spin-On Filter/Separators

With the Racor Model 75B32009M, a simple turn of the integral handle puts a clean filter in service when the on-line filter gets dirty – so engines can keep operating.



Maximum fuel flow is 120 gph with both filters on-line (or one-half maximum fuel flow with one filter on-line). Ideal for gensets and propulsion engines when space is a concern. Element replacement is not possible while the engine is running.

Please specify carefully – there are important differences among Spin-On Series features which effect performance and application.



	110A	120RMAM	230RMAM	245RMAM	460MAM	490MAM	4120MAM
Maximum Flow Rate	15 gph / 57 lph DIESEL 35 gph / 133 lph GAS	15 gph / 57 lph	30 gph / 114 lph	45 gph / 170 lph	60 gph / 227 lph	90 gph / 341 lph	120 gph / 454 lph
Gasoline or Diesel <sup>1</sup>	Both	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Vacuum Installation	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pressure Installation	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Maximum PSI <sup>1</sup>	100 PSI / 690 kPa	7 PSI / 48 kPa	30 PSI / 207 kPa	30 PSI / 207 kPa	30 PSI / 207 kPa	30 PSI / 207 kPa	15 PSI / 103 kPa
Clean Pressure Drop	0.15 PSI 1.08 kPa	0.15 PSI 1.08 kPa	0.31 PSI 2.14 kPa	0.61 PSI 4.21 kPa	0.39 PSI 2.7 kPa	0.95 PSI 6.5 kPa	.85 PSI 5.9 kPa
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	3/8" NPT	3/8" NPT	3/4" SAE
Integral Primer Pump	No	No	Yes	Yes	Yes	Yes	Yes
Element	R11T	R12SUL	R20TUL	R25TUL	S3211TUL	S3201TUL	S3201TUL
No. of Ports	4	4	3	3	4	4	4
Drain Type	Positive Seal	Positive Seal	Positive Seal	Positive Seal	Positive Seal	Positive Seal	Positive Seal
Water Sensor Option	No	Yes	Yes	Yes	Yes	Yes	Yes
Height	6" / 152 mm	6.5" / 165 mm	9" / 229 mm	10.5" / 267 mm	11" / 279 mm	11.8" / 300 mm	15" / 381 mm
Width	3.2" / 81 mm	3.2" / 81 mm	4" / 102 mm	4" / 102 mm	4.5" / 114 mm	4.5" / 114 mm	4.5" / 114 mm
Depth	3.2" / 81 mm	3.2" / 81 mm	4" / 102 mm	4" / 102 mm	4.8" / 121 mm	4.8" / 121 mm	4.8" / 121 mm
Weight	1.3 lbs / 0.59 kg	1.3 lbs / 0.59 kg	2 lbs / 0.90 kg	2.2 lbs / 1.0 kg	2.7 lbs / 1.3 kg	2.9 lbs / 1.4 kg	3.9 lbs / 1.8 kg

(1) Pressure installations are applicable up to the maximum PSI shown.

# GASOLINE SPIN-ON SERIES

Primer pump.



Racor innovation leads the market again, the new 490R-RAC-01 gasoline fuel filter/water separator with integral primer pump for outboards. Eliminates the need to install a primer bulb in the fuel line.

## The Most Complete Protection On The Water

Being on the water is fun, having water in your fuel is not. And more than ever today's high-performance gasoline inboard and outboard engines require clean, dry fuel. Racor filters offer the improved features and peace-of-mind that come with our quality fuel filter/water separators.

- Clear contaminant collection bowl with drain valve for outboards
- 10-micron Aquabloc II media
- High capacity and long life. Rate 98% efficient at 10 micron per SAE test procedures.
- Corrosion-resistant construction
- Metal bowl units for inboard powered boats meet 33 CFR and USCG regulations
- Meets ABYC standard for gasoline-powered vessels



Basic Models	120R-RAC-01	120R-RAC-02	320R-RAC-01	320R-RAC-02	490-RAC-01	660-RAC-01	660-RAC-02	3120R-RAC-32
Maximum Flow Rate	30 gph / 114 lph	30 gph / 114 lph	60 gph / 227 lph	60 gph / 227 lph	90 gph / 341 lph	90 gph / 341 lph	90 gph / 341 lph	120 gph / 454 lph
Filter Element No.	S3240	S3240UL	S3227	S3228UL	S3227	S3232	S3232UL	S3232UL
Center Threads	M18 x 1.5	M18 x 1.5	1-14	1-14	1-14	1-14	1-14 1-14	
Head Port Size	1/4-18NPTF	1/4-18NPTF	1/4-18NPTF	1/4-18NPTF	3/8-18NPTF	3/8-18NPTF	3/8-18NPTF	1/2-14NPTF(1)
Height	6.5" / 166 mm	6.0" / 153 mm	9.38" / 238 mm	9.38" / 238 mm	9.5" / 241 mm	11.00" / 280 mm	11.00" / 280 mm	10.38" / 264 mm
Width	3.2" / 81 mm	3.2" / 81 mm	4" / 102 mm	4" / 102 mm	4.5" / 114 mm	4.2" / 106 mm	4.2" / 106 mm	4" / 102 mm
Depth	3.2" / 81 mm	3.2" / 81 mm	4" / 102 mm	4" / 102 mm	4.8" / 121 mm	4.5" / 114 mm	4.5" / 114 mm	5" / 127 mm
Weight (dry)	1.1 lbs / .05 kgs	1.2 lbs / .06 kgs	2 lbs / 0.90 kgs	2 lbs / 0.90 kgs	2.6 lbs / 1.3 kgs	3 lbs / 1.4 kgs	3 lbs / 1.4 kgs	2 lbs / 0.90 kgs
Clean Pressure Drop	0.15 PSI / 1.03 kPa	0.15 PSI / 1.03 kPa	0.61 PSI / 4.23 kPa	0.61 PSI / 4.23 kPa	.95 PSI / 6.5 kPa	0.61 PSI / 4.23 kPa	0.61 PSI / 4.23 kPa	0.15 PSI / 1.03 kPa
Max Pressure	7 PSI / 48 kPa	7 PSI / 48 kPa	7 PSI / 48 kPa	7 PSI / 48 kPa	7 PSI / 48 kPa	7 PSI / 48 kPa	7 PSI / 48 kPa	7 PSI / 48 kPa
Element Removal / Underbowl	1" / 25.4mm	1" / 25.4mm	1" / 25.4mm	1" / 25.4mm	1" / 25.4mm	1" / 25.4mm	1" / 25.4mm	1" / 25.4mm
Operating Temp.	-40' to +255' F / -40' to +124' C							

(1) Pressure installations are applicable up to the maximum PSI shown. Racor filter/separators will not separate oil from gasoline in blended fuel mixtures.

Compact filters for smaller boats and personal watercraft.



Part No.	025-RAC-01	025-RAC-02	025-RAC-05	110A	025-RAC-09	025-RAC-10	025-RAC-12
Flow Rate	25 gph	25 gph	25 gph	35 gph	45 gph	45 gph	25 gph
Media	250-micron cleanable plastic screen	10-micron Aquabloc II filter	10-micron Cellulose filter	10-micron Aquabloc II filter	105-micron screen	105-micron prescreen filter	10-micron cellulose filter
Configuration	Anodized mounting head w/ reusable see-thru bowl	Anodized mounting head w/ reusable see-thru bowl	Stainless steel 5/16" w/ hose barb epoxy paint	1/4" NPTF die cast painted mounting head	3/8" NPTF Stainless steel	1/2" npt epoxy paint	5/16" hose barb plastic
Dimensions	2.25" x 4.25"	2.25" x 4.25"	4.75" x 2.30"	6" x 3.20"	4.75" x 1.85"	4.75" x 1.85"	3.92" x 1.25"





**Every time you squeeze the trigger, you threaten your engine's life.**

No matter how carefully diesel or 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 with Aquabloc media remove virtually 100% of damaging water and solids, allowing engines to run with more power and greater efficiency. Install a Racor mounting head or spin directly onto your existing filter head to protect your engine and improve its performance. Spin on a Racor fuel filter/water separator, for the life of your engine.

**Upgrade Your Standard Gasoline Filter**

Now, owners of inboard or outboard engines can get smoother operation and longer life – all in one easy spin onto their existing engine filter heads. There's a choice of rugged, reusable see-thru bowl with self-venting drain or a metal bowl with drain plug for inboard applications. Metal bowls are UL-listed and USCG accepted. See-thru bowls are for outboard applications only.



For inboards:  
B32020MAM  
B32021MAM

For outboards:  
B32013  
B32014

OUTBOARD ENGINE VESSELS	
PFF55510	Replaces Mercury, Mercruiser, Yamaha, Suzuki, Honda, Tohatsu.
B32013	Replaces Quicksilver. Also fits: Yamaha, Suzuki, SMI, Volvo Penta, Sierra, AquaPower and other filter heads. With see-thru bowl.
S3213	Replacement Element for B32013.
B32014	Replaces OMC. See-thru bowl.
S3214	Replacement Element for B32014.
INBOARD ENGINE VESSELS	
PFF55510	Replaces Mercury, Mercruiser, Yamaha, Suzuki, Honda, Tohatsu.
B32020MAM	Replaces Quicksilver. Also fits: SMI, Sierra AquaPower and other filter heads. Metal bowl.
S3220UL	Replacement Element for B32020MAM.
B32021MAM	Replaces OMC Metal Bowl. UL recognized.
S3221UL	Replacement Element for B32021MAM.

**PF Series**

Introducing the ParFit™ marine fuel filter/ water separator for most inboard, outboard, two- and four-cycle gasoline engine applications. The PFF5510 has specially treated Aquabloc 10-micron rated media, guaranteed to outperform standard gas filters.

The ParFit PFF5510 gasoline fuel filter/ water separator replaces standard filters in most popular marine gasoline engine applications. Applications include Mercury, Mercruiser, Yamaha, Suzuki, Honda, Tohatsu and other mounting heads. Dimensions are 4 1/4" diameter x 4 1/4" tall.



ParFit PFF5510

The ParFit PFF5510 gasoline fuel filter/ water separator media was laboratory tested by Racor to SAE standards to guarantee optimum capacity and water removal performance. The PFF5510 is treated inside and out with highly corrosion-resistant coatings to eliminate rust-through.

**Features and Benefits**

- Racor certified manufacturing practices ensures superior construction and performance quality.
- Filter media researched and specified by Racor filtration experts means better engine protection compared to other low-cost fuel filter brands.
- High contaminant-capacity and 96% @ 10 micron particle removal efficiency makes this filter suitable for all low or high-pressure injection systems.
- 99% efficient water-removing filter media.
- Performance exceeds OEM specifications.
- 11/16"-16 threads for the most popular applications.

Globally, most marine fuel system engineers choose or recommend Racor as the choice for fuel system protection.