

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

### Cost-Effective

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

### High-Capacity

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

### Environmentally Friendly

Metal bowls are reusable, impact-resistant, and ready for the real world. When it's time for service, only the filter is replaced—the bowl and drain plug are reused. The long life-cycle of Racor bowls saves you money and reduces the environmental impact through disposal of less material.

**Note: Use metal bowl versions for all marine engine room applications.**

### Easy Upgrades

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

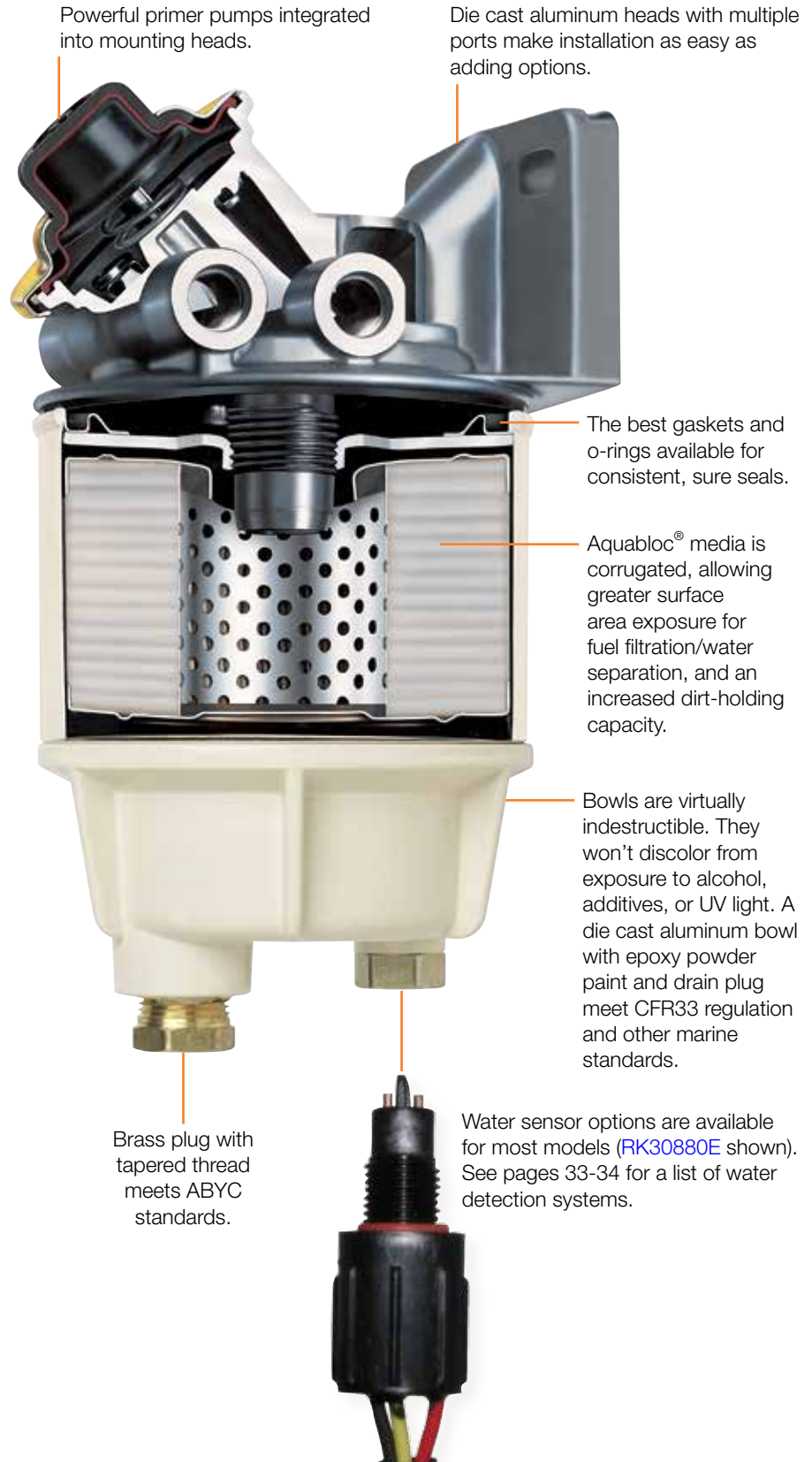
### Corrosion-Resistant Construction

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

### Safety First

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

# Diesel Spin-on Series



# Diesel Spin-on Filters

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



Specifications	120RMAM2	120RMAM30	215RMAM	230RMAM	245RMAM
Maximum Flow Rate	15 GPH (57 LPH)	15 GPH (57 LPH)	15 GPH (57 LPH)	30 GPH (114 LPH)	45 GPH (170 LPH)
Maximum PSI <sup>1</sup>	7 PSI (0.5 bar)	7 PSI (0.5 bar)	30 PSI (2.1 bar)	30 PSI (2.1 bar)	30 PSI (2.1 bar)
Clean Pressure Drop	0.15 PSI (0.01 bar)	0.15 PSI (0.01 bar)	0.12 PSI (0.01 bar)	0.3 PSI (0.02 bar)	0.6 PSI (0.04 bar)
Port Size	1/4"-18 NPTF	1/4"-18 NPTF	1/4"-18 NPTF	1/4"-18 NPTF	1/4"-18 NPTF
Primer Pump	No	No	Yes	Yes	Yes
Replacement Filter	R12SUL	R12PUL	R15TUL	R20TUL	R25TUL
Number of Ports	4	4	3	3	3
Water Sensor Option	RK30880E or RK23191 (Stainless Steel - UL Listed/ABS Marine Type Approved)				
Height	5.7 in. (14.5 cm)	5.7 in. (14.5 cm)	7.7 in. (19.6 cm)	9.0 in. (22.9 cm)	10.5 in. (26.7 cm)
Width	3.2 in. (8.1 cm)	3.2 in. (8.1 cm)	3.9 in. (9.9 cm)	3.9 in. (9.9 cm)	4.0 in. (10.2 cm)
Depth	3.2 in. (8.1 cm)	3.2 in. (8.1 cm)	4.0 in. (10.2 cm)	4.0 in. (10.2 cm)	4.0 in. (10.2 cm)
Weight (approx.)	1.4 lb (0.6 kg)	1.4 lb (0.6 kg)	1.2 lbs (0.5 kg)	2.0 lbs (0.9 kg)	2.2 lbs (1.0 kg)
Ambient Temp Range	-40° to +255°F (-40° to +124°C)				
Maximum Fuel Temp	190°F (88°C)				

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



Specifications	445MAM10	460MAM10	490MAM10	4120MAM10	4120MAM30
Maximum Flow Rate	45 GPH (170 LPH)	60 GPH (227 LPH)	90 GPH (341 LPH)	120 GPH (454 LPH)	120 GPH (454 LPH)
Maximum PSI <sup>1</sup>	15 PSI (1.0 bar)	15 PSI (1.0 bar)	15 PSI (1.0 bar)	15 PSI (1.0 bar)	15 PSI (1.0 bar)
Clean Pressure Drop	0.2 PSI (0.01 bar)	0.3 PSI (0.02 bar)	0.4 PSI (0.03 bar)	0.5 PSI (0.03 bar)	0.5 PSI (0.03 bar)
Port Size	3/8" NPTF	3/8" NPTF	3/8" NPTF	3/4" SAE	3/4" SAE
Primer Pump	Yes	Yes	Yes	Yes	Yes
Replacement Filter	S3204TUL	S3211TUL	S3201TUL	S3201TUL	S3201PUL
Number of Ports	4	4	4	4	4
Water Sensor Option	RK30880E				
Height	9.4 in. (23.9 cm)	10.8 in. (27.4 cm)	12.8 in. (32.5 cm)	12.8 in. (32.5 cm)	12.8 in. (32.5 cm)
Width	4.5 in. (11.4 cm)	4.5 in. (11.4 cm)	4.5 in. (11.4 cm)	4.5 in. (11.4 cm)	4.5 in. (11.4 cm)
Depth	4.8 in. (12.2 cm)	4.8 in. (12.2 cm)	4.8 in. (12.2 cm)	4.8 in. (12.2 cm)	4.8 in. (12.2 cm)
Weight (approx.)	2.9 lbs (1.3 kg)	3.1 lbs (1.4 kg)	3.3 lbs (1.5 kg)	3.3 lbs (1.5 kg)	3.3 lbs (1.5 kg)
Ambient Temp Range	-40° to +255°F (-40° to +124°C)				
Maximum Fuel Temp	190°F (88°C)				

<sup>1</sup> Pressure Installations are applicable up to the maximum PSI shown, vacuum installations are recommended.

Racor Aquabloc® Spin-on Fuel Filters Are Available in Color Coded 2,10, or 30 Micron Ratings.

- P** = 30 micron, primary filtration.
- T** = 10 micron, secondary filtration.
- S** = 2 micron, final filtration.

## Aquabloc® Spin-on Fuel Filters

Besides removing asphaltenes, water, gums, and varnishes, Aquabloc® filters out tiny particles of dirt and algae from diesel fuel.

With an Aquabloc® replacement filter, you get a complete kit with all the seals you need. And not just any seals, but specially-formulated, Racor-engineered seals.

Always carry extra Racor fuel filters as one tankful of dirty fuel can quickly clog a filter.

