



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



Gasoline Fuel Filters

For Marine Applications



ENGINEERING YOUR SUCCESS.

Complete Protection On The Water

Every time you squeeze the trigger, you threaten your engines life.

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 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.



Direct Spin-on Replacement

Many vessels come equipped with some type of standard filter. Racor offers premium filter upgrades that fit directly onto existing mounting heads. Racor offers premium filter systems which include a mounting head and bracket for those vessels without a standard fuel filter.

Selection Guide:

Vessels with Inboard Gasoline Engines or Generators:

- 1) Must use Racor filter equipped with metal bowls.
- 2) Carbureted engines can use any UL rated Racor gasoline filter.
- 3) High-performance engines (severe service application) or fuel-injected engines should use units with a flow rate between 40 to 120 GPH (151 to 454 LPH). Consult engine or boat manufacturer for exact fuel flow rate.
 - For boats where a fuel filter/water separator is already installed, this is generally a Mercruiser or OMC style filter head (fuel ports are on top of filter head), use the B32020MAM (Mercruiser) or B32021MAM (OMC) filter.
 - If there are no filters already installed, specify the 120R-RAC-02, 320R-RAC-02, or 660R-RAC-02 filter based upon required flow rate of engine.
 - For high-performance boats, the 3120R-RAC-32 is recommended.
 - A higher pressure rated filter is available, see model 110A rated at 100 PSI (6.9 bar).

Vessels with Outboard Gasoline Engines:

- 1) Can use Racor filters with either clear bowls or metal bowls.
- 2) Carbureted engines can use all units.
- 3) High-performance engines (severe service application) or fuel-injected engines should use units with a flow rate between 40 to 120 GPH (151 to 454 LPH). Consult engine or boat manufacturer for exact fuel flow rate.
 - For boats where a fuel filter/water separator is already installed, this is generally a Mercury/Quicksilver or OMC style filter (fuel ports are on top of the head), use the B32013 (Quicksilver) or B32014 (OMC).
 - If there are no filters installed, specify the 120R-RAC-01, 320R-RAC-01, or 660R-RAC-01 filter based upon flow rate of engine.
 - For high-performance boats, the 3120R-RAC-32 is recommended.
 - For a unit that can replace your primer bulb, use the 490R-RAC-01 with integral primer pump.

Note: Clear bowls are for outboard applications only. Important - all filters must be installed on the suction (vacuum) side of the fuel transfer pump.



In-Line

Specifications	025-RAC-10A
Application	Inboard/Outboard
Micron	104
Maximum Flow Rate	35 GPH (132 LPH)
Ports	1/2"-14 NPTF
Height	4.2 in. (10.7 cm)
Diameter	1.9 in. (4.8 cm)
<i>Note: Replace entire assembly at normal service interval</i>	



Direct Spin-On Replacements



Specifications	31871	B32013	B31014
Application	Outboard Only	Outboard Only	Outboard Only
OEM Application	Mercury	Quicksilver	OMC
Micron	2	10	10
Maximum Flow Rate	50 GPH (189 LPH)	60 GPH (227 LPH)	60 GPH (227 LPH)
Replacement Filter	N/A	S3213	S3214
Height	5.0 in. (12.7 cm)	7.2 in. (18.3 cm)	7.2 in. (18.3 cm)
Diameter	2.1 in. (5.3 cm)	3.8 in. (9.7 cm)	3.8 in. (9.7 cm)
Center Threads	N/A	11/16"-16**	1"-12

** The 11/16"-16 thread is the most common and fits most existing filter mounting heads in service.

Direct Spin-On Replacements



Specifications	B32020MAM	B32021MAM	S3220S UL
Application	Inboard/Outboard	Inboard/Outboard	Inboard/Outboard
OEM Application	Mercruiser	OMC	Mercruiser
Micron	10	10	2
Maximum Flow Rate	60 GPH (227 LPH)	60 GPH (227 LPH)	60 GPH (227 LPH)
Replacement Filter	S3220 UL	S3221 UL	N/A
Height	6.5 in. (16.5 cm)	6.5 in. (16.5 cm)	4.0 in. (10.2 cm)
Diameter	3.8 in. (9.7 cm)	3.8 in. (9.7 cm)	3.7 in. (9.4 cm)
Center Threads	11/16"-16**	1"-12	11/16"-16**

** The 11/16"-16 thread is the most common and fits most existing filter mounting heads in service.



Specifications	PFF5510	S3228S UL
Application	Inboard/Outboard	Inboard/Outboard
Micron	10	2
Maximum Flow Rate	60 GPH (227 LPH)	60 GPH (227 LPH)
Height	4.2 in. (10.7 cm)	4.0 in. (10.2 cm)
Diameter	3.6 in. (9.1 cm)	3.7 in. (9.4 cm)
Center Threads	11/16"-16**	1"-14

** The 11/16"-16 thread is the most common and fits most existing filter mounting heads in service.

Complete Assemblies

For Outboard Applications



Specifications	025-RAC-01	025-RAC-02
Application	Outboard Only	Outboard Only
Micron	250	10
Maximum Flow Rate	25 GPH (95 LPH)	25 GPH (95 LPH)
Ports	1/4"-18 NPTF	1/4"-18 NPTF
Replacement Filter	S2501	S2502
Height	4.3 in. (10.9 cm)	4.3 in. (10.9 cm)
Diameter	2.1 in. (5.3 cm)	2.1 in. (5.3 cm)
Width	2.3 in. (5.8 cm)	2.3 in. (5.8 cm)
Notes	Cleanable	Aquabloc®II Media



Specifications	120R-RAC-01	320R-RAC-01	490R-RAC-01	660R-RAC-01
Application	Outboard Only	Outboard Only	Outboard Only	Outboard Only
Micron	10	10	10	10
Maximum Flow Rate	30 GPH (114 LPH)	60 GPH (227 LPH)	90 GPH (341 LPH)	90 GPH (341 LPH)
Ports	1/4"-18 NPTF	1/4"-18 NPTF	3/8"-18 NPTF	3/8"-18 NPTF
Replacement Filter	S3240	S3227	S3227	S3232
Height	6.5 in. (16.5 cm)	9.3 in. (23.6 cm)	9.9 in. (25.1 cm)	11.0 in. (27.9 cm)
Diameter	3.2 in. (8.1 cm)	4.0 in. (10.2 cm)	4.8 in. (12.2 cm)	4.5 in. (11.4 cm)
Width	3.2 in. (8.1 cm)	4.0 in. (10.2 cm)	4.5 in. (11.4 cm)	4.2 in. (10.7 cm)
Notes	4 Ports	3 Ports	4 Ports/ Primer Pump	4 Ports

Complete Assemblies

For Inboard or Outboard Applications

Specifications	110A
Application	Inboard/Outboard
Micron	10
Maximum Flow Rate	35 GPH (132 LPH)
Ports	1/4"-18 NPTF
Replacement Filter	R11T
Height	6.0 in. (15.2 cm)
Diameter	3.3 in. (8.4 cm)
Width	3.2 in. (8.1 cm)
Notes	Cartridge Filter



Specifications	120R-RAC-02	320R-RAC-02	660R-RAC-02
Application	Inboard/Outboard	Inboard/Outboard	Inboard/Outboard
Micron	10	10	10
Maximum Flow Rate	30 GPH (114 LPH)	60 GPH (227 LPH)	90 GPH (341 LPH)
Ports	1/4"-18 NPTF	1/4"-18 NPTF	3/8"-18 NPTF
Replacement Filter	S3240UL	S3228 UL (10 micron) S3228S UL (2 micron)	S3232 UL
Height	6.0 in. (15.2 cm)	9.0 in. (22.9 cm)	10.5 in. (26.7 cm)
Diameter	3.2 in. (8.1 cm)	4.0 in. (10.2 cm)	4.5 in. (11.4 cm)
Width	3.2 in. (8.1 cm)	4.0 in. (10.2 cm)	4.2 in. (10.7 cm)
Notes	4 Ports	3 Ports	4 Ports

High-Performance Assembly

For Inboard or Outboard Applications

Specifications	3120R-RAC-32
Application	Inboard/Outboard
Micron	10
Maximum Flow Rate	120 GPH (454 LPH)
Ports	1/2"-14 NPTF
Replacement Filter	S3232 UL
Height	10.4 in. (26.4 cm)
Diameter	5.0 in. (12.7 cm)
Width	4.0 in. (10.2 cm)
Notes	2 Ports



Product Features

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.**
- **High-Capacity And Long Life.**
- **2 or 10 Micron Aquabloc®II Media.**
- **Rated 98% Efficient At 10 Micron Per SAE Test Procedures.**
- **Metal Bowl Units For Inboard Powered Boats Meet 33 CFR And USCG Regulations.**
- **Meets ABYC Standard For Gasoline Powered Vessels.**
- **Effective On Ethanol Blended Fuels.**
- **Corrosion Resistant Construction.**



DISTRIBUTED BY:



***BOLLAND
MACHINE***

A DIVISION OF DIESEL ENGINE PARTS WAREHOUSE INC.

**Contact Us for Product Information
or to Place an Order**

Phone 724-846-1290

Fax 724-846-5253

Email *kevin@bollandmachine.com*

Address 2718 Darlington Road
Beaver Falls, PA 15010

www.bollandmachine.com