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Disposable Fuel Filter / Water Separator – SNAPP™ Series

Solutions
Part #: 23299-02
Where to Buy



Racor SNAPP First Fit, White Body and Stainless Steel Bracket, With Self Vent Drain, (2) 3/8" Straight Quick Connect Fittings, "2" Micron Rated

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1

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Technical Specifications

Media:	"2" Micron Rated (40 gph gasoline/26 gph diesel)	Depth:	4.09 in/10.30 cm, 4.1 inch, 104 cm
Product Series:	Disposable FF/WS, SNAPP™	Weight:	1.0 lb/.45 kg), 1 lb, 0.45 kg
Configuration:	White Body and Stainless Steel Bracket	Element Removal Clearance:	2.5 in/6.35 cm) inch
Bowl Type:	With Self Vent Drain	Connection Size:	3/8" Quick connect
Use Case:	First Fit	Includes:	(2) 3/8" Straight Quick Connect Fittings Fittings 2-Pack: RK23319: 3/8" Quick Connect Elbow Fitting RK23320: 5/16" Quick Connect Straight Fitting RK23321: 5/16" Quick Connect Elbow Fitting
Brand:	Racor	Optional Accessories:	3/8" Quick connect
For Fluid Type:	Gasoline/Diesel	Inlet Port Size:	3/8" Quick connect
Configuration:	First Fit	Materials of Construction:	Glass filled Nylon body, Nylon bowl, stainless steel bracket
Mounting Type:	Stainless Steel Bracket	Maximum Operating Temperature:	-20 to 150 °F, -29 to 66 °C
Bowl Type:	With Self Vent Drain	Compatible Element:	R23298-02
Media:	2 Micron Rated		
Height:	7.82 in/19.86 cm, 7.8 inch, 19.8 cm		
Flow Rate:	40 (gasoline)/26 (diesel) Gal/hour, 151 (gasoline)/98 (diesel) L/hour		
Width:	3.83 in/9.73 cm, 3.8 inch, 9.7 cm		

[Safety Warning](#)

Item Information

The SNAPP™ Series is a compact, disposable fuel filter water separator with premium filtration capabilities. Unlike conventional small engine filters, which use a spin-on element that requires a strap wrench to service, the SNAPP™ filter features a patented bracket system and quick-connect fittings that eliminate the need for seals or threads. This allows change-outs to be performed quickly, easily, and without the use of tools. The filter only requires 2-1/2 inches front clearance for servicing, making it suitable for installation wherever you need it.

The SNAPP™ filter housing's one-piece, high-impact nylon structure is coupled with a powder-coated or stainless steel (for marine use) mounting bracket to resist corrosion in all environments. The clear collection bowl allows for accurate inspection of fuel quality. A self-vent drain is also available for easy removal of collected water.

At the heart of the SNAPP™ fuel filter is Racor's proprietary Aquabloc® technology. Aquabloc® is a unique engineered media that incorporates pleat-spacing corrugations and a graduated pore structure to increase dirt-holding capacity and extend filter life. The media is waterproof and rustproof, capturing contaminants while the specially treated surface separates and coalesces water from the fuel, causing the water to gather into large droplets that then fall into the clear collection bowl.

Aquabloc® elements are available in three different ratings, including:

30 micron (98%@30 micron) – Ideally suited as a pre-filter to protect downstream filters from excessive contamination. Extends the life of on-engine filters. Flow up 26 gph (129 lph) in both gasoline and diesel using the SNAPP™ filter.

10 micron (98%@10 micron) - Captures more contaminants than 30 micron elements, and is more effective at stopping water. Extends the life of the entire fuel system. Flow up 34 gph (129 lph) in gasoline and 26 gph (98 lpm) diesel using the SNAPP™ filter.

"2" micron (98%@4 microns) – Provides maximum water removal and filtration and is capable of protecting all modern injection systems, while greatly extending the life of difficult-to-service on-engine filters. Flow up 40 gph (151 lph) in gasoline and 26 gph (98 lpm) in diesel using the SNAPP™ filter.

How it Works

The SNAPP™ filter can be installed in the fuel line between the tank and the engine. The filter "snaps" into its mounting bracket. The quick-connect fittings allow for fast connection to fuel lines. The inlet and outlet ports can be positioned as necessary by flipping the SNAPP™ filter in the bracket. Changing the filter can be done by squeezing the quick release fitting tabs, removing and priming the new filter (flow outlet of old to inlet of new), re-attaching fuel lines, and snapping the new filter into the bracket.

Markets:

- Agriculture
- Construction
- Power Generation
- Oil and Gas
- Marine

Applications:

- Diesel and Biodiesel Engines
- Gasoline Engines

Benefits:

- At just 4 inches wide with 2 to 2-1/2 inch bolt spacing, the SNAPP™ filter and bracket easily replaces existing filters and can be mounted anywhere you need it.





Parker fittings eliminate the need for tools, making filter change-outs quick, easy, and painless.

that enters the system through condensation in the fuel tank. Any water present in the fuel stream will support bacterial growth, which can cause clogged filters and result in the formation of corrosive acids. Susceptible components then rust and corrode, leading to erosion and wear of critical fuel system components.

- Removes hard particles present in air that are introduced during fueling, such as sand and silica.
- Saves time and money by eliminating unplanned maintenance and unscheduled downtime from system component failure.
- Suitable for use in both marine and non-marine applications

Features and Specifications:

- Designed for engines with a fuel flow rates up to 40 gph (151 lph) in gasoline and 26 gph (98 lph) in diesel
- Heavy-duty, corrosion-proof, high-impact nylon construction
- Corrosion-resistant, permanent stainless steel or powder-coated steel mounting bracket
- Universal bracket accommodates 2 to 2-1/2 inch bolt spacing
- Reusable straight quick connects for 3/8" hose included.

Services and Solutions:

- Patented Aquabloc® media comes in "2", 10 or 30 micron rating
- Collection bowl with self-venting drain (optional closed bowl)
- Compatible with E10 gasoline, diesel, biodiesel up to B20
- Rated up to 50 psi pressure spikes

CAD Drawings + Files

Related Documents

Related Products

Replacement Filter Elements – Racor Spin-on Series

Fuel Filter Water Separator – Racor Spin-on Series

Marine Fuel Filter Water Separator – Racor Spin-on Series

Marine Replacement Filter Elements – Racor Marine Spin-on Series

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