

700 Series

Fuel Filter/Water Separators
With Integrated Priming Pump



Customer Value Proposition:

The Racor 700 Series is equipped with state-of-the-art fuel pumps with DC motors. The 12V roller-cell fuel pump offers the benefit of an electric on-demand priming pump. In the 24V brushless version, the motor shaft directly drives the gerotor, creating a unique, positive displacement pump. The gerotor has fewer parts than gear or vane pumps, and the sensorless control technology of the DC motor make this product the most reliable filter and pump assembly on the market. The 24V pump assembly is ideal for tough on-engine applications. For off-engine mounting, the 12V pumps are a more economical alternative.



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Product Features:

- Aluminum filter head with integral mounting bracket and four ports (2 inlets and 2 outlets) with 7/8"-14 SAE O-ring threads.
- 100 micron prefilter screen.
- 12 volt or 24 volt electronic priming pump.
- Vent valve to purge air during fuel priming.
- Replaceable Aquabloc®II spin-on element.
- Reusable, see-thru collection bowl.
- Self-venting water/contaminant drain.
- Water-in-fuel (WIF) sensor/detection probe.



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Product Information and Specifications

Problem

- Filters are often installed in hard to reach places for re-priming.
- Air can get in fuel lines during element change-out or storage.
- Pre-filling filter can be messy.
- Distance between tank and filter can be inconvenient for hand priming.

Solution

Racor 700 Series Integrated Fuel Filter/Water Separator with a two stage filtration and re-priming system.

- Simplifies service
- No messy pre-filling
- Protects engine
- No lag in starting engine
- Fast and safe re-priming

How it works

The 700 Series pump/fuel filter water separator assemblies are two stage filtration and re-priming systems. These complete fuel management systems isolate contaminants present in diesel fuels and traps them prior to reaching the fuel injection system, protecting the engine's fuel system from costly and premature failure.



Specifications	745R30	760R30	790R30 ¹	7125R10 ¹ (10 micron)	7125R30 ¹ (30 Micron)
Maximum Flow Rate	45 gph / 170 lph	60 gph / 227 lph	90 gph / 341 lph	120 gph / 454 lph	
Replacement Element	R45P	R60P	R90P	R125T	R125P
Height	10.8 in / 25.7 cm	11.8 in / 28.4 cm	12.8 in / 31.2 cm	15.8 in / 40.1 cm	
Width	4.3 in / 11.0 cm	4.3 in / 11.0 cm	4.3 in / 11.0 cm	4.3 in / 11.0 cm	
Depth	6.5 in / 16.5 cm	6.5 in / 16.5 cm	6.5 in / 16.5 cm	6.5 in / 16.5 cm	
Weight (dry)	4.5 lbs / 2.0 kg	5.5 lbs / 2.5 kg	6.5 lbs / 3.0 kg	7.7 lbs / 3.5 kg	
Clean Pressure Drop	0.25 psi / 1.7 kPa	0.25 psi / 1.7 kPa	0.25 psi / 1.7 kPa	0.25 psi / 1.7 kPa	
Operating Temperature	-40° to +225°F (-40° to +107°C)				

¹ The 700 Series comes standard with a 12 volt brushed pump assembly. To order the 24 volt brushless pump assembly insert 24 at the end of the 790 or 7125 part numbers. (example: 790R3024)

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or to Place an Order**

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