

400 Series

Fuel Filter/Water Separators



400 Series fuel filter/water separators are designed to handle today's tough fuel filtration problems and can be used anywhere hand fuel priming is desired.

Filter replacement intervals depend on fuel type, fuel quality, the application, and operating conditions. All filters eventually clog with contaminants; tracking a fuel filter's restriction saves money and avoids problems.

Each 400 Series fuel filter/water separator comes standard with a fuel restriction indicator. The Indicator installs in place of the vent plug and allows for instant visual confirmation of filter health, even with the engine off. Changing a fuel filter before the Indicator reaches the red zone may avoid a costly roadside breakdown due to a clogged filter.



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Product Features:

- Hand (palm) operated fuel priming pump
- Proprietary, high-capacity, water-repelling Aquabloc®II filters available in 2, 10, and 30 micron
- 4-port die-cast aluminum head (two inlets, two outlets) and a unitized mounting bracket for installation convenience
- Reusable contaminant collection bowls with self-venting drain
- Optional 12 or 24 volt DC, 200 watt, in-bowl fuel heater, water detection kit - Danger! Not for use with gasoline applications.
- Includes a fuel restriction indicator for monitoring filter condition - *Note: Not for use with gasoline applications.*



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Product Information and Specifications



Specification	445R	460R	490R	4125R	4120R
Maximum Flow Rate	45 GPH (170 LPH)	60 GPH (227 LPH)	90 GPH (341 LPH)	120 GPH (454 LPH)	120 GPH (454 LPH)
Inlet/Outlet Port Size	3/8"-18 NPTF (SAE J476)	3/8"-18 NPTF (SAE J476)	3/8"-18 NPTF (SAE J476)	3/4"-16 SAE (SAE J1926)	3/4"-16 SAE (SAE J1926)
Replacement Elements	R45S - 2 micron R45T - 10 micron R45P - 30 micron	R60S - 2 micron R60T - 10 micron R60P - 30 micron	R90S - 2 micron R90T - 10 micron R90P - 30 micron	R125S - 2 micron R125T - 10 micron R125P - 30 micron	R120S - 2 micron R120T - 10 micron R120P - 30 micron
Minimum Service Clearance	2.0 in. (5.1 cm)	2.0 in. (5.1 cm)			
Depth	4.8 in. (12.1 cm)	4.8 in. (12.1 cm)			
Width	4.5 in. (11.4 cm)	4.5 in. (11.4 cm)			
Height	9.3 in. (23.6 cm)	11.0 in. (27.9 cm)	11.8 in. (30.0 cm)	14.5 in. (36.8 cm)	15.0 in. (38.1 cm)
Weight (Dry)	2.5 lb (1.1 kg)	2.7 lb (1.2 kg)	2.9 lb (1.3 kg)	3.9 lb (1.8 kg)	3.9 lb (1.8 kg)
Maximum Working Pressure	30 psi (2.07 bar)	30 psi (2.07 bar)	30 psi (2.07 bar)	15 PSI (1.03 bar)	15 PSI (1.03 bar)
Clean Pressure Drop	0.17 PSI (0.01 bar)	0.39 PSI (0.03 bar)	0.95 PSI (0.07 bar)	0.85 PSI (0.06 bar)	0.85 PSI (0.06 bar)

Racor's 400 series fuel filter water separators are specifically designed to handle today's tough diesel filtration problems. These units feature a standard in-head fuel priming pump and are different from one another only in flow capacity and element size.

These units should be used on the suction (vacuum) side of the fuel transfer pump. The die-cast aluminum mounting head features two outlets and two inlets for installation to most fuel systems. The fuel ports are 3/8"-18 NPTF (SAE J476) on 445R - 490R Assemblies, and 3/4"-16 UNF (SAE J1926) on the 4120R and 4125R Assemblies.

Each 400 Series fuel filter/water separator comes standard with a fuel restriction indicator. The indicator installs in place of the vent plug and allows for instant visual confirmation of filter health, even with the engine off.

Engines will benefit from near 100% water separation and fuel filtration with Racor's proprietary Aquabloc™ water repelling media. Replaceable spin-on filter elements are available in 2, 10 and 30 micron ratings. The reusable see-through contaminant collection bowl allows the operator to check contamination build-up at a glance.