

Transportation Filtration

GreenMAX™ Fuel Filter Water Separator
6600R10 for FedEx Delivery Van

Market Application Publication



The Challenge

Heaven Bound Truck & Auto needed a more cost effective solution to achieve optimum filtration and water separating capabilities. They were also looking for better alternatives to extend the life of the final stage on-engine filter.

Why Racor was Chosen as the Solution

GreenMAX's ease of service was a big feature in this case. Also, the high quality Aquabloc® filter media appealed to the needs of Heaven Bound Truck and Auto. The customer appreciated the fact that the GreenMAX traps 98% of particles at the 10 micron level, and has a water removal efficiency of 99%. On top of all that, the mounting design of the GreenMAX made the transition



Before



After

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to Racor filtration quick and easy. The customer is also aware of all the possible add-ons, such as the in-head and in-bowl heaters, water sensor, and the fuel filter change out indicator, which gives Heaven Bound Truck & Auto flexibility in meeting their client's needs.

Racor's Solution

Racor's solution was the GreenMAX fuel filter water separator, part number 6600R10. The GreenMAX filter was the ideal upgrade to the competitor filter installed.



ENGINEERING YOUR SUCCESS.



How the Solution Works

Diesel flows into the GreenMAX inlet ports from the fuel tank and passes through the Aquabloc cartridge element. Contaminants and free water are separated from the diesel fuel.

Clean dry diesel is then delivered to the engine. Know when to service the GreenMAX by installing an optional WIF sensor and restriction indicator.

The GreenMAX can easily be primed after service with the optional hand primer pump. (Also from Racor, air filtration on Fed Ex vehicles.)



GreenMAX Specifications

GreenMAX™ Fuel Filter/Water Separator	
Rated Flow Rate	150 GPH (568 LPH)
No. of Ports	Inlet Ports: 2, Outlet Ports: 2
Port Size	-10 SAE (7/8-14 UNF)
Hand Primer Pump	Optional
Micron Rating Available	2, 10, 30
Particulate Removal Efficiency (SAE J1985)	Min 98% (R61691T)
Water Removal Efficiency (SAE J1839)	Min 99% (R61691T)
Return Fuel Heat Valve (Thermostatically Controlled)	Optional: -8 SAE 45° Flare (3/4-16)
Electrical Heater 12 or 24 vdc	Optional (300W/200W)
Water Sensor	Optional (1/2-20 SAE port)
Vacuum (Maximum)	20" Hg
Ambient Temperature Range	-30° to +100° C
Maximum Fuel Temperature	85° C
Fuel Compatibility	Diesel fuel per ASTM D975 and Biodiesel blends up to B20 per ASTM D7467
Fuel Filter Change Indicator	Vacuum Gauge/Filter Minder/Vacuum Switch

GreenMAX Part Numbers

FIRST FIT	DESCRIPTION
4400R02	GreenMAX FF/WS, W/Hand Primer Pump, 2 Micron
4400R10	GreenMAX FF/WS, W/Hand Primer Pump, 10 Micron
4400R30	GreenMAX FF/WS, W/Hand Primer Pump, 30 Micron
4400R1202	GreenMAX FF/WS, 12VDC in bowl heater, W/Hand Primer Pump, 2 Micron
4400R1210	GreenMAX FF/WS, 12VDC in bowl heater, W/Hand Primer Pump, 10 Micron
4400R1230	GreenMAX FF/WS, 12VDC in bowl heater, W/Hand Primer Pump, 30 Micron
4400R2402	GreenMAX FF/WS, 24VDC in bowl heater, W/Hand Primer Pump, 2 Micron
4400R2410	GreenMAX FF/WS, 24VDC in bowl heater, W/Hand Primer Pump, 10 Micron
4400R2430	GreenMAX FF/WS, 24VDC in bowl heater, W/Hand Primer Pump, 30 Micron
4400R1210-01	GreenMAX FF/WS, W/Hand Primer Pump, 12VDC Bowl Heater, 10 Micron, Return Fuel Heat
4400R2410-01	GreenMAX FF/WS, W/Hand Primer Pump, 24VDC Bowl Heater, 10 Micron, Return Fuel Heat
6600R02	GreenMAX FF/WS, 2 Micron
6600R10	GreenMAX FF/WS, 10 Micron
6600R30	GreenMAX FF/WS, 30 Micron
6600R1202	GreenMAX FF/WS, 12VDC in bowl heater, 2 Micron
6600R1210	GreenMAX FF/WS, 12VDC in bowl heater, 10 Micron
6600R1230	GreenMAX FF/WS, 12VDC in bowl heater, 30 Micron
6600R2402	GreenMAX FF/WS, 24VDC in bowl heater, 2 Micron
6600R2410	GreenMAX FF/WS, 24VDC in bowl heater, 10 Micron
6600R2430	GreenMAX FF/WS, 24VDC in bowl heater, 30 Micron
6600R1210-01	GreenMAX FF/WS, 12VDC Bowl Heater, 10 Micron, Return Fuel Heat
6600R2410-01	GreenMAX FF/WS, 24VDC Bowl Heater, 10 Micron, Return Fuel Heat
SERVICE	DESCRIPTION
R61691S	Element Assembly, GreenMAX 2 Micron
R61691T	Element Assembly, GreenMAX 10 Micron
R61691P	Element Assembly, GreenMAX 30 Micron
RK6166301	Clear Bowl Kit, No Heater
RK6166312	Clear Bowl Kit, 12VDC Heater
RK6166324	Clear Bowl Kit, 24VDC Heater
RK6165804	Engine Return Fuel Heat Kit
RK61713	Fuel Port Plug Replacement Kit
PFRK61730	Bowl Wrench
RK 30876	Heater Connector Kit
RK2012601	WIF Plug Kit
RK22100	Fill Port Plug Kit (6600 Only)