

# 4400R10

GreenMAX™ Fuel Filter Water Separator  
On Freightliner Truck

## *Market Application Publication*



### **The Application**

4400R10 GreenMAX fuel filter water separator installed on a 2002 Freightliner truck with Detroit Series 60 Engine.

### **The Problem**

A LTL carrier located in Scottsbluff, NE., needed a filtration solution that would prevent cold fuel gelling and remove water during the cold, winter months in the Great Plains.

### **Solution**

GreenMAX 4400R10 fuel filter water separator.

- 10 micron
- High-capacity bowl with heater



## **Contact Information**

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### **Why Racor was chosen as the solution**

Racor is a known and respected name in OEM production with an outstanding reputation for quality fuel filtration products. The new and innovative GreenMAX fuel filter water separator is a heavy-duty, high-capacity fuel filter that is perfect for all weather conditions.

The 4400R10 GreenMAX fuel filter was chosen for its easy installation, in bowl heater, high flow rate and capacity, and water removal efficiency.



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## How the solution works

The GreenMAX Fuel Filter Water Separator features an in-bowl heater that is thermostatically controlled and self-regulating, automatically shutting down once target fuel temperature is achieved. An optional recirculating valve is also available, this innovative patented technology utilizes unused warm engine fuel returning to the tank to provide on-demand fuel heat transfer for cold weather operations. This cold weather feature melts the wax and paraffins that separate from diesel fuel at cold temperatures (cloud point) and restrict fuel flow during the filtration stage.

## 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
6600R02	GreenMAX FF/WS, 2 Micron
6600R10	GreenMAX FF/WS, 10 Micron
6600R30	GreenMAX FF/WS, 30 Micron
SERVICE	DESCRIPTION
R61691S	Element Assembly, GreenMAX 2 Micron
R61691T	Element Assembly, GreenMAX 10 Micron
R61691P	Element Assembly, GreenMAX 30 Micron
RK6165804	Engine Return Fuel Heat Kit

