

FC-20-1

Racor Fuel Recycler Cart



The Racor Fuel Recycler Cart is designed with the highest quality parts so you know it's reliable. This cart will polish, clean up, and recycle old or contaminated fuel. It can be used in preventative maintenance practices to keep fuel tanks clean, or as a servicing unit to clean up fuel tanks that have become contaminated with rain or sea water, dirt, rust, and microbial growth.

This portable unit processes fuel at 17 to 20 GPM (64 to 76 LPM) and 1" cam-lock fittings for easy connections. The all aluminum construction keeps it lighter for mobility purposes, while being durable and corrosion resistant for many years of operation. The Fuel Recycler Cart includes the FBO-14 fuel filter, which does not require any tools for filter changeouts and offers many replacement filter options for any application.

Use the Racor Fuel Recycler Cart with diesel fuel, jet fuels, mixtures of biodiesel, and other petroleum hydrocarbon fluids.



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Product Features:

- 17-20 GPM (64-76 LPM) flow rate
- 120 volt AC (15 amp)
- Easy operation
- Durable aluminum construction
- Versatile and portable
- Large back wheels with locking front casters
- 1" cam-lock connections for services hoses and probes
- Filtration with the Racor FBO-14-DPL filter
- Toolless filter changeout
- Viton® seals and gaskets
- Filter shows differential pressure for filter element changeout
- Site glass and drain valve to detect and remove water while in operation
- Bypass valve for fluid transfer only
- Dirt removal, water coalescing, and water absorption filtration
- Drip pans to capture dripping fluids and prevent environmental issues



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FC-20-1 Overview

Specifications	FC-20-1
Application	Marine backup power generation and other contaminated fuel tanks
Inlet/Outlet	1.0 in. (2.5 cm) Cam Lock
Replacement Filter	see FBO replacement filter chart
Flow Rate	17 to 20 GPM (64 to 76 LPM)
Power Requirements	115 vac 15 amp
Maximum Pressure Rating	150 PSI (10 bar)
Height	33.3 in. (84.6 cm)
Width	23.7 in. (60.2 cm)
Length	26.0 in. (66.0 cm)
Weight (dry)	95 lbs (43 kg)
Max. Fuel Operating Temperature	100° F (38° C)



Accessories

Specifications	FC-20-A1	FC-20-A2	FC-20-A3
Hose (25 foot)	•		
Probe (4 foot)		•	
Power Cord (25 foot)			•

FBO Replacement Filters

Water Separator

Water separator filters remove water and contaminants from hydrocarbon fuel streams and are the most popular filters.

Silicone Treated

Silicone treated fuel filters remove particle contaminants down to one micron. Silicone filters can also be used upstream, before a fuel filter/water separator, to extend filter life.

Water Absorber

Water absorber filters absorb water and filter out contaminants from diesel fuel and other hydrocarbon streams.

FBO	Micron Rating	Water Separator	Silicone Treated	Water Absorber
<p>FBO-14 (6 X 14 Filter)</p>	1	FBO 60336	FBO 60339	FBO 60342
	5	FBO 60337	FBO 60340	FBO 60343
	10	FBO 60356	FBO 60357	FBO 60358
	25	FBO 60338	FBO 60341	FBO 60344

Full Service Program

Many fuel tanks that are not used regularly or are in extreme conditions have water that accumulates in them and as a result, foster microbiological growth (bugs) and have a build up of contamination and sludge/varnish. For a full service diesel application approach, the Racor Fuel Recycler can be used with high quality Racor diesel fuel additives

to more completely serve the end customer. Systems that are prone to have fuel tank contamination issues are applications that are located in high humidity areas, dirty and dusty conditions, and/or where fuel is allowed to sit unused for long periods of time. Some examples of applications needing this service include the marine, construction, agricultural, oil/gas

exploration industries and backup/remote power generators. In these situations, it is necessary to rid the fuel tank of the water, dirt, rust, and microbial growth. Prior to recycling the fuel and cleaning the tank, treatment of the fuel tank with Racor Biocide will kill the microbial growth for easier clean up and prevent their return in the future.

Diesel Biocide

Diesel Biocide is a multi-functional petroleum additive that is used to help maintain color stability and clarity. It can be used to eliminate and/or prevent the growth of

bacteria, fungi, organic reactions, sludge formation, and also acts as a corrosion inhibitor.



Part Number	Container Size	Treats
ADT 2116	16 ounces	1,280 gallons
ADT 2201	1 gallon	10,240 gallons
ADT 2405	5 gallon	51,200 gallons
ADT 2555	55 gallon drum	563,200 gallons

After the tank is cleaned, it is important to condition the fuel for stability and provide detergency to clean fuel lines and injectors when

the engine is next used. Racor Diesel Conditioner Plus + is highly recommended for this. It will help keep equipment running in top condition,

efficiency, and performance, long after the tank cleaning service has been completed.

Diesel Conditioner Plus+

Diesel Conditioner Plus+ is a multi-functional fuel additive for all seasons. Its formulation contains a superior detergent rating and a

cetane improver which enhances power delivery, starting, and helps engines run smoother and quieter.



Part Number	Container Size	Treats
ADT 1116	16 ounces	320 gallons
ADT 1201	1 gallon	2,560 gallons
ADT 1555	55 gallon drum	140,800 gallons

Winter Conditioner Plus+

For winter operational issues, use Racor Diesel Winter Plus to prevent fuel gelling and maintain cold weather performance. For more information on Racor branded fuel

additives, see brochure #7518. For information on higher flow filtration needs, see Racor Hydrocarbon brochure #7537.



Part Number	Container Size	Treats
ADT 4116	16 ounces	128 gallons
ADT 4201	1 gallons	1,024 gallons
ADT 4555	55 gallon drum	563,200 gallons

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