

FC-20-1

Racor Fuel Polishing Cart



The Racor heavy duty Fuel Polishing Cart processes fuel up to a skull blistering 20 GPM (76 LPM) and has 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 Polishing 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.

This portable unit is a cost effective way to filter diesel, jet fuels, mixtures of biodiesel, and other petroleum hydrocarbon fluids in storage or transport. This filter cart polishes, cleans up, and recycles old or contaminated fuel. It can also 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, sea water, dirt, rust, and microbial growth.

For more information on Racor high flow fuel filtration solutions, see brochures 7537 and 7648.



Contact Information

Parker Hannifin Corporation
Racor Division
P.O. Box 3208
3400 Finch Road
Modesto, CA 95353

Product Features

- Up to 20 GPM (76 LPM) flow rate
- 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
- Bypass valve for filter element changeout while in operation or for fluid transfer only
- Dirt removal, water coalescing, and water absorption filtration
- Drip pans to capture dripping fluids and prevent environmental issues

Viton® is a registered trademark of DuPont™



ENGINEERING YOUR SUCCESS.



Racor Fuel Polishing Cart

| Specifications | FC-20-1-120V |
|---------------------------------|---|
| Application | power generation, fuel transfer, and fuel storage |
| Inlet/Outlet Connections | 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) |

FC-20-1-120V-KIT Fuel Polisher Cart complete with two 25 foot hoses, two 4 foot probes, and one 25 foot power cord.



Accessories

| Specifications | FC-20-A1 | FC-20-A2 | FC-20-A3 |
|---|----------|----------|----------|
| 25 Foot Heavy Duty Non-Kink Hose (2 needed) | ● | | |
| 4 Foot Service Probe (2 needed) | | ● | |
| 25 Foot Heavy Duty Power Cord | | | ● |

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 may have water that accumulates in them. As a result, microbiological growth (algae and bacteria) may build up contaminating the fuel. For a full service diesel application approach, the Racor Fuel Polisher Cart can be used with high quality Racor diesel fuel additives to more completely

serve the customer. Systems prone to fuel tank contamination are applications located in high humidity areas, dirty and dusty conditions, and/or where fuel is allowed to sit for long periods of time. Examples of applications needing this service include 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.

Step 1. 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 |

Step 2. 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 |