

# Portable Fuel Filtration Carts - Racor | #800D14CE230V

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Racor Portable Fuel Filtration Carts are high-efficiency mobile filtration systems that clean fuel by removing water and contaminants that make their way into tanks during handling, transfer, and storage.

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## Technical Specifications

**Flow Rate:**

13 gpm

**Design Factor:**

FBO assembly on Trolley

**Accessories Included:**

n/a

**Product Series:**

Clean Diesel, Portable

**Brand:**

Racor

**For Fluid Type:**

Hydrocarbon Fuels

**Filter Element Type:**

FBO 60356 included, FBO 60337 included, Water Separator

**Micron Rating:**

10, 5 µm

**Compatible Element:**

FBO 60356 or FBO 60337 (depending on part selected) or other FBO element type depending on application needs

**Flow Rate:**

64 to 76 or 37.5 depending on part selected L/min

**Maximum Pressure Differential:**

Clean DP=2.5 psid. Change DP=30 psid psi

**Inlet Port Size:**

1" cam-lock or 3/4" quick disconnects depending on part selected

**Outlet Port Type:**

1" cam-lock or 3/4" quick disconnects depending on part selected

**Input Power:**

115 VAC @ 15 A

**Input Supply Voltage:**

115 VAC @ 15 A

**Maximum Operating Pressure:**

1034 kPa, 150 psi

**Height:**

33.3 or 42.6 depending on product selected inch, 84.6 or 108 depending on product selected cm

**Width:**

23.7 or 30 depending on product selected inch, 60.2 or 76 depending on product selected cm

**Length:**

26 or 28 depending on product selected inch, 66 or 71 depending on product selected cm

**Maximum Fluid Temperature:**

100 °F, 38 °C

## Item Information

No matter how carefully gasoline and diesel are refined and handled, contaminants will find their way into fuel during transfer and storage. Water is an engine's primary enemy and can condense directly from air during normal day/night heating and cooling cycles. The presence of water facilitates microbial growth, which leads to fouling, increased corrosion, and damage to fuel system components. Additionally, rust particles and chips from corroding tanks and piping, as well as air-blown silica and dirt, can lead to clogged filters, reduced combustion efficiency, and even engine failure.

Racor Filter Carts are portable field service maintenance tools that help to ensure the performance and reliability of modern diesel and combustion engines by removing water and contaminants that often make their way into fuel during handling, transfer, and storage. The carts serve as an invaluable preventative maintenance tool and are ideal for use with generator sets that have integrated base tanks or day tanks, where fuel has been stored long-term and may have degraded from water and particulate contamination.

Racor offers two models of portable fuel filtration carts:

**FC-10-01 CLEANDiesel Filter Caddy** – The FC-10-01 is used to clean fuel that has been stored in small fuel tanks for extended periods of time. Typical applications are generator base tanks, generator day tanks, and small bulk storage tanks up to 2,000 gallons. Racor Filter Caddys are fully portable and self-contained. They include the FBO-14 fuel filter, which does not require any tools for filter change-outs and offers replacement filter options for various applications. The carts can easily be moved at the jobsite by one person. They include a 10 gpm (37.9 lpm) pump and filter system built into a wheeled enclosure. The system utilizes a 40-mesh strainer and 5-micron water coalescing filter, along with a control panel featuring water detection, filter gauge, and alarm.

**FC-20-1-120V and FC-20-1-120V-KIT Heavy-Duty Fuel Polishing Cart** – FC-20-1 Fuel Polishing carts can process fuel at up to 20 gpm (76 lpm). The carts come equipped with 1-inch cam-lock fittings, which allow for for easy connection. They also feature an open-frame aluminum design, which affords them a unique combination of mobility, durability, and corrosion resistance. Like the FC-10-01, the FC-20-1-120V cart includes an FBO-14 fuel filter, which does not require any tools for filter change-outs and offers replacement filter options for a wide range of applications. The unit serves as a highly cost-effective way to filter diesel, mixtures of biodiesel, and other petroleum hydrocarbon fluids in storage or transport.

**Markets:**

- Agriculture
- Construction
- Power Generation
- Oil and Gas
- Marine

**Applications:**

- Diesel and Biodiesel
- Kerosene
- Gasoline
- Heating Oil

**Benefits:**

- Removes free water that often collects in fuel tanks and drums. Free water formation occurs when humid air inside a container or tank cools to the point that water condenses out of the air.
- Removes hard particles (e.g., sand and silica) present in air that are introduced during transfer and distribution.

Features:

FC-10-01 CLEAN Diesel Filter Caddy

- Portable enclosure, aluminum construction, painted safety-yellow
- Equipped with wheels, feet and handle
- Top control panel with protective cover and storage bin for hoses and wands
- 10 foot supply and return hoses along with 3 foot wands
- ¾-inch inlet and outlet ball valves and quick-disconnect couplings
- 10 gpm, ½ hp 120V cast iron gear pump
- Motor control relay and run/stop pushbuttons
- 18-inch cord with plug, 120V, 15A
- 40-mesh basket strainer with vacuum gauge
- Racor FBO 5-micron water coalescing separator with collection sump and water detection sensor
- 6 gallon holding tank with float switch
- Neon indicators: power-on, holding tank full, and water collection full

FC-20-1-120V and FC-20-1-120V-KIT heavy duty Fuel Polishing Carts

- Up to 20 gpm (76 lpm) flow rate
- Durable aluminum frame construction with drip pan
- Large back wheels with locking front casters
- 1-inch cam-lock connections for service hoses and probes
- Racor FBO 10-micron water coalescing separator
- Filter mounted gauge shows differential pressure for filter element change-out indication
- Sight glass and drain valve to see and remove collected water
- Bypass valve for filter element change-out while in operation or for fluid transfer only
- FC-20-1-120V-KIT: comes complete with two 25-foot hoses, two 4-foot probes, and one 25-foot power cord (FC-20-1-120V: Order hoses, probes, power cord separately)

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## CAD Drawings + Files

No CAD files available



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