

# FUEL PRO® 483

## PRODUCT DATA SHEET

**DAVCO FUEL PRO 483** is an all-in-one fuel filter, water separator, and fuel pre-heater for heavy duty on-highway diesel engines with flow rates up to 180 gallons per hour.

The Fuel Pro 483 with an optional pre-heater, overnight heater and water-in-fuel sensor will keep the engine running in any weather conditions.

Order with coolant heat connections and thermovealve to keep fuel at a constant temperature.

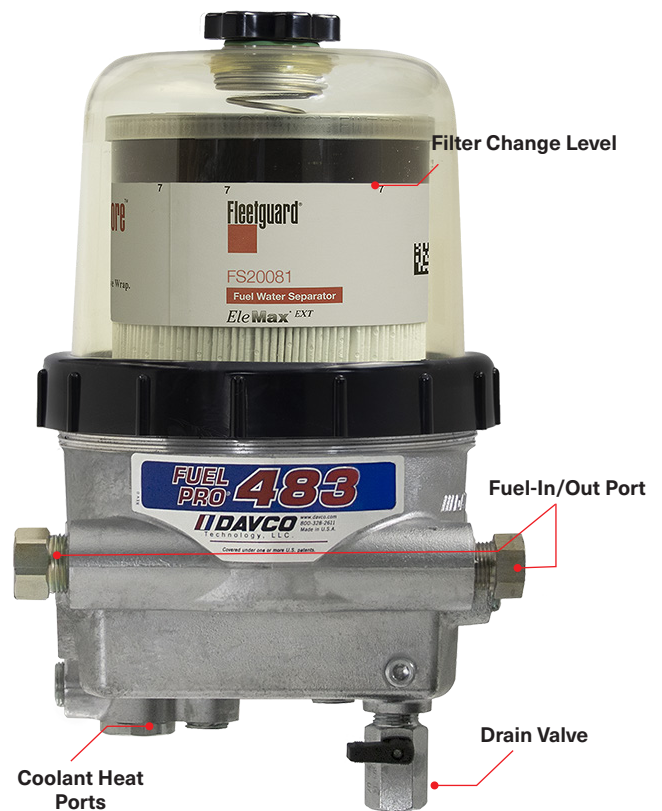
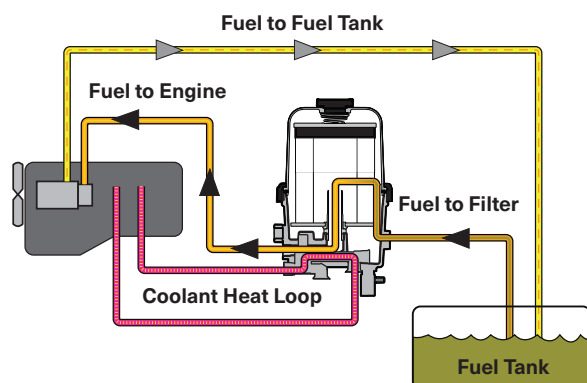
### Applications

- On/Off Highway heavy duty diesel (engines except DD13-15-16 engines) with flow rates up to 180 gph

### Models and Options

- Base Model - Unheated
- Electric Heat
  - 12VDC or 24VDC Pre-heater
  - 120VAC Overnight heater
- Water-In-Fuel (WIF) sensor
- Coolant Heat with Thermovealve

### Typical Installation with Coolant Heat



### How it Works

- Fuel from the tank enters the fuel processor body.
- Large contaminants and “free” water are separated and remain in the body.
- Fuel rises into the clear cover area.
- Contaminants and emulsified water are captured by the filter media.
- Fuel level rises to maintain a fuel path through clean filter media (path of least resistance).
- Clean, water free, fuel exits the fuel processor to the engine fuel injection system.



A **Clariance Technologies** Company

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## Specifications

Height, Overall, Unheated Model	14.28 in. (362.7 mm)
Depth, Overall	9.85 in. (250 mm)
Width, Maximum	8.34 in. (211 mm)
Weight, Dry	Approx. 11 lbs
Minimum Service Height	3.5 in. (88.9 mm)
Max Fuel Flow	180 gph
Pre-heater	12VDC (155W or 195W) or 24VDC (195W)
Overnight heater	120VAC, 75W, .65A

## Filtration Performance (7 micron at 100 GPH)

Coarse water removal (%)	>99%
% Emulsified water removal (%)	>98.7%
Dirt holding capacity (grams)	157

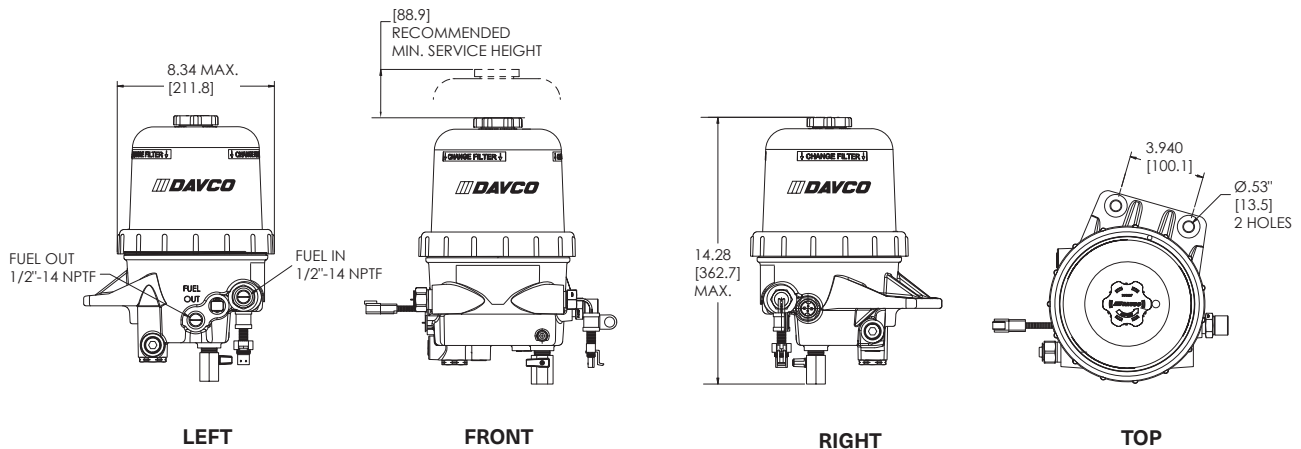
## Port Interface

Fuel In	½"-14 NPTF
Fuel Out	½"-14 NPTF
Coolant Connections	½"-14 NPTF

## Dimensions

Dimensions are in inches [millimeters]

Mounting Hole Distance: 3.940 [100.1]  
Mounting Hole Openings: .53 [13.05]



## “SEEING IS BELIEVING”®



**When new, the fuel level in the filter will be very low with minimal restriction.** As the filter is used, contaminants collect on the filter from the bottom up. Fuel rises on the filter indicating remaining filter life.



**Fuel level increases in clear cover.** As contaminants collect on the filter, the fuel rises to a non-contaminated section of the filter, providing optimal filtration while maintaining lowest restriction.



**Fuel level at filter wrap level.** Even though the fuel level is now more than half of the filter element, the fuel is still flowing through clean media at minimal restriction levels. The filter still has significant life remaining.



**The filter element is now completely covered by fuel.** At this point, all of the media's surface area is utilized. Restriction is increasing and the filter element should be changed at the next scheduled maintenance interval.

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