



# Why Pre-filtration?

Because of the difficulties of maintaining a clean supply of diesel at all times, more consideration should be applied to upstream sources of contamination as well as at the engine. Filtering recirculation systems can be applied to storage and onboard systems, along with high efficiency filters at the dispensing pump. Careful monitoring of fuel quality and filter performance is needed to protect sensitive diesel engine injection systems.

For example, the fuel used on a highway construction project may have travelled the following route:  
**Refinery - piped to storage - tanker to distribution center - tanker to local retailer - tanker to on-site storage.**

## Dispensing Filtration: FBO Series

Parker Racor's FBO assemblies are specifically designed to meet filtration requirements of today's high-pressure common-rail diesel injection systems.

Common applications include: mobile refuelers, refueling cabinets, fuel dispensing pumps, large diesel engines, bulk fuel handling, and fuel transfer.

### Filter Options

FBO filter systems have three filter options to meet various requirements: Particulate filter, coalescer/separator filter, or water absorber filter. For fuel dispensing applications, a coalescer/separator filter is recommended.

### Product Features

- Die-Cast Aluminum Head
- Steel Bowl Assembly
- Powder Coated Components
- Locking Ring Collar
- 1.5" NPT Inlet and Outlet Ports
- Maximum Pressure: 150 PSI (10 bar) and Maximum Temperature 160°F (71°C)
- Lockable Manual Drain Valve: 1/2" NPT (part# 73225-.5)
- Grounding Lug
- Manual Vent Valve

### Technical Information

Specifications	Maximum Flow Rates	Clean	Change
FBO-10	Diesel	Delta P	Delta P
Particulate Filter	25 GPM (94.6 LPM)	2.5 PSID	15 PSID
Water Separator	20 GPM (75.7 LPM)	2.5 PSID	15 PSID
Water Absorber	20 GPM (75.7 LPM)	2.5 PSID	30 PSID
FBO-14	Diesel	Delta P	Delta P
Particulate Filter	30 GPM (113.6 LPM)	2.5 PSID	15 PSID
Water Separator	25 GPM (94.6 LPM)	2.5 PSID	15 PSID
Water Absorber	25 GPM (94.6 LPM)	2.5 PSID	30 PSID

# How to Order

Guide to help you specify the right FBO system with the accessories you need.

## F B O - 1 0 - D P

Flow Rates

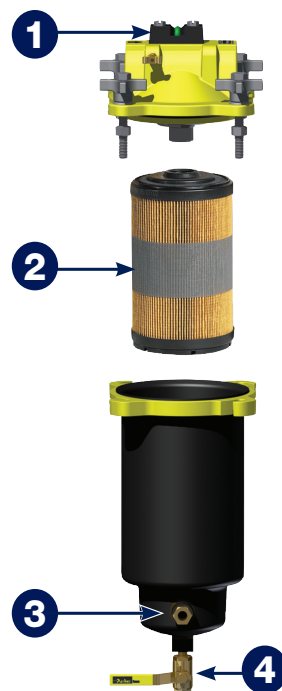
10 = 5-25 GPM (19-95 LPM)

14 = 10-30 GPM (38-114 LPM)

DP = Differential Gauge

DPL = Delta-P Gauge with  
Liquid Sight Glass

MA = Marine Assembly



**\*\*Popular Option**

	1	2	3	4
	Delta-P Gauge	Filter	Sight Glass	Drain Valve
FBO-10		Order Separately (see below)		•
FBO-10-DP	•	Order Separately (see below)		•
<b>FBO-10-DPL**</b>	•	Order Separately (see below)	•	•
FBO-14		Order Separately (see below)		•
FBO-14-DP	•	Order Separately (see below)		•
<b>FBO-14-DPL**</b>	•	Order Separately (see below)	•	•
FBO-10-25M	•	FBO 60332	•	•
FBO-14-25M	•	FBO 60341	•	•

# Replacement Filters

FBO	Micron Rating	Coalescer/ Separator	Particulate	Water Absorber
FBO-10 (6 X 10 Filter)	1	FBO 60327	FBO 60330	FBO 60333
	5	FBO 60328	FBO 60331	FBO 60334
	10	FBO 60353	FBO 60354	FBO 60355
	25	FBO 60329	FBO 60332	FBO 60335
FBO-14 (6 X 14 Filter)	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

## Coalescer/Separator

Coalescer/separator filters are a two stage element that removes water and contaminants from diesel fuel streams and are the most popular filters.

## Particulate Filter

Particulate filters remove contaminants down to one micron. Particulate filters can also be used upstream, before a water separator filter, to extend filter life.

## Water Absorber

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

