Fuel Dispensing
and Transfer Filtration

For Clean Diesel Applications
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

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Maximum Flow Rates</th>
<th>Clean</th>
<th>Change</th>
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<tr>
<td>FBO-10</td>
<td>Diesel</td>
<td>Delta P</td>
<td>Delta P</td>
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<tr>
<td>Particulate Filter</td>
<td>25 GPM (94.6 LPM)</td>
<td>2.5 PSID</td>
<td>15 PSID</td>
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<td>Water Separator</td>
<td>20 GPM (75.7 LPM)</td>
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<td>Water Absorber</td>
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<td>FBO-14</td>
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How to Order

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

**Popular Option**

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<th>Delta-P Gauge</th>
<th>Filter</th>
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Replacement Filters

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<th>Coalescer/Separator</th>
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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.
Worldwide Filtration Manufacturing Locations

North America

**Compressed Air Treatment**

Gas Separation & Filtration Division
Airtek/Finite/domnick hunter/Zander
Lancaster, NY
716 686 6400
www.parker.com/faf

Balston
Haverhill, MA
978 858 0505
www.parker.com/balston

**Engine Filtration**

Racor
Modesto, CA
209 521 7860
www.parker.com/racor

Holly Springs, MS
662 252 2656
www.parker.com/racor

**Hydraulic Filtration**

Hydraulic & Fuel Filtration
Metamora, OH
419 644 4311
www.parker.com/hydraulicfilter

Laval, QC Canada
450 629 9594
www.parkerfarr.com

Velcon
Colorado Springs, CO
719 531 5855
www.velcon.com

**Process Filtration**

domnick hunter Process Filtration
SciLog
Oxnard, CA
805 604 3400
www.parker.com/processfiltration

**Water Purification**

Village Marine, Sea Recovery, Horizon Reverse Osmosis
Carson, CA
310 637 3400
www.parker.com/watermakers

Europe

**Compressed Air Treatment**

domnick hunter Filtration & Separation
Gateshead, England
+44 (0) 191 402 9000
www.parker.com/dhfns

Parker Gas Separations
Etten-Leur, Netherlands
+31 76 508 5300
www.parker.com/dhfns

Hiross Zander
Essen, Germany
+49 2054 9340
www.parker.com/hzfd

Padova, Italy
+39 049 9712 111
www.parker.com/hzfd

**Engine Filtration & Water Purification**

Racor
Dewsbury, England
+44 (0) 1924 487 000
www.parker.com/rfde

Racor Research & Development
Stuttgart, Germany
+49 (0)711 7071 290-10

**Hydraulic Filtration**

Hydraulic Filter
Arnhem, Holland
+31 26 3760376
www.parker.com/hfde

Urajala, Finland
+358 20 753 2500

**Condition Monitoring**

Parker Kittiwake
West Sussex, England
+44 (0) 1903 731 470
www.kittiwake.com

**Process Filtration**

domnick hunter Process Filtration
Parker Twin Filter BV
Birtley, England
+44 (0) 191 410 5121
www.parker.com/processfiltration

Asia Pacific

**Australia**

Castle Hill, Australia
+61 2 9634 7777
www.parker.com/australia

**China**

Shanghai, China
+86 21 5031 2525
www.parker.com/china

**India**

Chennai, India
+91 22 4391 0700
www.parker.com/india

**Parker Fowler**

Bangalore, India
+91 80 2783 6794
www.johnfowlerindia.com

**Japan**

Tokyo, Japan
+81 45 870 1522
www.parker.com/japan

**Korea**

Hwaseon-City
+82 31 359 0782
www.parker.com/korea

**Singapore**

Jurong Town, Singapore
+65 6887 6300
www.parker.com/singapore

**Thailand**

Bangkok, Thailand
+66 2186 7000
www.parker.com/thailand

**Latin America**

Parker Comercio Ltda.
Filtration Division
Sao Paulo, Brazil
+55 11 4009 3500
www.parker.com/br

**Pan American Division**

Miami, FL
305 470 8800
www.parker.com/panam

**Africa**

Aeroport Kempton Park, South Africa
+27 11 9610700
www.parker.com/africa

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WARNING: The products described in this catalog can expose you to chemicals including Diisononyl phthalate, Carbon black, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.