

Oil & Gas Market

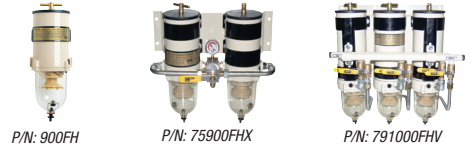
Industrial - Filtration Solutions

Parker Racor has filtration systems to meet the demanding requirements for the Oil & Gas market. We offer innovative Fuel, Oil, and Air products to meet your filtration needs.



Turbine Series Fuel Filters

The Turbine Series Fuel Filters provide the most complete, efficient, and reliable protection you can install. Duplex units offer a clean filter in reserve; a simple turn of a valve puts a clean filter back on-line. Paired with Racor's Aquabloc® media, for complete protection.



Model	500FG	900FH	1000FH	75500FGX	75900FHX	731000FH	751000FHX	771000FH	791000FHV
Max. Flow Rate (One filter on-line) (Two filters on-line) (Three filters on-line)	60 GPH (227 LPH) N/A N/A	90 GPH (341 LPH) N/A N/A	180 GPH (681 LPH) N/A N/A	60 GPH (227 LPH) 120 GPH (454 LPH) N/A	90 GPH (341 LPH) 180 GPH (681 LPH) N/A	N/A 360 GPH (1363 LPH) N/A	180 GPH (681 LPH) 360 GPH (1363 LPH) N/A	N/A 540 GPH (2044 LPH)	80 GPH (681 LPH) 360 GPH (1363 LPH) 540 GPH (2044 LPH)
Height	11.5 in. (29.2 cm)	17.0 in. (43.2 cm)	22.0 in. (55.9 cm)	11.5 in. (29.2 cm)	17.0 in. (43.2 cm)	22.0 in. (55.9 cm)	22.0 in. (55.9 cm)	22.0 in. (55.9 cm)	22.0 in. (55.9 cm)
Width	5.8 in. (14.7 cm)	6.0 in. (15.2 cm)	6.0 in. (15.2 cm)	14.5 in. (36.8 cm)	18.8 in. (47.8 cm)	16.5 in. (41.9 cm)	18.0 in. (45.7 cm)	18.0 in. (45.7 cm)	21.5 in. (54.6 cm)
Depth	4.8 in. (12.2 cm)	7.0 in. (17.8 cm)	7.0 in. (17.8 cm)	9.5 in. (24.1 cm)	11.0 in. (27.9 cm)	12.0 in. (30.5 cm)	11.0 in. (27.9 cm)	11.0 in. (27.9 cm)	11.8 in. (30.0 cm)
Weight (approx.)	4 lbs (1.8 kg)	6 lbs (2.7 kg)	17 lbs (7.7 kg)	17 lbs (7.7 kg)	23 lbs (10.4 kg)	26 lbs (11.8 kg)	30 lbs (13.6 kg)	39 lbs (17.7 kg)	52 lbs (23.6 kg)
Port Size (metric optional) †	3/4"-16 SAE 16 mm x 1.5	7/8"-14 SAE 22 mm x 1.5	7/8"-14 SAE 22 mm x 1.5	3/4"-16 SAE N/A	7/8"-14 SAE N/A	3/4"-14 NPT	7/8"-14 SAE	1"-11.5 NPT	3/4"-14 NPT
Clean Pres. Drop	0.3 PSI (0.02 bar)	0.34 PSI (0.02 bar)	0.49 PSI (0.03 bar)	0.70 PSI (0.05 bar)	1.7 PSI (0.12 bar)	1.7 PSI (0.12 bar)	3.7 PSI (0.26 bar)	1.7 PSI (0.12 bar)	2.5 PSI (0.17 bar)
Replacement Filter	2010 Series	2040 Series	2020 Series	2010 Series	2040 Series	2020 Series	2020 Series	2020 Series	2020 Series
Overhead Clearance	4.0 in. (10.2 cm)	5.0 in. (12.7 cm)	10.0 in. (25.4 cm)	4.0 in. (10.2 cm)	5.0 in. (12.7 cm)	10.0 in. (25.4 cm)	10.0 in. (25.4 cm)	10.0 in. (25.4 cm)	10.0 in. (25.4 cm)

Notes:
 Maximum Operating Pressure: 15 PSI (1.03 bar). Vacuum installations are recommended.
 Ambient Temperature Range: -40° to +255°F (-40° to +124°C)
 Maximum Fuel Temperature: 190°F (88°C)
 † Use (*) for metric port threads, i.e. *500FG, *900FH, and *1000FH.

FBO Fuel Dispensing Filters

Racor's FBO filter assemblies are designed to meet tough refueling conditions and provide ease of service. FBO features a locking ring collar, which attaches the filter housing to the aluminum die-cast filter head with four bolts. The closure hardware allows maintenance personnel to easily change out the filter cartridge.

Specifications	FBO-10-MA	FBO-14-MA
Fuel Ports	1 1/2" NPT	1 1/2" NPT
Max. Working pressure	150 PSI @ 240°F (10.3 bar @ 115°C)	
Clean Pressure Drop	1 PSI (0.07 bar)	1 PSI (0.07 bar)
Height	18.8 in. (47.8 cm)	22.6 in. (57.4 cm)
Width	8.6 in. (21.8 cm)	8.6 in. (21.8 cm)
Depth	8.6 in. (21.8 cm)	8.6 in. (21.8 cm)
Weight (approx.)	13 lbs (5.9 kg)	16 lbs (7.3 kg)
Service Clearance	12.0 in. (30.5 cm)	16.0 in. (40.6 cm)
Ambient Temp Range	-40° to +255°F (-40° to +124°C)	
Max Fuel Temperature	190°F (88°C)	
Water Separator Replacement Elements		
1 Micron Rating	FBO 60327	FBO 60336
5 Micron Rating	FBO 60328	FBO 60337
10 Micron Rating	FBO 60353	FBO 60356
25 Micron Rating	FBO 60329	FBO 60338



Fuel Polishing Carts

Racor's heavy-duty fuel polishing carts are a cost effective way to filter diesel, mixtures of biodiesel, and other petroleum hydrocarbon fluids in storage or transport. The filter carts polish, clean up, and recycle old or contaminated fuel.

Specifications	FC-30-110V	FC-20-1-120V
Flow Rate	10.5 GPM (39.7 LPM)	17 to 20 GPM (64 to 76 LPM)
Power Requirements	3.4A / 110V / 60 Hz, 2A / 220V / 50 Hz	115 vac 15 amp
Height	50.5 in (128.2 cm)	33.3 in (84.6 cm)
Width	21.5 in (54.6 cm)	23.7 in (60.2 cm)
Length	22.9 in (58.1 cm)	26.0 in (66.0 cm)
Weight (dry)	105 lbs (47.6 kg)	95 lbs (43 kg)
Max. Fuel Operating Temperature	100° F (38° C)	100°F (38°C)
Replacement Filter	See FBO Replacement Elements for FBO-10	See FBO Replacement Elements for FBO-14



RFVS Fuel Dispensing Filtration

The RVFS Series filter vessels offer an unparalleled high efficiency, versatile, economical and low maintenance solution for fuel delivery and Oil and Gas filtration applications.

Specifications	RVFS-1	RVFS-2	RVFS-3
Maximum Flow Rate (diesel)	25 GPM (94 LPM)	50 GPM (189 LPM)	75 GPM (283 LPM)
Clean Pressure Drop	2 PSID (0.14 bar)	2 PSID (0.14 bar)	2 PSID (0.14 bar)
Pressure Drop/Filter Change-out	15 PSID (1.0 bar)	15 PSID (1.0 bar)	15 PSID (1.0 bar)
Height	35.3 in. (89.7 cm)	49.8 in. (126.5 cm)	63.8 in. (162.1 cm)
Width	13.5 in. (34.3 cm)	13.5 in. (34.3 cm)	13.5 in. (34.3 cm)
Depth	13.2 in. (33.5 cm)	13.2 in. (33.5 cm)	13.2 in. (33.5 cm)
Dry Weight	100 lbs. (45 kgs)	115 lbs. (52 kgs)	130 lbs. (59 kgs)
Overhead Service Clearance	16.0 in. (40.6 cm)	32.0 in. (81.3 cm)	47.0 in. (119.4 cm)

- Inlet and Outlet Ports: 2.0 in. NPT
- Vent and Relief Ports: 3/4 in. NPT
- Water Level Gauge Ports: 1/2 in. NPT
- Differential Gauge Ports: 1/8 in. NPT
- Pressure and Temperature: 250 PSI @ 250°F (17 bar @ 121°C)
- ASME Code Stamped: Yes



P/N: RVFS-2

REPLACEMENT FILTERS

RVFS-1**	Micron	Description
HOCP-15810	10	Coalescer
HSP-15410	10	Separator
HOCP-15825	25	Coalescer

RVFS-2**	Micron	Description
HOCP-30805	5	Coalescer
HSP-30405	5	Separator
HSP-30410	10	Separator

RVFS-3**	Micron	Description
HOCP-44810	10	Coalescer
HSP-44410	10	Separator
HOCP-44825	25	Coalescer

Crankcase Ventilation System

In a robust, compact package, the Racor Closed Crankcase Ventilation (CCV) Filter System provides superior oil coalescence and crankcase pressure control under the most severe conditions.

Specifications	CCV4500	CCV6000	CCV8000	CCV12000
Maximum Flow Rate	10 CFM (283 LM)	20 CFM (566 LM)	40 CFM (1133 LM)	50 CFM (1416 LM)
Maximum Engine Rating	400 HP (298 KW)	800 HP (597 KW)	1600 HP (1193 KW)	2000 HP (1491 KW)
Inlet/Outlet Port Size	1 3/16"-12 STOR	1 5/8"-12 STOR	1 7/8"-12 STOR	1 7/8"-12 STOR
Weight	3.3 lbs (1.5 kg)	5.0 lbs (2.3 kg)	8.7 lbs (3.9 kg)	9.3 lbs (4.2 kg)
Swivel Fitting (Qty.)	#6 JIC (2 pcs.)	#6 JIC (2 pcs.)	#8 JIC (2 pcs.)	#8 JIC (2 pcs.)
Oil Drain Hose I.D.	0.375 in. (0.95 cm)	0.375 in. (0.95 cm)	0.5 in. (1.27 cm)	0.5 in. (1.27 cm)
Engine Block Check Valve Return Fitting	1/4" NPT	1/4" NPT	3/8" NPT	3/8" NPT



P/N: CCV4500

P/N: CCV6000

P/N: CCV8000

P/N: CCV12000

REPLACEMENT FILTERS

Media Density	CCV4500	CCV6000	CCV8000	CCV12000
Low	CCV55248-04	N/A	N/A	N/A
High	CCV55248-08	CCV55274-08	CCV55222-08	CCV55222-12-08
Ultra	CCV55248-10	CCV55274-10	CCV55222-10	CCV55222-12-10

- Housing Material: Die cast head, glass filled nylon and black powder epoxy-coated steel bowl.
- Crankcase Pressure Regulator: Integral
- Bypass/Change Indicator: Integral or Remote
- Units can be manifolded to handle higher flow rates

Absolute Bypass (ABS) Filtration

The ABS high capacity filtration units are designed to efficiently and cost effectively clean large volumes of lubricating fluids. It combines Racors unique depth loading filter elements for removal of wear particles, moisture, and sludge in large engine applications.



P/N: ABS11400

P/N: ABS11410

P/N: ABS10515

Specifications	ABS11200	ABS11300	ABS11400	ABS11410	ABS10515
Housing Material	Stainless Steel	Stainless Steel	Carbon Steel	Carbon Steel	Carbon Steel
Application Capacity	100 qts (94.6 L)	150 qts (142.0 L)	100 qts (94.6 L)	150 qts (142.0 L)	250 qts (236.6 L)
Port Size	1/2" NPTF	1/2" NPTF	1/2" NPTF	1/2" NPTF	1.0" NPTF
Dimensions	W9.3 x H24.41 in. (W236 x H620 mm)	W9.3 x H30.12 in. (W236 x H765 mm)	W11.81 x H23.62 in. (W300 x H600 mm)	W11.81 x H29.25 in. (W300 x H743 mm)	W18.9 x H50.0 in. (W480 x H1270 mm)
Weight	22 lbs (10.0 kg)	28.7 lbs (13.0 kg)	40 lbs (18.1 kg)	48.5 lbs (22.0 kg)	196 lbs (89.0 kg)
Replacement Filters					
	(use two) ABS20430 (3 micron) ABS20470 (5 micron) ABS25450 (10 micron)	(use three) ABS20430 (3 micron) ABS20470 (5 micron) ABS25450 (10 micron)	(use two) ABS20430 (3 micron) ABS20470 (5 micron) ABS25450 (10 micron)	(use three) ABS20430 (3 micron) ABS20470 (5 micron) ABS25450 (10 micron)	(use five) ABS20520 (3 micron) ABS20510 (5 micron) ABS20512 (10 micron)

