

Oil & Gas Market

Marine - 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	500MA	900MA	1000MA	75500MAX	75900MAX	731000MA	751000MAX	771000MA	791000MAV
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 N/A 540 GPH (2044 LPH)	180 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)
 Units are available with metal bowls, add "M" after MA, i.e. 1000MAM. † Use (†) for metric port threads, i.e. *500MA, *900MA, and *1000MA.

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-16-25	FC-20-1-120V
Flow Rate	Up to 16 GPM (60.56 LPM)	17 to 20 GPM (64 to 76 LPM)
Power Requirements	110/220 volts, 60/50 Hz, single phase, 9.6/4.8 amps	115 vac 15 amp
Height	40.7 in (103.4 cm)	33.3 in (84.6 cm)
Width	25.5 in (67.8 cm)	23.7 in (60.2 cm)
Length	19.8 in (50.3 cm)	26.0 in (66.0 cm)
Weight (dry)	107 lbs (48.5 kg)	95 lbs (43 kg)
Max. Fuel Operating Temperature	150°F (66°C)	100°F (38°C)



ENGINEERING YOUR SUCCESS.

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



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

Marine Air Filter/Silencers

The Racor marine air filter/silencer removes contaminants introduced into the air from both outside and inside the vessel. Sand, salt, carpet fibers and other contaminants are trapped in the oil-impregnated filter media. Turbo noise is reduced by the unique design of the air filter/silencer housing.



Specification	AF M408512	AF M501012	AF M601212	AF M701212
Max. Air Flow*	800 cfm / 377.6 lps	1200 cfm / 566.3 lps	1600 cfm / 755.1 lps	2000 cfm / 944 lps
Outlet Diameter	4.0 in. (10.2 cm)	5.0 in. (12.7 cm)	6.0 in. (15.2 cm)	7.0 in. (17.8 cm)
Filter	AF M8040	AF M8050	AF M8060	AF M8070
Length	12.5 in. (31.8 cm)	12.5 in. (31.8 cm)	12.5 in. (31.8 cm)	12.5 in. (31.8 cm)
Depth	9.6 in. (24.4 cm)	11.1 in. (28.2 cm)	13.5 in. (34.3 cm)	13.5 in. (34.3 cm)
Hose Barb Size	1.0 in. (2.5 cm)	1.3 in. (3.3 cm)	1.3 in. (3.3 cm)	1.3 in. (3.3 cm)
Weight	4.2 lbs (1.9 kgs)	5.0 lbs (2.3 kgs)	8.0 lbs (3.6 kgs)	8.0 lbs (3.6 kgs)
CCV Hose Barb	1.0 in. (2.5 cm) O.D.	1.3 in. (3.3 cm) O.D.	1.3 in. (3.3 cm) O.D.	1.0 in. (2.5 cm) 1.3 in. (3.3 cm) O.D.
Operating Temperature	-40°F +240°F / -40°C +116°C			

*Values given are cubic feet per minute (cfm) and liters per second (l/s).



QUICK REFERENCE

Marine Air Filter	CCV Model
AF M408512	CCV4500
AF M501012	CCV6000
AF M601212	CCV8000
AF M701212	CCV12000

