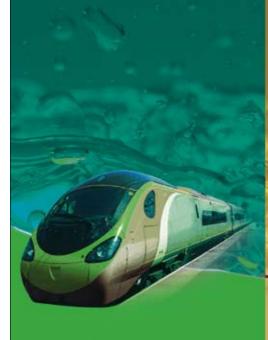




aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding









Racor Filter Division Europe – Distribution

Fuel, Air and Hydrocarbon Filtration Solutions





An Introduction to Distributor Products

The quality solution

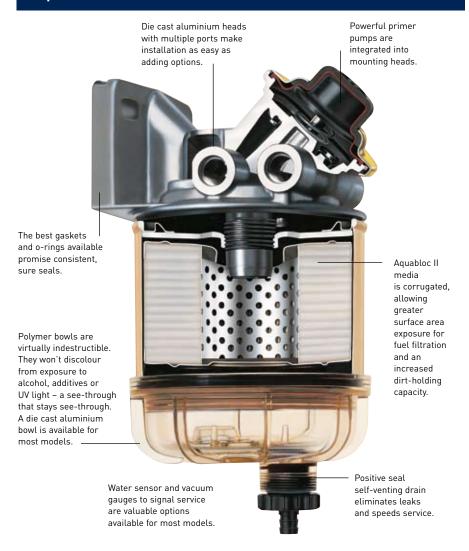
For more than 30 years Parker has been an innovator in diesel fuel filtration and water separation. Providing OEMs and end users with quality filtration solutions. The information contained here is designed to support our distributors in identifying key products:

– filter assemblies, replacement elements and more, aimed specifically at the MRO Market.

Product technology and design innovations

As one of the world's leading manufacturers of fuel filtration products, we pride ourselves on our commitment to innovative products and our distributors play a vital role in achieving this consistently, providing local service, support and stock.

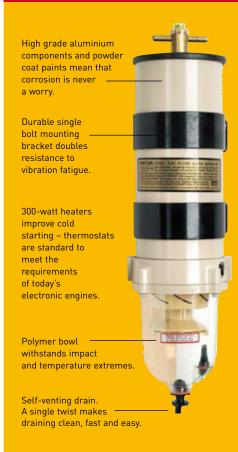
Spin-On Series



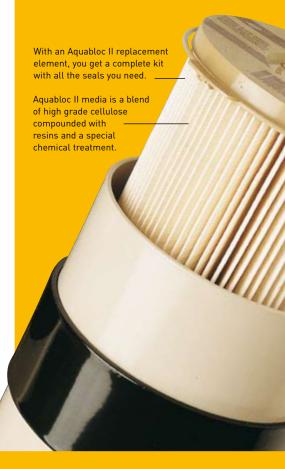
All-season dependability

Racor see-through bowls are constructed of high grade polymers engineered to withstand the rigours of nature and demanding applications. They won't discolour from exposure to ultra violet light. They are impervious to the chemicals and additives often found in diesel fuel. They withstand severe freezing temperature as well as impact from flying stones and road hazards.

Turbine Series



Aquabloc media expels water and keeps engines waterproof, rustproof and dirtproof.



The first name in fuel filtration is also the most improved

Every engine runs better with a system that cleans fuel, removes water, heats fuel and senses when it's time for service. The system is the Racor Turbine Series and it's the most complete, most efficient, most reliable high-capacity engine protection you can install. A system that protects your investment in engines and fuel.



End caps are colour-coded for easy identification and application – red for 30 micron primary filtration, blue for 10 micron primary or secondary, and brown for 2 micron secondary/final filtration.

> Use original Racor filter elements to ensure premium performance.

An integral handle makes changeouts easy.

Aquabloc II elements filter harmful tiny particles of dirt and algae from fuel. Aquabloc II elements are rustproof - with polymer end caps that won't ever corrode.

Crankcase Ventilation Solutions

Crankcase blow-by is produced when combustion gases under high pressure are blown past the piston rings into the crankcase. As these blow-by gases pass through the crankcase, they become contaminated with oil mist.

Open and unfiltered engine crankcase breathers allow oil and soot laden mist to vent to atmosphere.

Environmental concerns, EPA and European legislation prohibit the emission of untreated crankcase gases into the atmosphere.

The Racor Crankcase ventilation system removes soot from blow-by gases whilst returning coalesced oil mist back to the crankcase. The filtered gases can then either be safely vented to atmosphere or returned to the air intake of the turbocharger.

Unique crankcase pressure regulator with integral bypass valve that minimizes variation in crankcase pressure. Excessive variation in crankcase pressure can damage seals, cause loss of oil and other problems

Durable glass-filled nylon components

High efficiency oil separation to 0.3u (microns)

Drain check valve allows collected oil to be returned to the crankcase. This eliminates frequent draining and significantly reduces oil consumption

Maximum continuous operating temperature, -40°C to 116°C (-40°F to +240°F)

> Left or right hand inlet/outlet options

Replaceable highperformance filter with depth-loading, micro-glassfibre coalescing media

Stainless steel latches for tool-less element change

Extended filter service interval from the Vapourbloc™ element

Steel with epoxy powder coating

Closed Crankcase Ventilation

- In closed environments like generator set and marine engine rooms, damage to surrounding equipment such as radiators and electronic control panels can cause hazardous conditions, down time and expensive maintenance.
- Oil mist will coat and contaminate the aftercooler and other engine components. This coating reduces engine cooling capacity, causes a degradation of engine performance and reliability over time, and shortens the useful service life of the engine components.
- The engine intake inhales contaminated gasses, clogging air filter systems and damaging turbo-charger components. It is imperative that oil mist be removed from the crankcase emissions prior to introduction into the engine air intake in closed breather systems.





Engine Air Filtration

Air filtration solutions in everyday situations

Fresh air. That's what Racor air filtration is all about. Because when engines breathe easier they perform better – with more power, more torque and with improved fuel economy. The Racor lineup includes heavy duty air cleaners and pre-cleaners, crankcase



ventilation, marine filter/silencers, cabin air filters and replacement elements.



The ECO III is Racor's newest engine air filter, designed specifically to be the most versatile filter on the market, allowing for multiple inlet/outlet angle positions, left or right hand element removal and outlet configurations, with CCV and gauge connections built in. Designed for 250-500HP engines the ECO III's versatility makes it ideally suited for truck, bus and coach applications.



The DynaCell single stage air cleaner for medium to heavy duty applications is easy to install and available in three sizes, for either horizontal or vertical mounting. Maintenance is simple and servicing is quick and clean. The long, effective life of the DynaCell reduces maintenance - a special advantage in remote installations.

Pamic Series Air Cleaners provide unmatched engine protection for a wide range of equipment from on-highway trucks to compressors, stationary engines to marine engines. The Pamic filter element has an average efficiency rating of 99.9%

(SAE J726).



Quality filtration that meets the standards

Parker Racor Hydrocarbon filter vessels and elements available for industries and applications such as: refineries, pipelines, bulk storage terminals and airport refueling equipment.

Finer filtration, cleaner, drier hydrocarbon products and extended element change intervals offering increased uptime and lower maintenance costs.



Parker Racor Fact File:

- Every engine runs better with a system that cleans fuel, removes water, heats fuel and senses when it's time for service
- The solution is a Turbine, Spin-On or Hydrocarbon filter system
- Aquabloc II media is fitted as standard. Proven media that expels water and keeps engines waterproof, rustproof and dirtproof
- An Aquabloc II replacement element or filter comes as a kit complete with all the required seals
- Parker Racor is also the first name in marine filtration with a comprehensive range of marine spin-on and turbine options proven in both the leisure craft and commercial boat sectors



FBO Filter Assembly

Racors' FBO-10 and FBO-14 filter assemblies are designed to meet the toughest hydrocarbon refuelling conditions and provide for ease of filter change outs. The FBO Assembly can flow at up to 75 US GPM (284 lpm) depending on the model, the elements installed and fuel being filtered.

The FBO assembly can be used on mobile refuellers or installed in refuelling cabinets.

The FBO can also be used for diesel fuel dispensing pumps or as a primary fuel filter/water separator for large diesel engines.

The versatile FBO-10 and the FBO-14 filter assemblies have three element

options to meet most applications; particulate removal, water coalescing and water absorption.



FBO Standard Design Features

- Die-cast aluminium head
- Steel filter bowl
- Locking ring collar, no clamps
- 1 1/2" NPT Inlet and Outlet
- 10 bar @ 116°C max. design pressure

Options

- Mounting bracket
- Sight level gauge
- Pressure diff. indicator

Installations

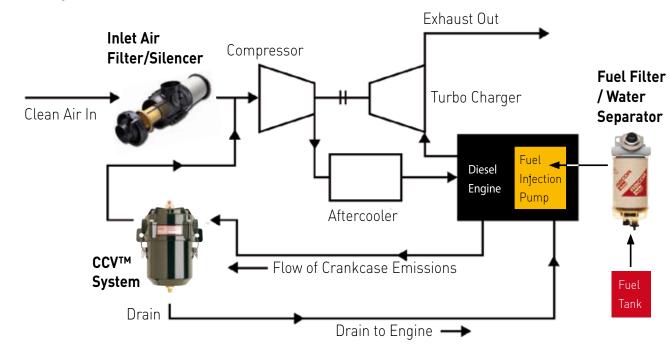
- Aviation fuel trucks
- Aviation fuelling cabinets
- Diesel fuel dispensing systems
- Marine fuel docks
- Fuel systems on large diesel engines

Applications

• Jet fuel, aviation gas, diesel fuel, gasoline, kerosene, JP4, JP5 and JP8.

A modern diesel engine schematic

A schematic indicating air intake filtration, crankcase ventilation, fuel filtration and water separation in a modern diesel engine.



Racor Fuel, Air and Hydrocarbon Products

Туре	Item Number	Flow	Description	Replacement Elements
Spin-On Filters			The Racor Spin-On Filter Series contain patented Aquabloc II media	
200 Series	230R30	30 GPH (113 LPH)	FFWS With primer 30 micron 1/4" NPT	R20P
	260R30MTC	60 GPH (227 LPH)	FFWS No primer pump 30 micron M16 1.5	R260P
400 Series	490R10MTC	90 GPH (340 LPH)	FFWS With primer pump 10 micron M16 1.5	R90T
61	490R2430MTC	90 GPH (340 LPH)	FFWS With primer pump, 24 V bowl heater 30 micron M16 1.5	R90P
	490R30MTC	90 GPH (340 LPH)	FFWS With primer pump 30 micron M16 1.5	R90P
	4120R10MTC	120 GPH (545 LPH)	FFWS With primer pump 10 micron M16 1.5	R120T
	4120R30	120 GPH (545 LPH)	FFWS With primer pump 30 micron 3/4" - 16 SAE	R120P
	4120R30MTC	120 GPH (545 LPH)	FFWS With primer pump 30 micron M16 1.5	R120P
	4160RHH10MTC	160 GPH (600 LPH)	FFWS With primer pump, 12-42 V PTC head heater 10 micron M16 1.5	R160T
600 Series	690R10MTC	90 GPH (340 LPH)	FFWS No primer pump 10 micron M16 1.5	R90T
66	690R2430MTC	90 GPH (340 LPH)	FFWS No primer pump, 24 V bowl heater, 30 micron M16 1.5	R90P
	690R30	90 GPH (340 LPH)	FFWS No primer pump 30 micron 3/8" NPT	R90P
	690R30MTC	90 GPH (340 LPH)	FFWS No primer pump 30 micron M16 1.5	R90P
	6120R2430MTC	120 GPH (545 LPH)	FFWS No primer pump, 24 V bowl heater, 30 micron M16 1.5	R120P
	6120R30	120 GPH (545 LPH)	FFWS No primer pump 30 micron 3/8"-18 NPTF	R120P
	6120R30MTC	120 GPH (545 LPH)	FFWS No primer pump 30 micron M16 1.5	R120P
= Products available ex-stock		FFWS = Fuel Filter / Water Se	parator	

Туре	Item Number	Flow	Description	Replacement Elements
Marine Spin-On				
Marine 100 Series	120R-RAC-02	15 GPH (57 LPH)	FFWS No primer pump 10 micron, metal bowl, 1/4"-18 NPTF	S3240
Marine 200 Series	320R-RAC-01	60 GPH (227 LPH)	FFWS No primer pump 10 micron 1/4"-18 NPTF	S3227
	320R-RAC-02	60 GPH (227 LPH)	FFWS No primer pump 10 micron, metal bowl, 1/4"-18 NPTF	S3227
Marine 600 Series	660R-RAC-01	90 GPH (340 LPH)	FFWS No primer pump 10 micron 3/8"-18 NPTF	S3232
Turbine Filters The Turbine Series is	500FG30	60GPH (227 LPH)	Turbine 30 micron 3/4"-16 UNF	2010 PM – OR
the most complete,	500FG30MTC	60GPH (227 LPH)	Turbine 30 micron M16 1.5	2010 PM – OR
most efficient, most reliable high capacity engine protection you can install.	900FH30	90GPH (340 LPH)	Turbine 30 micron 7/8"-14 UNF	2040 PM – OR
	902FH30	90GPH (340 LPH)	Turbine 30 micron M22 1.5	2040 PM – OR
	1000FH30	180GPH (681 LPH)	Turbine 30 micron 7/8"-14 UNF	2020 PM – 0R
-	1002FH30	180GPH (681 LPH)	Turbine 30 micron M22 1.5	2020 PM – OR
	75500FGX30	60GPH (227 LPH) x2	Duplex Turbine 30 micron with 6 way valve 3/4"-16 UNF	2010 PM – OR
	75900FHX30	90GPH (340 LPH) x2	Duplex Turbine 30 micron with 6 way valve 7/8"-14 UNF	2040 PM – OR
	751000FHX30	180GPH (681 LPH) x2	Duplex Turbine 30 micron with 6 way valve 7/8"-14 UNF	2020 PM – OR

Element Colour Coding System

In order to simplify the usual identification of Parker Racor filters, a simple colour code system is adopted using brown, blue and red paint finish on the cans or elements.



Brown = 2 micron

Blue = 10 micron

Red = 30 micron

Туре	Item Number	Flow	Description	Replacement Elements
UL Marine Turbine Filters	500MAM30	60 GPH (227 LPH)	UL Marine Turbine, Metal bowl, 30 micron 3/4"-16 UNF	2010 PM – OR
Marine variants of the trusted Turbine Series.	900MAM30	90 GPH (340 LPH)	UL Marine Turbine, Metal bowl 7/8"-14 UNF, 30 micron	2040 PM – OR
	902MAM30	90 GPH (340 LPH)	UL Marine Turbine, Metal bowl, 30 micron M22 1.5	2040 PM – OR
	1000MAM30	180 GPH (681 LPH)	UL Marine Turbine, Metal bowl 7/8"-14 UNF, 30 micron	2020 PM – OR
	1002MAM30	180 GPH (681 LPH)	UL Marine Turbine, Metal bowl, 30 micron M22 1.5	2020 PM – OR
	75500MAXM30	60GPH (227 LPH) x2	UL Marine Duplex FFWS Turbine 30 micron with 6 way valve 3/4"-16 UNF	2010 PM – OR
	75900MAXM30	90GPH (340 LPH) x2	UL Marine Duplex FFWS Turbine 30 micron with 6 way valve 7/8"-14 UNF	2040 PM – OR
	751000MAXM30	180GPH (681 LPH) x2	UL Marine Duplex FFWS Turbine 30 micron with 6 way valve 7/8"-14 UNF	2020 PM – OR
Interceptor Series	PFFDW51125		Interceptor replacement filter element 25 Micron Water Absorbing	
Spin-On	R120P		Replacement element 4120/61	20 30 micron
-	R120T		Replacement element 4120/61	
Replacement	R12P		Replacement element 120A 30 micron	
Elements	R12T		Replacement element 120A 10 micron	
	R15P R160T		Replacement element 215 30 r Replacement element 4160 10	
	R260P		Replacement element 260 30	
	R20P		Replacement element 230 30	
	R25P		Replacement element 245 30	micron
Se)	R25T		Replacement element 245 10 r	
S A A	R45P		Replacement element 445/64	
Will and Ball	R52P R60P		Replacement element 152R 30	
	R60T		Replacement element 460/660 Replacement element 460/660	
	11001		Replacement eternent 400/000	J TO THICKOIT

Туре	Item Number	Description	
Spin-On	R90P	Replacement element 490/690 30 micron	
Replacement	R90T	Replacement element 490/690 10 micron	
Flamonto	R90T-D-Max	Replacement element 490 RMSC/HH 10 micron	
Elements	S3227	Replacement element 320RAC 10 micron	
Continued	S3232	Replacement element 660RAC 10 micron	
	S3240	Replacement element 120RAC 10 micron	
. 4	PFF 5510	Replacement element, gasoline 10 micron	
	PFF 5605	Replacement element, gasoline 10 micron	
	PFF 5607	Replacement element (RFCM), 30 micron	
	31871	Twin pack replacement element for Outboard Mercury Engines	
Turbine	2010PM-0R	Replacement element 500 Turbine 30 micron	
Replacement	2010SM-OR	Replacement element 500 Turbine 2 micron	
	2010TM-OR	Replacement element 500 Turbine 10 micron	
	2020PM-0R	Replacement element 1000 Turbine 30 micron	
	2020SM-OR	Replacement element 1000 Turbine 2 micron	
	2020TM-OR	Replacement element 1000 Turbine 10 micron	
	2040PM-0R	Replacement element 900 Turbine 30 micron	
	2040SM-OR	Replacement element 900 Turbine 2 micron	
	2040TM-OR	Replacement element 900 Turbine 10 micron	
Fuel Products	RFF1C	Fuel filter funnel 10 LPM (2.7 GPM) 100 micron	
Accessories 🛳	RFF3C	Fuel filter funnel 14 LPM (3.9 GPM) 100 micron	
	RFF8C	Fuel filter funnel 19 LPM (5.0 GPM) 100 micron	
	RFF15C	Fuel filter funnel 57 LPM (15.0 GPM) 100 micron	
i i i i i	LG 100	Lifeguard Fuel/Air Separator, diesel and gasoline	
	RK 30880	Active water sensor kit complete with built in detection electronics and under dash warning light. For use with all spin on and turbine filters.	
	RK 22628	Bowl Wrench	
Engine Air Products		Closed Crankcase ventilation filter systems	
CCV	CCV4500-08L	Max flow rate: 10CFM Port size: 1 3/16"	
	CCV4500-08E	Max flow rate: 10CFM Port size: 1 3/16"	
	CCV4300-08L	Max flow rate: 20CFM Port size: 1 5/8"	
	CCV6000-08E	Max flow rate: 20CFM Port size: 15/8"	
	CCV8000-08L	Max flow rate: 40CFM Port size: 17/8"	
w	CCV8000-08R	Max flow rate: 40CFM Port size: 17/8"	
CCV Elements	CCV55248-08	Replacement filter assembly-CCV4500	
	CCV55274-08	Replacement filter assembly-CCV6000	
	CCV55222-08	Replacement filter assembly-CCV8000	
		,	

Туре	Item Number	Description
Dynacell Elements	049261000	T-512 Dynacell Element
	045800000	T-519 Dynacell Element
	048976000	T-519D Dynacell Element
	052711000	T-520DR Dynacell Element
	049812000	T-528D Dynacell Element
	051800000	T-528 Dynacell Element
	060799000	T-529DR Dynacell Element
ECO Products	500187012	ECO-III Mounting Base
	500192012	ECO-III Outlet Pan
	500229000	ECO-III Clip (8 Per Package)
	500233000	ECO-III Safety Element
	500247012	ECO-III Primary Element
	500250012	ECO-III Housing, base with secondary
	500251012	ECO-III Housing, base with no secondary
Pamic Elements	012233003	Pamic Element - P9
	012233004	Pamic Element - P12
	012233005	Pamic Element - P16
PHILIPPINS AND ADDRESS OF THE PARTY OF THE P	012233006	Pamic Element - P20
	012233007	Pamic Element - P24
	012233008	Pamic Element - P32
	012233009	Pamic Element - P40
	012233010	Pamic Element - P48
	012233011	Pamic Element - P64
	012233014	Pamic Element - P12 (2x6)
	012233010LONG	Pamic Element - P48
	<u> </u>	<u> </u>

Туре	Item Number	Description	
Air Products	014439000	Filterminder Adapter Kit for all Engine Air Products	
– Spares	014440001 Filter Service Indicator c/w 90° Elbow 4-25" H ₂ O Vac 1/8" Fitting		
а	400033015	Filter Service Indicator 3-15" H ₂ 0 Vac 1/8" Fitting	
5 4 9	400033025	Filter Service Indicator 4-25" H ₂ O Vac 1/8" Fitting	
	035588000	Flexible Bleed Valve for T512 Dynacell	
	049780000	Flexible Bleed Valve for T519 and T528 Dynacell	
	039135001	Filter Service Indicator/Adapter Kit 4-25" H ₂ 0 Vac	
	038105007	Locknut for C61, C63, C64 & C69 Fasteners – Pamic clamp assemblies	
	054803000	Flexible Bleed Valve - for Pamic pre-cleaner	
Hydrocarbon			
Products	FB0-10	Housing Assembly (Element not included)	
FB0	FB0-14	Housing Assembly (Element not included)	
Housings	72710	Water Level Sight Glass	
Ψ	72694	15psi Differential Pressure Indicator	
FB0 Elements	FB060331	Pre-Filter Element - 5 Micron (FBO 10)	
	FB060340	Pre-Filter Element - 5 Micron (FBO 14)	
	FB060353	FFWS Element - 10 Micron (FBO 10)	
	FB060356	FFWS Element - 10 Micron (FBO 14)	
	FB060334	Absorptive Filter 5 Micron (FBO 10)	
	FB060343	Absorptive Filter 5 Micron (FBO 14)	

/ WARNING

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

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Parker's technical resources provide the correct filtration technologies that conform to your requirements. That's why thousands of manufacturers and equipment users around the world rely on Parker Filtration products and people.



Hydraulic, Lubrication & Coolant Filtration

High-performance filtration systems for protection of machinery in industrial, mobile and military/marine applications.



Filtration and Separation

Complete line of compressed air/gas filtration and separation products; coalescing, particulate and adsorption filters in many applications in many industries.



Racor Fuel Conditioning & Filtration

Parker air, fuel and oil filtration systems provide quality protection for engines operating in any environment, anywhere in the world.



Process & Chemical Fluid Filtration

Liquid filtration systems for beverage, chemical and food processing; cosmetic, paint, water treatment; photo-processing; and micro-chip fabrication.



System Contamination Monitoring

On-line dynamic
particle analysis,
off-line bottle sampling
and fluid analysis and
measurement of water
content polluting the oil
in a system.

The most trusted name in engine protection

Racor technology takes the guesswork out of engine protection and Racor manufacturing quality and attention to detail ensures every customer gets the filtration and separation solution they are looking for.

To make product selection easier, Racor's extensive range has been catalogued into four market/application groups detailed below.

Commercial Fuel Filtration

Everytime you add fuel, you add millions of tiny contaminants...small enough to be invisible, but big enough to destroy injectors, pumps and profitability. Racor's industrial and automotive product range of customer proven spin-on filter/separators, turbine fuel filters and crank case ventilators are the solution.



Engine Air Filtration Systems

Fresh air. That's what Racor filtration is all about. Because when engines breathe easier they perform better with more power, more torque and with improved fuel economy. Whatever your application, there's a Racor Air Filtration system that will help you and your engine breathe easy.



Leisure Marine and Commercial

Marine Filtration

Ask a sailor about engine protection. About filtration, about reliability and performance. Whether they are the master of a superyacht, sailboat, fishing boat or tug, the chances are the one word answer will be the same as it has been for more than three decades... Racor. Marine filtration products trusted across the seven seas.



From the refinery to the injector, at the terminal and on the forecourt, Racor has a hydrocarbon filter vessel and element solution for your fuel delivery needs.





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