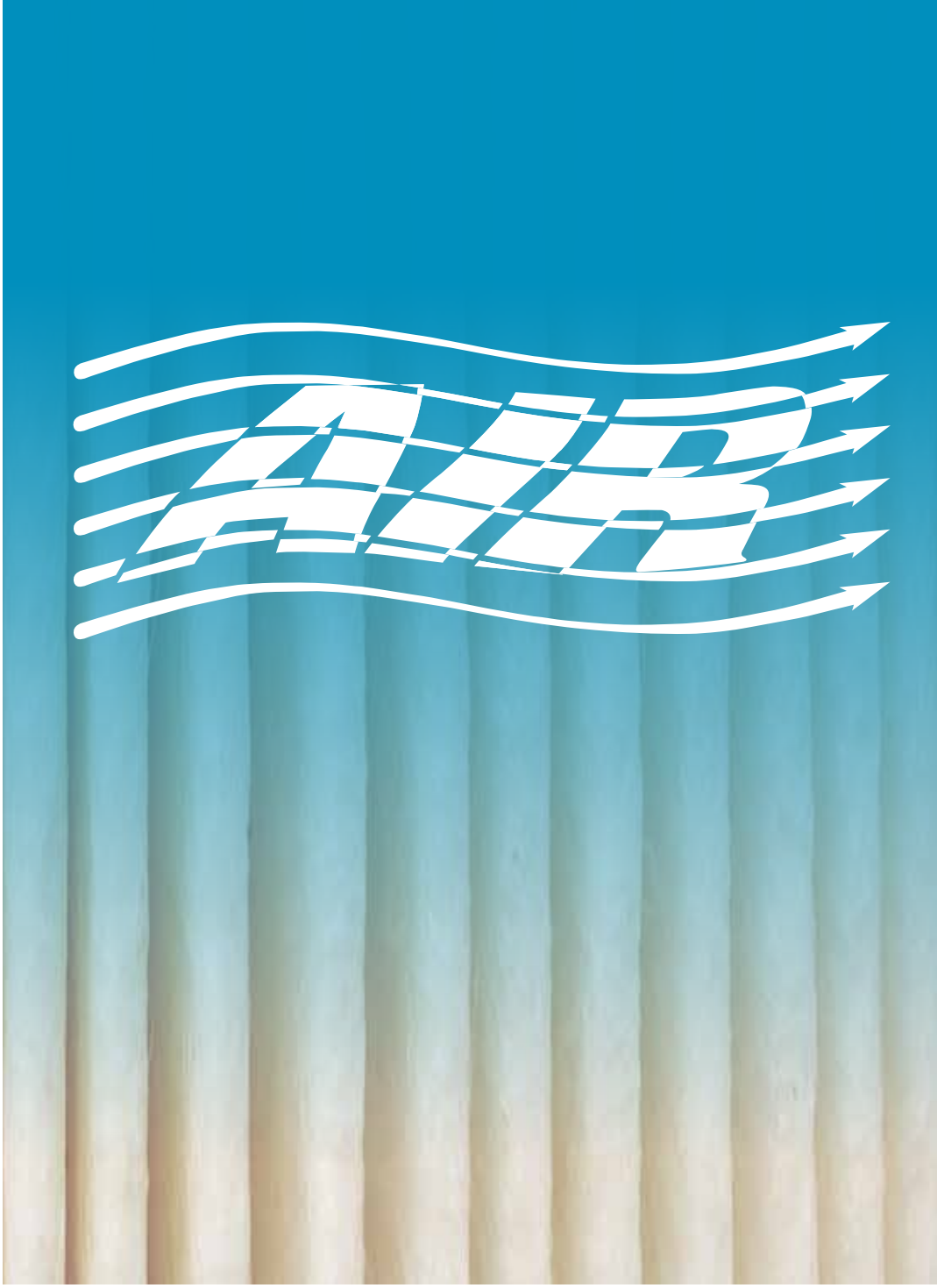
aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



Air Filtration

Products and Custom Solutions

Parker

ENGINEERING YOUR SUCCESS.

Table of Contents

ECO-SE (Small Engine Applications)

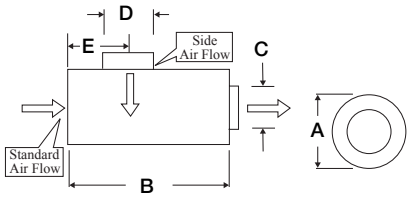
The ECO-SE is designed for small engine applications. It also has two unique features. First, it has a urethane outlet tube which allows the filter to be mounted directly to a metal tube or turbo without an additional rubber connection. Second, the standard unit is a straight-through air filter, air goes in one end and out the other. Intake adapters are available if you would like to remotely locate the intake. The side inlet version offers additional mounting flexibility.

Durable urethane beaded outlet eliminates additional rubber connections.

Easy to service, compact, lightweight, and efficient design. For light and medium duty applications (smaller mobile and stationary engines up to 300 hp).

Straight-through design improves pressure differential in smaller engine air intakes with drain holes for water removal.

Dimensions



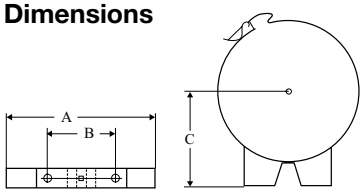
Specifications

Part No.	Dimensions										Air Flow		Weight	
	(Diameter) A		(Length) B		(Outlet) C		(Inlet) D		E		cfm	m^3/min	lbs	kg
	in.	cm	in.	cm	in.	cm	in.	cm	in.	cm				
ECO-SE Straight-Through														
114500001	6.8	17.3	14.2	36.1	3.0	7.6	-	-	-	-	240-340	6.8-9.6	5.0	2.3
114500002	7.8	19.8	17.2	43.7	4.0	10.2	-	-	-	-	355-510	10.1-14.4	6.5	2.9
114500003	9.7	24.6	18.9	48.0	5.0	12.7	-	-	-	-	610-890	17.3-25.2	7.9	3.6
117122000	11.0	27.9	24.0	61.0	7.0	17.8	-	-	-	-	780-1180	22.1-33.4	12.9	5.9
ECO-SE Side Inlet														
114880003	9.7	24.6	19.4	49.3	5.5	14.0	6.0	15.2	4.0	10.2	600-900	17.0-25.5	9.0	4.1
114880005	7.8	19.8	17.2	43.7	4.5	11.4	6.0	15.2	5.5	14.0	420-800	11.9-22.7	7.0	3.2

Mounting Clamps (2 Required)

Part No.	Dimensions					
	A		B		C	
	in.	cm	in.	cm	in.	cm
099049001	6.9	17.5	3.5	8.9	5.1	13.0
099049002	7.9	20.1	3.5	8.9	5.6	14.2
099049003	9.8	24.9	4.5	11.2	6.6	16.8

Dimensions



ECO Series Spin-On Disposable Air Cleaners

With its revolutionary spin-on design, the completely disposable ECO Series offers faster, safer, more trouble-free service than any other air cleaner today. Built for rugged use, it combines maximum engine protection with fuel-efficient performance and long service life.

The ECO Series provides two significant improvements in engine protection. When the filter loads with dirt and replacement is required, collected dust and debris stay safely contained inside the disposable housing, eliminating the chance of contaminating the air intake system during air filter service. Since the ECO Series uses no clean air gaskets, you never have to worry about gasket leak age. The outlet simply hooks up to the intake with a rubber connection and clamp, creating a leak-tight seal.

ECO II

Beaded outlet.

The first cone-type filter that is both tapered and offset.

Water-resistant media provides three- to five-times longer filter life than conventional designs.

More usable media area than conventional filters.

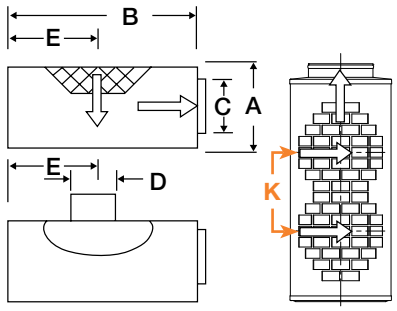
Paper pleats are permanently locked in place for reliable performance.

Media meets and exceeds all engine manufacturer performance requirements per the ISO-5011 Test Standard, with no seals or gaskets to replace

Requires no additional room to service filter.

Air flow distribution and dust loading are uniform throughout the high-performance filter cone pack, resulting in increased capacity and lower pressure differential for improved horsepower and fuel economy.

Dimensions



Double Grid

Specifications

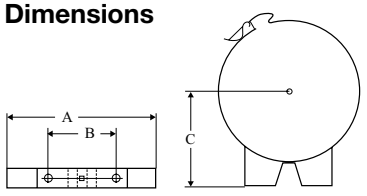
Part No.	Dimensions										Air Flow		Weight	
	(Diameter) A		(Length) B		(Outlet) C		(inlet)* D		E		cfm*	m^3/min*	lbs*	kg*
	in.	cm	in.	cm	in.	cm	in.	cm	in.	cm				
071338001	10.0	25.4	24.0	61.0	6.0	15.2	6.0	15.2	9.0	22.9	820-1220	23.2-34.5	15.5	7.1
071338002	11.0	27.9	24.0	61.0	7.0	17.8	7.0	17.8	9.0	22.9	1200-1700	34.0-48.1	19.2	8.8
071338003	13.5	34.3	24.0	61.0	7.0	17.8	7.0	17.8	9.0	22.9	1370-1950	38.8-55.2	22.0	10.0
071338004	13.5	34.3	18.0	45.7	7.0	17.8	7.0	17.8	9.0	22.9	1350-1800	38.2-51.0	19.9	9.1
071338005	13.5	34.3	15.0	38.1	7.0	17.8	7.0	17.8	7.5	19.1	1350-1800	38.2-51.0	17.0	7.7
071338007	11.0	27.9	24.0	61.0	7.0	17.8	7.0	17.8	11.5	29.2	1200-1700	34.0-48.1	17.5	7.9
071338008	9.75	24.8	18.0	45.7	6.0	15.2	6.0	15.2	9.0	22.9	920-1190	26.1-33.7	12.1	5.5
Double Grid														
071338009 [1]	13.5	34.3	24.0	61.0	7.0	17.8	7.0	17.8	7.7	22.9	1210-1910	34.3-54.1	9.0	5.5

*With inlet transition mount installed. [1] **K** = 8.5 in. (21.6 cm) between grids.

Mounting Clamps (2 Required)

Part No.	Dimensions					
	A		B		C	
	in.	cm	in.	cm	in.	cm
071921001	9.8	24.9	4.5	11.2	5.5	14.0
071921002	11.0	27.9	5.0	12.7	6.1	15.5
071921003	13.5	34.3	6.0	15.2	7.4	18.0

Dimensions



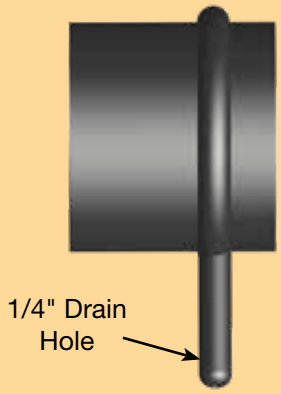
ECO II Inlet Transition Mounting Adapter

Inlet Transition
Installed on ECO-II

ECO II Inlet Transition

The ECO II was designed to provide lower replacement filter cost on an under hood truck application due to the 2-piece design. The Inlet Transition adapter is a separate piece that stays on the truck and is purchased separately.

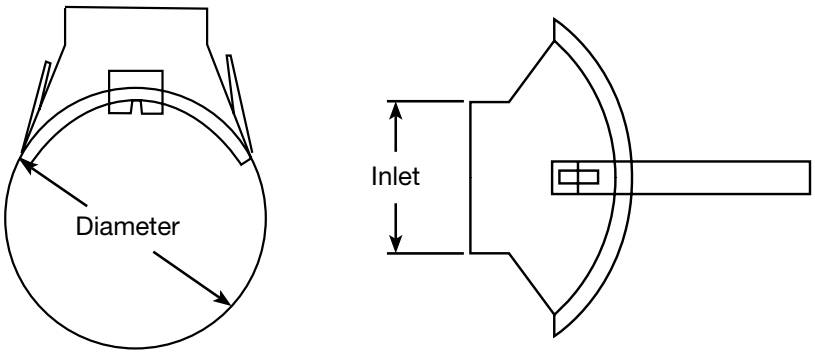
The ECO II used without the Inlet Transition has become the standard in the Generator Set market. Air Flow is outside-in with water drain holes around the perimeter.



ECO II Inlet Transition With Water Separator

- **No Service**
- **Up to 80% water separation**
- **Must be installed horizontally**
- **Drain tube installed**

Dimensions



Specifications	Diameter		Inlet	
	in.	cm	in.	cm
072994000	13.5	34.3	7.0	17.8
073086002[1]	13.5	34.3	7.0	17.8

[1] Transition mount includes a water separator, for horizontal installations.

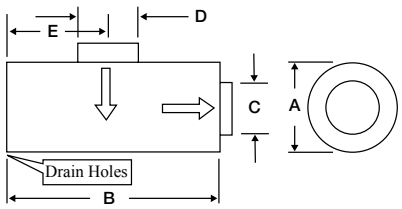
ECO-SM (Scheduled Maintenance)

The ECO-SM was designed to give additional mounting flexibility to the OEM customer, while offering a greater value to the fleet that changes filters based on a scheduled maintenance program. Due to the various inlet tube locations, the ECO-SM is ideal for retrofit applications.

The ECO-SM is for outside-in air flow only and has drain holes around the perimeter.

- **Choice of three inlet locations to match new or retrofit applications.**
- **The ECO-SM can be mounted in any orientation or angle.**
- **Economical scheduled maintenance design.**
- **Beaded outlet.**
- **Fast and easy to service with no housing to clean or gaskets to service.**
- **Easy upgrade for existing air cleaners with separate filters.**
- **Drain holes for water removal.**

Dimensions



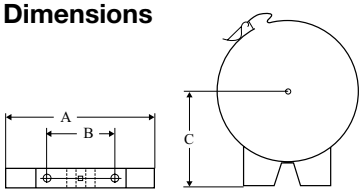
Specifications

Part No.	Dimensions										Air Flow (CFM)		Weight	
	(Diameter) A		(Length) B		(Outlet) C		(Inlet) D		E					
	in.	cm	in.	cm	in.	cm	in.	cm	in.	cm	cfm	m^3/min	lbs	kg
099842002	11.0	27.9	24.0	61.0	7.0	17.8	7.0	17.8	12.0	30.5	980-1430	27.8-40.5	19.0	8.6
099842004	13.5	34.3	24.0	61.0	7.0	17.8	7.0	17.8	5.5	14.0	1100-1670	31.1-47.3	27.0	12.2
099842005									12.0	30.5	1130-1500	32.0-42.5	27.0	12.2
099842006									18.5	47.0	1030-1500	29.2-42.5	27.0	12.2
099842007	13.5	34.3	18.0	45.7	7.0	17.8	7.0	17.8	5.5	14.0	1120-1630	31.7-46.2	24.0	10.9
099842009	13.5	34.3	15.0	38.1	7.0	17.8	7.0	17.8	5.5	14.0	1070-1550	30.3-43.9	22.5	10.2
099842010									9.5	24.1	1060-1530	30.0-43.3	22.5	10.2

Mounting Clamps (2 Required)

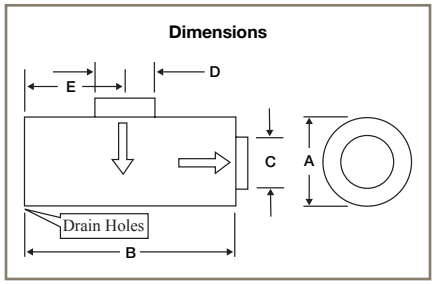
Part No.	Dimensions					
	A		B		C	
	in.	cm	in.	cm	in.	cm
071921002	11.0	27.9	5.0	12.7	6.1	15.5
071921003	13.5	34.3	6.0	15.2	7.4	18.0

Dimensions



ECO-LL (Long Life)

- **Beaded outlet.**
- **Long life and disposable.**
- **Use when extended maintenance intervals, or severe service.**
- **More media surface area than scheduled maintenance style.**
- **Choice of inlet locations.**
- **Drain holes for water removal.**



The ECO-LL is similar to the ECO-SM, but is for applications where the customer wants to get the longest life from their air filter.

There are also more sizes available.

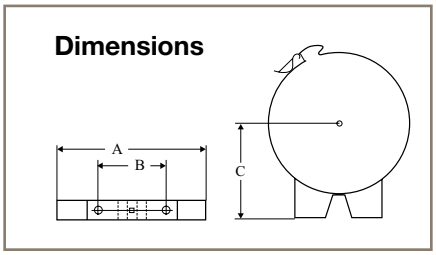
The ECO-LL is for outside-in air flow only and has drain holes around the perimeter.

Specifications

Part No.	Dimensions										Air Flow		Weight	
	(Diameter) A		(Length) B		(Outlet) C		(Inlet) D		E		cfm	m^3/min	lbs	kg
	in.	cm	in.	cm	in.	cm	in.	cm	in.	cm				
400820001	11.0	27.9	24.0	61.0	7.0	17.8	7.0	17.8	5.5	14.0	985-1475	27.9-41.8	19.0	8.6
400820002									12.0	30.5	905-1340	25.6-37.9	19.0	8.6
400820003									18.5	47.0	645-950	18.3-26.9	19.0	8.6
400820004	13.5	34.3	24.0	61.0	7.0	17.8	7.0	17.8	5.5	14.0	1295-1910	36.7-54.1	21.5	9.8
400820006									18.5	47.0	845-1250	23.9-35.4	21.5	9.8
400820014	11.0	27.9	18.0	45.7	7.0	17.8	7.0	17.8	5.5	14.0	970-1455	27.5-41.2	13.5	6.1
400820015									12.5	31.8	715-1075	20.2-30.4	13.5	6.1
400820019	11.0	27.9	13.0	33.0	7.0	17.8	7.0	17.8	7.5	19.1	710-1100	20.1-31.1	10.2	4.6
400820020	11.0	27.9	15.0	38.1	7.0	17.8	7.0	17.8	7.5	19.1	820-1230	23.2-34.8	11.5	5.2
400820021					6.0				7.5	19.1	740-1100	21.0-31.1	11.5	5.2
400820022	11.0	27.9	18.0	45.7	6.0	15.2	7.0	17.8	12.5	31.8	650-960	18.4-27.2	12.8	5.8
400820023	11.0	27.9	13.0	33.0	6.0	15.2	7.0	17.8	7.5	19.1	720-1060	20.4-30.0	10.2	4.6
400820026	9.8	24.9	18.0	45.7	6.0	15.2	6.0	15.2	4.0	10.2	750-1050	21.2-29.7	12.5	5.7

Mounting Clamps (2 Required)

Part No.	Dimensions					
	A		B		C	
	in.	cm	in.	cm	in.	cm
071921001	9.8	24.9	4.5	11.4	5.5	14.0
071921002	11.0	27.9	5.0	12.7	6.1	15.5
071921003	13.5	34.3	6.0	15.2	7.4	18.8

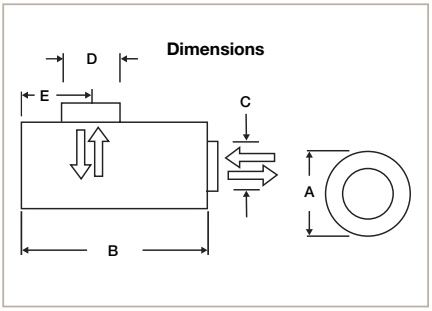


ECOLITE

The original ECO Series product, the ECOLITE is still the only air filter in the industry that you can flow air in either direction. This allows a variety of installation options with the same part number replacement filter.

The ECOLITE can be mounted in any orientation or convenient location; under the hood or outside, direct or remote.

- **Beaded inlet/outlet.**
- **Tapered offset cone design assures uniform air distribution, minimizes air restriction and maximizes filter service life.**
- **The only air filter available with choice of flow directions in a single part number.**
- **Positive barrier, pleated paper media is set in a superior quality adhesive for a permanent seal.**
- **Airflow may enter or exit either opening.**

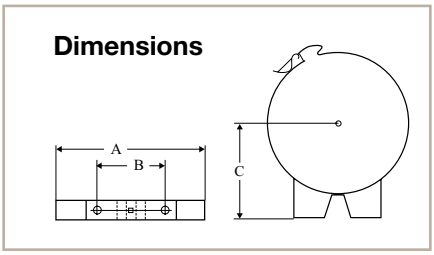


Specifications

Part No.	Dimensions										Air Flow		Weight	
	(Diameter) A		(Length) B		(Outlet) C		(Inlet) D		E		cfm	m^3/min	lbs	kg
	in.	cm	in.	cm	in.	cm	in.	cm	in.	cm				
062891001	9.8	24.9	24.0	61.0	6.0	15.2	6.0	15.2	5.5	14.0	820-1200	23.2-34.0	16.0	7.3
062891002	11.0	27.9	24.0	61.0	7.0	17.8	7.0	17.8	5.5	14.0	1100-1650	31.1-46.7	19.0	8.6
062891003	13.5	34.3	24.0	61.0	7.0	17.8	7.0	17.8	5.5	14.0	1375-1900	38.9-53.8	27.0	12.2
062891004	13.5	34.3	18.0	45.7	7.0	17.8	7.0	17.8	5.5	14.0	1070-1590	30.3-45.0	16.3	7.4
062891007	9.8	24.9	24.0	61.0	6.0	15.2	6.0	15.2	12.0	30.5	820-1200	23.2-34.0	16.0	7.3
062891010	13.5	34.3	15.0	38.1	7.0	17.8	7.0	17.8	5.5	14.0	1025-1540	29.0-43.6	15.3	6.9
062891011	13.5	34.3	15.0	38.1	7.0	17.8	7.0	17.8	9.5	24.1	1000 - 1500	28.3 - 42.5	15.3	6.9
062891012	11.0	27.9	18.0	45.7	7.0	17.8	7.0	17.8	5.5	14.0	1000 - 1400	28.3 - 40.0	15.4	7.0
062891013	9.8	24.9	18.0	45.7	6.0	15.2	6.0	15.2	5.5	14.0	750-1050	21.2-29.7	12.5	5.7
076955000	13.5	34.3	24.0	61.0	8.0	20.3	10.0	25.4	6.5	16.5	1400-2000	40-56.6	27.0	12.2
076955001	13.5	34.3	24.0	61.0	8.0	20.3	10.0	25.4	12.0	30.5	1400-2000	40-56.6	27.0	12.2
124923000	11.0	27.9	24.0	61.0	7.0	17.8	7.0	17.8	18.5	47.0	860-940	24.4-26.6	19.0	8.6

Mounting Clamps (2 Required)

Part No.	Dimensions					
	A		B		C	
	in.	cm	in.	cm	in.	cm
071921001	9.8	24.9	4.5	11.4	5.5	14.0
071921002	11.0	27.9	5.0	12.7	6.1	15.5
071921003	13.5	34.3	6.0	15.2	7.4	18.8

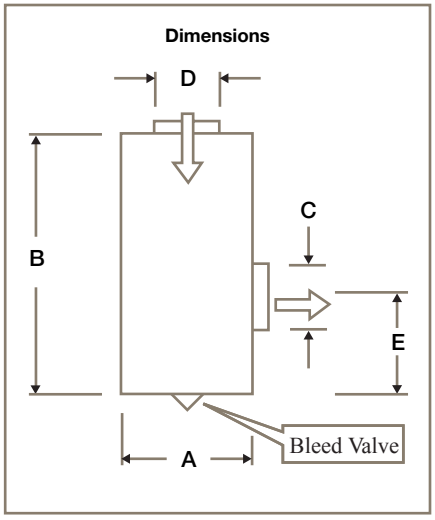


ECO-BC (Behind the Cab)

Beaded inlet
inside-out air flow

for vertical applications only

Rugged Construction



Designed for behind the truck cab installations, the ECO-BC must be mounted vertically with an inside-out air flow. The ECO-BC air filter can be used for under the hood applications also, and the rubber drain valve in the bottom base allows for water and dirt to easily drain out.

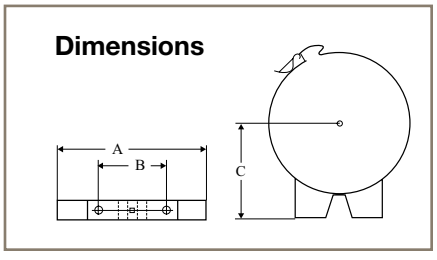
This disposable air cleaner features a slimline vertical design for tight or limited space installations.

Specifications

Part No.	Dimensions										Air Flow		Weight	
	(Diameter) A		(Length) B		(Outlet) O.D. C		(Inlet) D		E					
	in.	cm	in.	cm	in.	cm	in.	cm	in.	cm	cfm	m^3/min	lbs	kg
094973001	11.0	27.9	24.0	61.0	7.0	17.8	7.0	17.8	5.5	14.0	1120-1600	31.7-45.3	19.0	8.6
094973002	13.5	34.3	24.0	61.0	7.0	17.8	7.0	17.8	5.5	14.0	1450-1750	41.1-49.6	27.0	12.2
094973003	9.8	24.9	24.0	61.0	6.0	15.2	6.0	15.2	5.5	14.0	875-1250	24.8-35.4	16.0	7.3
094973004	9.8	24.9	18.0	45.7	6.0	15.2	6.0	15.2	9.0	22.9	720-1060	20.4-30.0	10.4	4.7
094973005	13.5	34.3	15.0	38.1	7.0	17.8	7.0	17.8	9.5	24.1	980-1470	27.8-41.6	15.3	6.9
094973006	11.0	27.9	18.0	45.7	6.0	15.2	7.0	17.8	5.5	14.0	810-1200	22.9-34.0	12.6	5.7
094973007	11.0	27.9	18.0	45.7	7.0	17.8	7.0	17.8	5.5	14.0	1010-1490	28.6-42.2	12.5	5.7

Mounting Clamps (2 Required)

Part No.	Dimensions					
	A		B		C	
	in.	cm	in.	cm	in.	cm
071921001	9.8	24.9	4.5	11.4	5.5	14.0
071921002	11.0	27.9	5.0	12.7	6.1	15.5
071921003	13.5	34.3	6.0	15.2	7.4	18.8

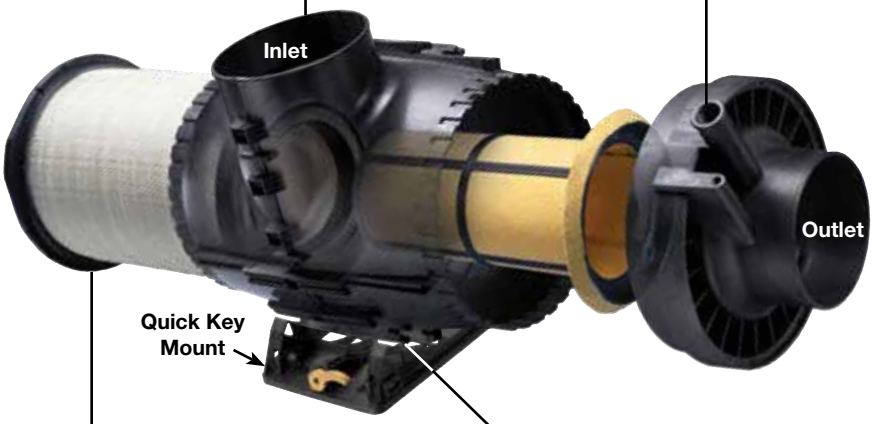


ECO III

Parker Racor Engineering Has Raised The Bar on Air Filtration Media Technology

The ECO III housing is the tangential orientation of the 7" inlet, which directs air flow evenly around the filter, thus expanding filter life and saving you money.

A CCV port enables a closed crankcase ventilation system exhaust line to easily be connected, creating a environmentally sound system.



Two molded handles on an extended edge lip, lets your hands grasp firmly to easily remove the filter. Metal clasps provide an air-tight seal without using tools.

The housing can be rotated 180° and securely locked into place. The 6" outlet port is field reversible, and orientation of the 7" inlet port is adjustable within 20° increments.

Easiest Air Filter to Service, Ever

- **Easiest to Specify**
- **Easiest to Install**

With ECO III, Racor engineers have not only revolutionized the performance of air filtration, but also how the unit is installed and serviced.

It's a mounting system invented for flexibility and convenience. The reversible base mounting bracket and included hardware mounts quickly, in any direction to frame rail or firewall. This complete mounting system eliminates the need for custom made, field-engineered and installed brackets a significant savings of time and money.

- **Proprietary treated moisture-bloc media is water resistant. When moisture-bloc is combined with Racor water-separating intake scoops, you have an exceptional, fast-draining air filtration system.**
- **This new ECO III filter is computer design optimized to provide maximum efficiency at lowest possible long term cost per mile.**
- **In severe duty, or when an extra measure of protection is desired, Racor provides a secondary, or safety filter. Its inverted cone design adds surface area helping to reduce pressure drop significantly without affecting flow. In addition to adding insurance in the unlikely event of a primary filter failure, the safety filter remains in place during primary filter service, further reducing the opportunity for contaminants to reach the turbocharger and engine components.**
- **With a full 2" pleat depth, total capacity is approximately 100 square feet of media providing a flow range of up to 900 CFM.**
- **Proven Racor pleat separation technology system supports the pleats inside and outside for overall strength and durability. There are no metal components that can cause filter media wear damage.**
- **There is no metal in either the primary or safety (secondary) filters – they are completely incinerable.**
- **ECO III media is sealed with adhesive urethane to the end cap which eliminates the chance of contaminants leaking during operation or service.**
- **Systems where the contaminated airflow enters the unit at a right angle can experience dust loading on the filter intake. Because the ECO III housing disperses contaminated airflow around the filter, dust loading is uniform across the entire area of the filter resulting in a longer change-out interval.**

ECO III is a Quantum Leap in Air Filtration System Design

ECO III is the result of a focused, collaborative effort between Racor engineering and our customers. On-highway, real-world testing and laboratory certification has resulted in the advanced ECO III product line. State-of-the-art materials and design features result in installation flexibility, superior performance, ease of service, and unmatched customer satisfaction.

Smaller and Better

ECO III is designed for 250-400 horsepower engines for over-the-road vehicles, including buses and specialty applications. Because ECO III delivers high efficiency in a small overall package design, the air filtration system can be located closer to turbochargers for increased performance. Furthermore, the smaller unit size frees valuable space in the engine compartment.

ECO III

4 Levels of Protection Means ECO III is Sealed for Maximum Engine Protection

Introduction to contamination during operation and at service time is a significant maintenance issue. The ECO-III assures a clean service and safely keeps the dirt out.

1. **A sealing surface allows removal of safety filter which wipes and captures dirt on the surface as it is removed.**

2. **An external radial seal rings the outlet of the filter housing to prevent contamination from escaping into the engine.**

3. **A continuous ring seal (only if safety filter is employed) is provided at the interface between the primary and safety filter.**

4. **Interior seal adds a second level of protection.**

Specification	ECO III LH	ECO III	ECO III XL13	ECO III XL15
Mounting Clamps	N/A	N/A	071921010 (2 required)	071921009 (2 required)
Assembly Number: **With Safety Filter** **Without Safety Filter**	 N/A 500235002	 500250012 500251012	 ECO-III-XL13S ECO-III-XL13	 ECO-III-XL15S ECO-III-XL15
Primary Filter	500293112	500247012	500454001	500375001
Safety Filter	N/A	500233000	500455001	500443001
Diameter	12.3 in. (31.2 cm)	13.0 in. (33.0 cm)	13.0 in. (33.0 cm)	15.0 in. (38.1 cm)
Width	14.1 in. (35.8 cm)	20.5 in. (52.1 cm)	22.0 in. (55.9 cm)	24.0 in. (61.0 cm)
Air Flow	700 CFM (19.8 m^3/min)	900 CFM (25.5 m^3/min)	800 CFM (22.7 m^3/min)	1,000 CFM (28.3 m^3/min)
Inlet	6.0 in. (15.2 cm)	7.0 in. (17.8 cm)	6.0 in. (15.2 cm)	7.0 in. (17.8 cm)
Outlet	5.0 in. (12.7 cm)	6.0 in. (15.2 cm)	6.0 in. (15.2 cm)	6.0 in. (15.2 cm)

ECO-Vent

DEF Tank Vent Filter

The Racor ECO-Vent Filter prevents contamination from entering the DEF tank.

It is made using DEF compatible proprietary engineered materials. The mounting bracket is E-coated steel, which resists corrosion from DEF and the environment.

Current vehicle applications typically do not have a vent filtration system on the DEF tank, but now you can protect your tank and components with the new Racor ECO-Vent filter. ECO-Vent has successfully completed over a million miles of road testing under severe conditions. In addition, it has passed ISO 5011 air filtration testing, thermo-cycling, vibration testing, and Urea compatibility testing.

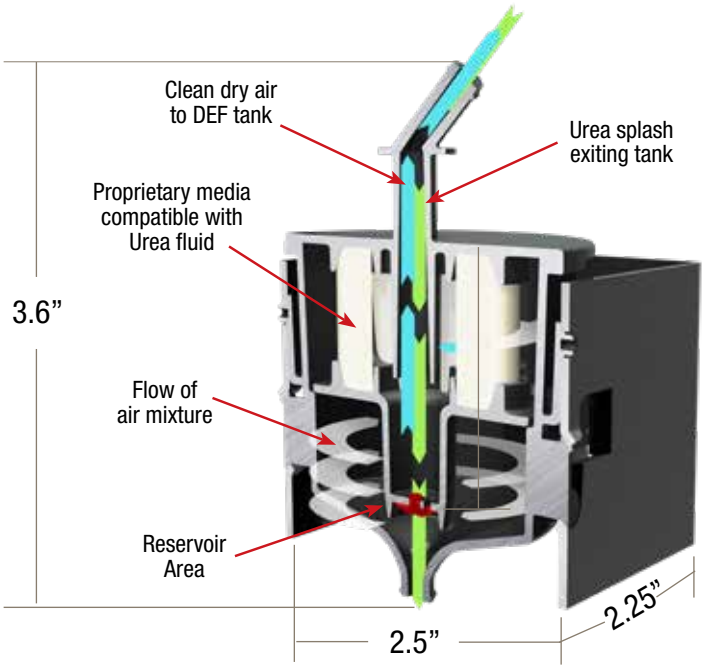
When the engine is running and Selective Catalytic Reduction (SCR) is active, contaminated air is drawn into the bottom inlet of the Racor ECO-Vent as the Diesel Exhaust Fluid (DEF) is used.

The air first flows past a closed umbrella valve, and then into a holding chamber that traps particles and condenses water, which then drains back out the inlet. Stopping bulk water and larger dirt particles in the holding chamber protects the proprietary barrier media.

Any fine contaminant that reaches the vent filter element is trapped, and any collected water is coalesced on the element surface and returned to the reservoir area, where it drains out the bottom. Clean, dry air then flows to the DEF tank. Any tank splash (urea) getting back to the filter, flows from the top of the housing through a central tube, opens the umbrella valve, and drains from the housing.

Suggested replacement interval is once per year.

Filter Flow Diagram



Part Numbers	Description
PFA500675000	Filter and bracket assembly
PFA500676000	Replacement filter

Product Specifications	
Element Diameter	2.25 in.
Height	3.58 in.
Bracket	2.5 in. x 2.25 in.

Ember Separator/ Moister Separator

Part No.	Width	Height	Area (Sq. ft.)
123970001	20.0 in. (50.8 cm)	8.0 in. (20.3 cm)	1.11
123970002	8.6 in. (21.8 cm)	7.9 in. (20.1 cm)	0.47
123970003	20.0 in. (50.8 cm)	5.5 in. (14.0 cm)	0.76
123970006	10.8 in. (27.4 cm)	9.3 in. (23.6 cm)	0.69
123970007	20.8 in. (52.8 cm)	11.3 in. (28.7 cm)	1.62
123970011	8.0 in. (20.3 cm)	9.0 in. (22.9 cm)	0.50
123970012	5.5 in. (14.0 cm)	16.3 in. (41.4 cm)	0.62
123970013	25.0 in. (63.5 cm)	3.5 in. (8.9 cm)	0.61
123970015	15.5 in. (39.4 cm)	8.0 in. (20.3 cm)	0.86
123970016	8.8 in. (22.4 cm)	23.0 in. (58.4 cm)	1.40
123970017	12.8 in. (32.5 cm)	5.3 in. (13.5 cm)	0.47
123970018	9.5 in. (24.1 cm)	5.3 in. (13.5 cm)	0.35
123970019	7.0 in. (17.8 cm)	16.0 in. (40.6 cm)	0.78
123970020	6.8 in. (17.3 cm)	11.9 in. (30.2 cm)	0.57
123970021	17.1 in. (43.4 cm)	11.4 in. (29.0 cm)	1.35
123970025	19.0 in. (48.3 cm)	16.0 in. (40.6 cm)	2.11
123970026	25.2 in. (64.0 cm)	4.4 in. (11.2 cm)	0.77
123970028	11.9 in. (30.2 cm)	3.0 in. (7.6 cm)	0.25

All Racor Ember Separators have a depth of 1".
*** Optional faceplate can be provided.**

Ember protection is extremely important in order to protect fire suppression equipment as well as human life. The Racor Moisture Ember Separator (MES) protects the downstream air filter from embers using a combination of unique flat and crimped metal screens constructed into a galvanized steel frame. This multi layered screen design traps embers and allows them to burn out before passing through the pack, while creating only minimal air flow restriction through the system.

In the event of fire hot embers may burn holes in the air filter, allowing dirt, sand, smoke and other particles to contaminate and shut down the engine, often beyond repair. Even worse, a burning air filter may lead to a major vehicle fire. Also, large amounts of free water in the cylinders can result in broken pistons or bent rods. The Racor Moisture & Ember Separator is specifically designed to help separate hot embers from entering the engine intake. Meets NFPA guidelines.

Note: Periodic cleaning or replacement of the screen is all that's required after installation.

For design considerations, the velocity through the ember separator should not exceed 1000 feet per minute (FPM).

Velocity, FPM = flow rate (cfm)/ember separator area (square feet).

Features:

- **Removes embers from air flow.**
- **One inch thick.**
- **Can be used as a moisture separator.**

Applications:
Racor Engine Air Pre-Cleaners are designed to be mounted on or connected to the air filter intake of a gasoline or diesel engine air cleaner.

Applications include:

- **All fast-moving mobile equipment such as trucks, buses, and recreational vehicles.**

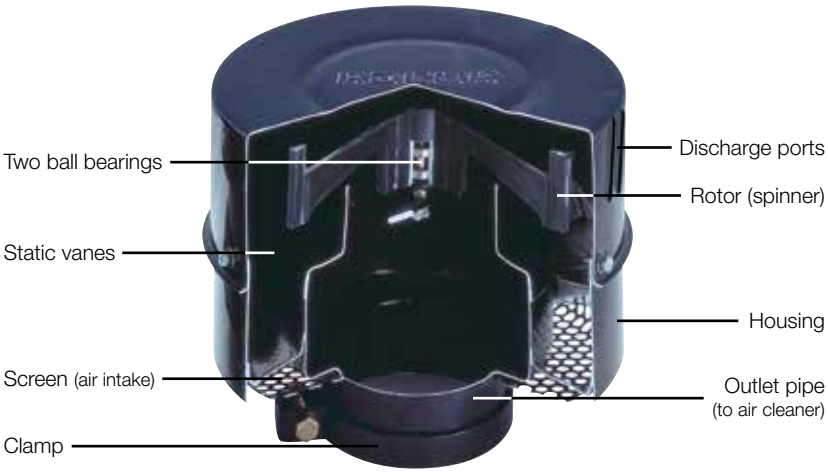
Features and Benefits

- **Removes up to 80% of impurities from intake air before the air enters the filters.**
- **The bottom-intake air entry design eliminates the opportunity for water intrusion during high-speed and stationary operation.**
- **Easy to install. Three plastic outlet reduction sleeves are provided with each assembly.**

AFHP Series

Heavy-Duty On-Highway Pre-Cleaners

For Mobile Equipment Applications

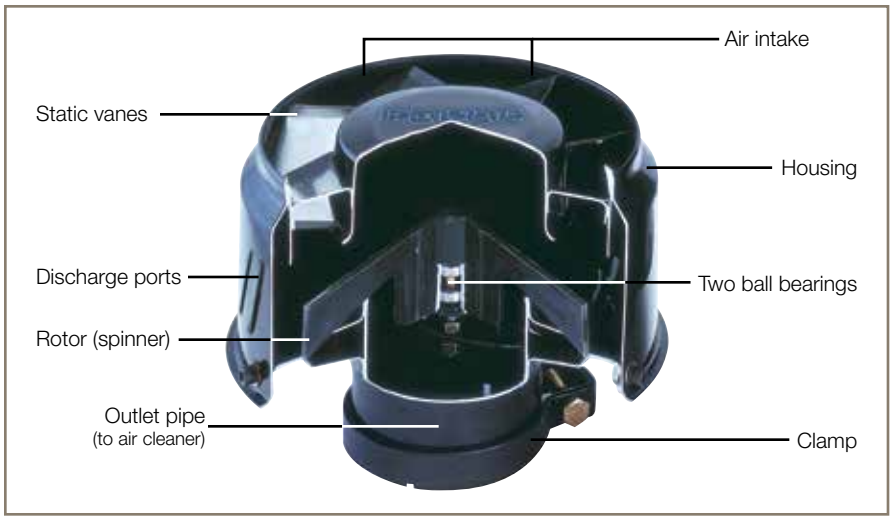


Model	Airflow Range	Horsepower Range	Weight (with filters)	Height	Diameter	Outlet Size	Outlet Reducer Size
AFHP31	53 to 124 cfm (1.5 to 3.5 m^3/min)	30 to 60 HP (22 to 45 KW)	2.4 lbs (1.1 kg)	6.1 in. (15.5 cm)	7.0 in. (17.8 cm)	3.0 in. (7.6 cm)	2.8"-2.5" (7.1-6.4 cm)
AFHP41	124 to 247 cfm (3.5 to 7.0 m^3/min)	60 to 120 HP (45 to 89 KW)	3.4 lbs (1.5 kg)	7.0 in. (17.8 cm)	7.8 in. (19.8 cm)	3.0 in. (7.6 cm)	2.5"-2.8" (6.4 -7.1cm)
AFHP82	247 to 388 cfm (7.0 to 11.0 m^3/min)	120 to 160 HP (89 to 119 KW)	4.3 lbs (2.0 kg)	7.8 in. (19.8 cm)	9.6 in. (24.4 cm)	4.0 in. (10.2 cm)	3.8"-3.5"-3.3" (9.7-8.9-8.4 cm)
AFHP211	776 to 1059 cfm (22.0 to 30.0 m^3/min)	300 to 400 HP (224 to 298 KW)	8.4 lbs (3.8 kg)	9.1 in. (23.1 cm)	14.1 in. (35.8 cm)	6.0 in. (15.2 cm)	5.5"-5.3"-5.0" (14.0-13.5-12.7 cm)

AFUP Series

On-Highway/Off-Highway Air Pre-Cleaners

For Under-Hood Applications



How they work

Racor Under-Hood Engine Air Pre-Cleaners can be remote-mounted or attached directly to the air cleaner eliminating the need for an external air intake.

- **No exterior vehicle modification for intake air.**
- **High air flow, low differential design.**

Model	Airflow Range	Horsepower Range	Weight (with filters)	Height	Diameter	Outlet Size
AFUP021	176 to 282 cfm (5.0 to 8.0 m^3/min)	70 to 100 HP (52 to 75 KW)	3.5 lbs (1.6 kg)	5.8 in. (14.7 cm)	7.9 in. (20.1 cm)	3.3"-3.0"-2.8"-2.5" (8.4-7.6-7.1-6.4 cm)
AFUP131	741 to 988 cfm (21.0 to 28.0 m^3/min)	300 to 350 HP (224 to 261 KW)	8.7 lbs (3.9 kg)	9.6 in. (24.4 cm)	13.0 in. (33.0 cm)	6.0"-5.5"-5.3"-5.0" I.D. (15.2-14.0-13.5-12.7 cm)

[1]Does not include outlet reducing sleeves or rings.

Spinaire Series

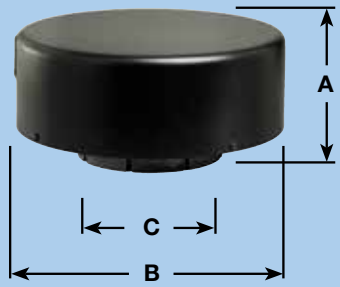
Engine Air Precleaners

Spinaire Precleaners

Racor Engine Air Precleaners are designed to be mounted on or connected to the air filter intake of a gasoline or diesel engine air cleaner. Their applications include all on highway and industrial equipment such as agricultural machinery; earth moving, construction and mining equipment; Concrete mixers, Yard tractors; pumping plants; generator sets; material handling equipment; snow removal equipment and street sweepers.

Product Features

- **Works for a wide range of applications and flow rates.**
- **Aluminum and stainless steel construction, black powder coated cover*.**
- **High air flow, low restriction design.**
- **Self-powered and self-cleaning**
- **Virtually no maintenance**



Product Information and Specifications

Racor Spinaire series precleaners are designed to be mounted on or connected to the air filter intake of a gasoline or diesel engine. Applications include all slow moving and industrial equipment such as agricultural machinery, earth moving, construction, mining equipment, pumping plants, generator sets, material handling equipment, snow removal equipment, and street sweepers.

Features and Benefits
Removes up to 90% of impurities from intake air before the air enters the filter. Extends engine air filter life and reduces equipment down time. Also prolongs engine and turbocharger life and saves on fuel costs.

Flow rates from 300 to 1850 CFM, aluminum and stainless steel construction, black powder coated cover*, and low restriction design for a wide range of applications. Spinaire series precleaners are self-powered and self-cleaning, requiring no electrical or exhaust gas power to dispose of separated particles. It requires virtually no maintenance and should be inspected occasionally to insure that no foreign material has plugged intake or exhaust port areas.

Part No.	Air Outlet ID		Maximum Airflow		Dimensions				Weight	
	C		CFM	m^3/min	in.		cm			
	in.	cm			A	B	A	B	lbs	kg
123583440	4.0	10.2	300	8.5	4.8	8.3	12.2	21.1	5.0	2.3
123583660	6.0	15.2	740	21.0	7.1	12.3	18.0	31.2	9.0	4.1
123583770	7.0	17.8	1190	33.7	7.3	14.1	18.5	35.8	11.0	5.0
123583990*	9.0	22.9	1850	52.4	8.1	17.1	20.3	43.4	14.0	6.4

*NOTE: All precleaners are black powder coated. Model 123583990 and 123583771 are polished aluminum.

EACP Series

Composite Dynamic Air Precleaners

Product Information and Specifications

Racor composite dynamic air precleaners separate solid dust and debris from the air stream before they reach the main air cleaner. They are installed in place of the rain cap, dust bowl, or aspirated precleaner (exhaust system). In some applications, they can be mounted directly to the air cleaner. Air enters through static vanes at the bottom periphery of the precleaner causing the air to spin and drive a high velocity rotor, which in turn acts as a blower that centrifugally forces dust, dirt, insects, water, and snow through a discharge port. Pre-cleaned air then flows through the outlet to the main air cleaner system and extend the life of the primary air filter from 5 to over 12 times, greatly increasing the air cleaner service interval, reducing operating cost, and increasing equipment uptime.

Racor Composite Precleaners range in size to fit intakes from 1 1/2" to 6" diameter to handle air flows from 3 to 1100 CFM. They have been independently tested and proven superior. Racor Composite Precleaners are constructed with specially formulated materials to withstand heat, cold, vibration, UV Radiation, and impact.

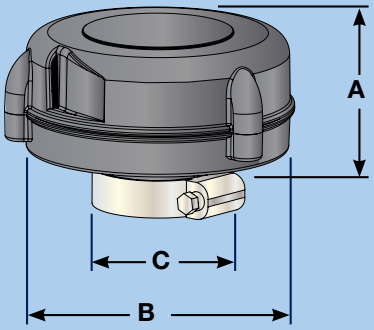
EACP Series

Equipment operated in dusty environments require more periodic maintenance and experience more down time. The filter in the air cleaner requires more frequent replacement as the level of dust increases. A plugged filter reduces power, fuel economy, and engine component life. Racor composite dynamic air precleaners dramatically increase the life of the air filter, reduce overall intake system restriction, increase equipment productivity, reduce downtime, and save money.

Product Features

- **High efficiency**
- **Light weight**
- **Durable**
- **Rust/corrosion resistant**
- **UV Resistant**
- **Sealed bearings**
- **No maintenance**
- **Limited Lifetime Warranty**

Dimensions



Part No.	Air Outlet ID		Airflow				Dimensions				Weight	
	C		cfm		m^3/min		in.		cm			
	in.	cm	Min	Max	Min	Max	A	B	A	B	lbs	kg
EACP61508	1.5	3.8	3	20	0.08	0.6	2.3	3.6	5.8	9.1	0.42	0.19
EACP61511	2.0	5.1	20	100	0.57	4.3	3.0	4.8	7.6	12.2	0.55	0.25
EACP61513	3.0	7.6	75	250	2.1	7.1	4.0	6.9	10.1	17.5	1.5	0.68
EACP61515	4.0	10.1	150	465	4.3	13.2	5.3	9.4	13.5	23.9	2.83	1.28
EACP61521	4.5	11.4	250	600	7.1	17.0	7.0	10.8	17.8	27.4	3.7	1.68
EACP61523	5.0	12.7	250	600	7.1	17.0	7.0	10.8	17.8	27.4	3.7	1.68
EACP61519	6.0	15.2	250	600	7.1	17.0	7.0	10.8	17.8	27.4	3.7	1.68
EACP61517	6.0	15.2	350	1100	9.9	31.1	6.6	12.0	16.8	30.5	5.67	2.57

EAF Series

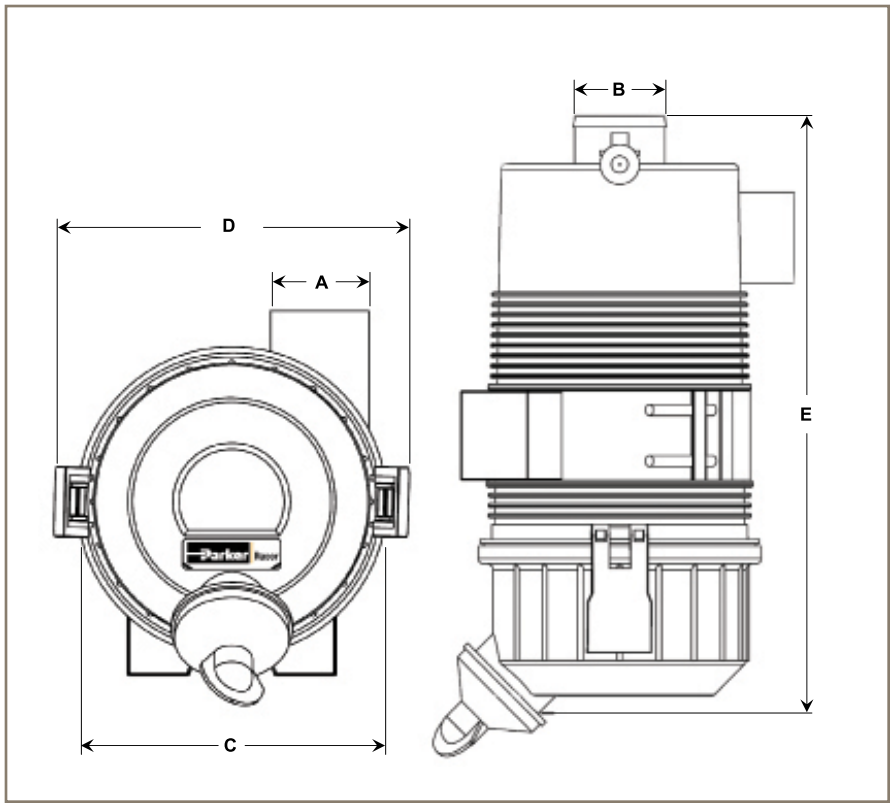
Composite Heavy Duty Air Cleaners

EAF Series

Heavy duty equipment requires heavy duty engine air intake filtration. Heavy duty composite air cleaners are designed and built to meet the requirements for gasoline and diesel powered agricultural, construction, turf care, forestry, and mining equipment. Designed for high dust environments with excessive vibration and extreme temperatures. Composite air cleaners are the economical choice for your heavy duty applications.

Features

- **High efficiency dust holding capacity**
- **UV resistant high-strength polymer composite**
- **Tool-less service**
- **Working temperature -40°C to 100°C (-40°F to 212°F)**
- **Industry standard radial seal filter**
- **Mounted vertically or horizontally**
- **Spring loaded mounting bracket**
- **Dual position restriction indicator port mounting**



Part No.	Safety Element	Flow Rate at Initial Restriction						A		B		C		D		E	
		6 in. H_2O		8 in. H_2O		10 in. H_2O		O.D. Inlet		O.D. Outlet							
		cfm	m^3/min	cfm	m^3/min	cfm	m^3/min	in.	cm	in.	cm	in.	cm	in.	cm	in.	cm
EAF68110	No	75	2.1	90	2.5	105	3.0	2.0	5.1	1.8	4.6	4.8	12.2	6.1	15.5	9.0	22.9
EAF68111	Yes	65	1.8	75	2.1	85	2.4	2.0	5.1	1.8	4.6	4.8	12.2	6.1	15.5	9.0	22.9
EAF68120	No	100	2.8	115	3.3	130	3.7	2.0	5.1	2.0	5.1	5.8	14.7	7.1	18.0	13.4	34.0
EAF68130	Yes	90	2.5	105	3.0	115	3.3	2.0	5.1	2.0	5.1	5.8	14.7	7.1	18.0	13.4	34.0
EAF68132	No	150	4.2	175	5.0	195	5.5	2.5	6.4	2.5	6.4	6.9	17.5	8.2	20.8	14.1	35.8
EAF68133	Yes	145	4.1	165	4.7	185	5.2	2.5	6.4	2.5	6.4	6.9	17.5	8.2	20.8	14.1	35.8
EAF68140	No	160	4.5	190	5.4	210	5.9	3.0	7.6	3.0	7.6	7.2	18.3	8.6	21.8	14.6	37.1
EAF68150	Yes	150	4.2	170	4.8	190	5.4	3.0	7.6	3.0	7.6	7.2	18.3	8.6	21.8	14.6	37.1
EAF68160	No	250	7.1	290	8.2	325	9.2	3.8	9.7	3.5	8.9	8.4	21.3	9.7	24.6	15.6	39.6
EAF68170	Yes	225	6.4	260	7.4	280	7.9	3.8	9.7	3.5	8.9	8.4	21.3	9.7	24.6	15.6	39.6
EAF68175	No	375	10.6	425	12.0	475	13.5	4.5	11.4	4.0	10.2	10.6	26.9	11.9	30.2	19.1	48.5
EAF68175-1	Yes	325	9.2	375	10.6	425	12.0	4.5	11.4	4.0	10.2	10.6	26.9	11.9	30.2	19.1	48.5
EAF68178	No	600	17.0	685	19.4	770	21.8	6.0	15.2	5.0	12.7	12.2	31.0	13.5	34.3	22.0	55.9
EAF68179	Yes	500	14.2	565	16.0	630	17.8	6.0	15.2	5.0	12.7	12.2	31.0	13.5	34.3	22.0	55.9
EAF68182	No	800	22.7	910	25.8	1060	30.0	7.0	17.8	6.0	15.2	15.5	39.4	16.8	42.7	21.5	54.6
EAF68185	Yes	710	20.1	830	23.5	960	27.2	7.0	17.8	6.0	15.2	15.5	39.4	16.8	42.7	21.5	54.6

EAF Series Air Cleaner

Replacement Filter Guide

Part No.	Primary	Safety
EAF68110	EAPE68300	N/A
EAF68111	EAPE68300	EASE68340
EAF68120	EAPE68310	N/A
EAF68130	EAPE68310	EASE68350
EAF68132	EAPE68315	N/A
EAF68133	EAPE68315	EASE68355
EAF68140	EAPE68320	N/A
EAF68150	EAPE68320	EASE68360
EAF68160	EAPE68330	N/A
EAF68170	EAPE68330	EASE68370
EAF68175	EAPE68332	N/A
EAF68175-1	EAPE68332	EASE68372
EAF68178	EAPE68630	N/A
EAF68179	EAPE68630	EASE68631

EA Series Air Filters

Replacement Filters

EA Series Replacement Filters
The most important components of any heavy duty air cleaner are the primary and secondary filter. Without a high quality replacement filter, the air cleaner cannot perform the job it is designed to do. Racor replacement filters for the EA and EAVLR air cleaners are designed and manufactured with the highest quality materials, including high efficiency, high capacity filter media, and reliable, durable urethane end caps.

Features:

- **High Efficiency media**
- **Industry standard radial seal design**
- **Urethane encapsulation**
- **High dust holding capacity**

Product Information and Specifications

Racor introduces a line of replacement air filters for its EA and EAVLR series air cleaners. These primary and safety filters are high efficiency urethane radial seal filters designed to perform at the highest level to protect your investment. They are also direct replacements for common air cleaner designs from other filter manufacturers.

Part No.		Enginaire		Donaldson		Baldwin		Fleetguard		Luberfiner	
Primary	Safety	Primary	Safety	Primary	Safety	Primary	Safety	Primary	Safety	Primary	Safety
EAPE68300	EASE68340	2s-E1	2s-E2	P822686	P535396	RS3715	RS3930	AF25538	N/A	LAF8388	LAF22056
		68300	68340								
EAPE68310	EASE68350	2-E1	2-E2	P772578	P775298	RS3546	RS3547	AF25539	AF25434	LAF8147	LAF5844
		68310	68350								
EAPE68315	EASE68355	2.5-E1	2.5-E2	P822768	P822769	RS3702	RS3703	AF25436	AF25497	LAF8143	LAF8114
		68315	68355								
EAPE68320	EASE68360	3-E1	3-E2	P772579	P775300	RS3542	RS3543	AF25526	AF25484	LAF8148	LAF9332
		68320	68360								
EAPE68330	EASE68370	3.75-E1	3.75-E2	P772580	P775302	RS3544	RS3545	AF25352	AF25485	LAF4544	LAF4545
		68330	68370								
EAPE68332	EASE68372	4.5-E1	4.5-E2	P777588	P777639	N/A	RS3885	AF25504	AF25491	N/A	LAF5932
		68332	68372								
EAPE68630	EASE68631	6-E1	6-E2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		68630	68631								

Low-Resistance Flexible Air Inlet Fitting and Clamps

Rubber elbows, adapters and clamps provide positive sealing, minimal airflow restriction and easy servicing.

Flexible air inlet fittings are made of high-quality EPDM rubber, and provide minimum airflow restriction between the air cleaner and engine air inlet. Their flexibility simplifies both installation and service. Stainless steel adjustable clamps assure a positive seal and ease of service. (see bulletin #**7609** for more information)

Air Inlet Clamps

Filter Service Indicator

"Filter Minder" Service Indicator is a precision Airflow Restriction Gauge designed to take the guesswork out of air cleaner filter replacement. Its operation is simple and virtually foolproof.

As dirt captured by the filter cartridge gradually builds up, the system pressure drop increases and is indicated by the Filter Minder on an easy-to-read scale.

The indicator locks up at the point of maximum restriction so readings can be taken with or without the engine running. When the desired change-out point is reached, the filter cartridge is easily reset by simply pushing the button at the bottom of the unit.

This indicator works equally well on both gasoline and diesel equipment.

Economical – Saving one filter change-out can more that cover the cost of the Service Indicator. It's a small price for a potentially large gain year after year.

Standard Filter Monitor Part Numbers

Part No.	Range[C]	Description
400033015[A]	8-15	Direct Mount
400033020[A]	8-20	Direct Mount
400033025[A]	8-25	Direct Mount
014440001[A]	8-25	Direct Mount w/ 90° fitting
072604000[B]	4-25	Remote Mount
076248001[A]	8-25	Dash Mount

[A] Unit standard with a 1/8"-27 NPT straight fitting.
[B] Unit standard with a 90° coupling and 10' hose.
[C] Measurement in inches of water vacuum.

Filter Monitor/Single Latching Position

Part No.	Range (In. water vac.)
500198020	20
500198025	25

Accessories

Part No.	Description
400034000	90° fitting (Adapts to straight fitting)

The CCV outlet is connected to the engine's combustion air inlet via an air intake connector where filtered blow-by gas is recycled through the combustion process. Oil collected in the CCV sump is returned to the crankcase through a hose and a drain check valve.

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.

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

Marine Air Filter/Silencers

- **Reduces noise up to 10 db**
- **Can integrate Racor CCV systems**
- **Corrosion resistant**
- **Cleanable air filter**
- **No tools needed for servicing**
- **Compact design**

Marine Air Filter Assembly

In order to determine the correct marine air filter application, you will need to know the marine air filter rating (AFR). You will need to provide the hose connection to turbo. Verify that the marine air filter dimensions will fit into your engine room.

In addition, note the dimensions of the marine air filter outlets and the Racor CCV connector barb outside diameter from the chart in the Marine Air Filter Kit installation Section to ensure the correct installation for your engine. However, the marine air filters typically correspond with the following CCV Models (see chart on right).

4-cycle engines: AFR = HP x 2.0
2-cycle engines: AFR = HP x 2.5

Example

- **DDC 12V92TA DDEC (2-cycle – twin turbo): 826 hp x 2.5 = 1032.5 AFR (1) AF M501012 per turbo**
- **1110 hp x 2.5 = 1387.5 AFR per turbo = AF M601212**
- **CAT 3196 (4-cycle – twin turbo): 660 hp x 2.0 = 1320.0 AFR = (1) AF M601212**

Note: If AFR is close to maximum capacity of the marine air filter as listed below, use the next size larger.




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).

Air Filter Replacements

Part No.	Competitive Part Number	Dimensions (In) (DxHxD)
AF M8145	CD170	10x8x10
AF M8120	CD173	7.5x5x7.5
AF M8121	CD174	7.5x6x7.5
AF M8122	CD175	7.5x7x7.5
AF M8126	CD178	7.5x10x7.5
AF M8010	CD180	3" Air Separator Filter
AF M8146	CD181	10x10x10
AF M8153	CD183	12x12x12
AF M8037	CD184	9x14x6.875
AF M8152	CD186	12x7x12
AF M8026	CD190	7.5x10x5.125
AF M8025	CD195	7.5x8x5.125
AF M8034	CD196	9x9x7
AF M8033	CD197	9x12x6.88
AF M8134	CD200	9x9x9
AF M8133	CD201	9x12x9
AF M8141	CD202	10x6x10
AF M8156	CD204	12x8x12

Racor offers direct replacements for the intake air filter operation of competitive air filters/ silencers. Also available is the replacement filter for the vacuum limiter air separator.

The filter media for all replacement filters is an oil-impregnated cotton gauze and is sandwiched between pleated, epoxy-coated aluminum wire-mesh polyurethane sealed surfaces. This product is cleanable and must be oiled before using.

Air Filter Cleaning Kit

To be used for washing and re-oiling Racor cleanable air filters. Part Number: **AF M82006**

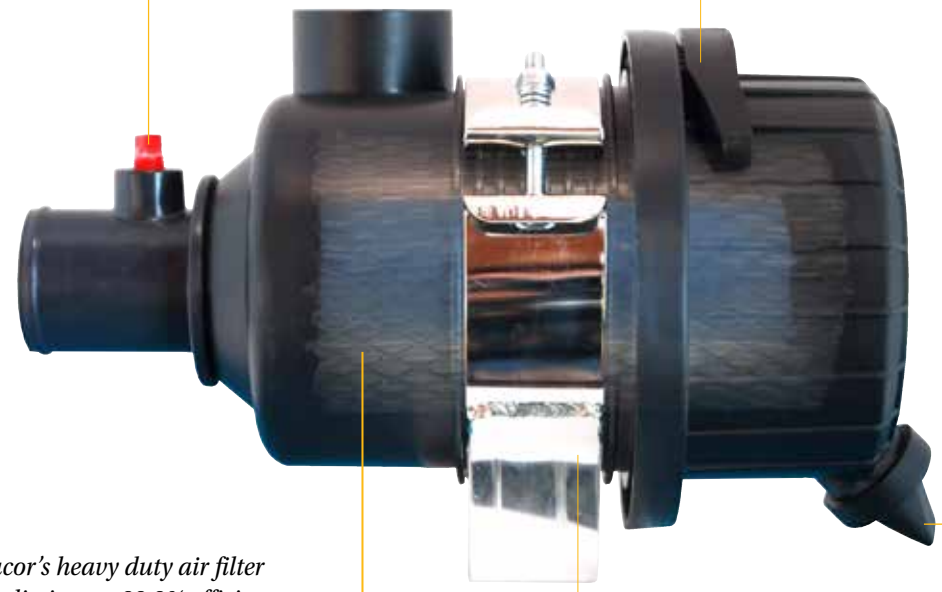
ECO-TL Series Air Cleaner

Racor's heavy duty air cleaners are designed and built to meet the demanding requirements for agricultural, construction, turf care, forestry, and mining equipment. The ECO-TL Series is designed for high dust environments with excessive vibration and extreme temperatures. The Racor ECO-TL Series is the cost effective choice for heavy duty applications.

Clean 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 air filter elements offer a high-efficiency, engineered application-specific media that improves performance as it extends service life. Whatever your application, there's a Racor air filtration system that will help you and your engine breathe easy.

Integrated filter restriction indicator port with optional restriction indicator. Changing your filter is no longer a guess.

Racor's innovative design for filter removal, features a low profile twist locking mechanism, which reduces the clearance required for filter change-outs.



Racor's heavy duty air filter media is over 99.9% efficient at removing contaminants from the air, and is designed to withstand the harsh environments encountered in demanding applications.

Polished stainless steel mounting bracket built to withstand corrosive environments.

Evacuation valve allows accummulated water and dust to drain.

Build a Part No.:

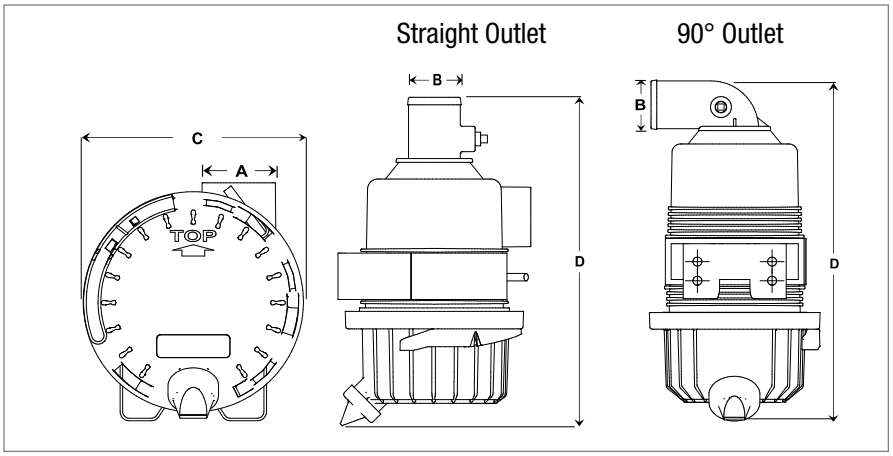
	Inlet Diameter 20 = 2.0"	Outlet Diameter 18 = 1.75"	Outlet Type 00 -Straight 90 - 90°Elbow	Elements 10-Primary Only 20-Primary & Secondary
EAF	20	18	00	10

*Available part numbers are listed on page 37.

ECO-TL Accessories:

ECO-TL w/Filter Minder
Part No.: 400033025 Shown

ECO-TL w/Raincap
Part No.: EARC2000 Shown



		Flow Rate at Initial Restriction						A		B		C		D	
		6" H_2O		8" H_2O		10" H_2O		OD Inlet		OD Outlet					
Part Numbers		CFM	m3/min	CFM	m3/min	CFM	m3/min	inch	mm	inch	mm	inch	mm	inch	mm
EAF20180010	2" x 1.75" Straight Outlet	75	2.1	90	2.5	105	3	2	51	1.75	45	6.14	156	8.98	228
EAF20180020	2" x 1.75" Straight Outlet (with safety element)	65	1.8	75	2.1	85	2.4	2	51	1.75	45	6.14	156	8.98	228
EAF20189010	2" x 1.75" 90 Outlet	66	1.87	81	2.29	93	2.63	2	51	1.75	45	6.14	156	9.9	251.5
EAF20189020	2" x 1.75" 90 Outlet (with safety element)	57	1.61	69	1.95	78	2.21	2	51	1.75	45	6.14	156	9.9	251.5
Replacement Elements	Primary: EAPE68300P						Secondary: EASE68340P								
EAF20200010	2" x 2" Straight Outlet	100	2.8	115	3.3	130	3.7	2	51	2	51	7.09	180	13.39	340
EAF20200020	2" x 2" Straight Outlet (with safety element)	90	2.5	105	3	115	3.3	2	51	2	51	7.09	180	13.39	340
EAF20209010	2" x 2" 90 Outlet	88	2.5	104	2.95	115	3.26	2	51	2	51	7.09	180	14.39	365.5
EAF20209020	2" x 2" 90 Outlet (with safety element)	78	2.2	97	2.75	105	2.98	2	51	2	51	7.09	180	14.39	365.5
Replacement Elements	Primary: EAPE67310P						Secondary: EASE67350P								
EAF25250010	2.5" x 2.5" Straight Outlet	150	4.2	175	5	195	5.5	2.5	63.5	2.5	63.5	8.15	207	14.13	359
EAF25250020	2.5" x 2.5" Straight Outlet (with safety element)	145	4.1	165	4.7	185	5.2	2.5	63.5	2.5	63.5	8.15	207	14.13	359
EAF25259010	2.5" x 2.5" 90 Outlet	138	3.9	157	4.45	176	4.98	2.5	63.5	2.5	63.5	8.15	207	15.13	384.3
EAF25259020	2.5" x 2.5" 90 Outlet (with safety element)	127	3.6	150	4.25	168	4.76	2.5	63.5	2.5	63.5	8.15	207	15.13	384.3
Replacement Elements	Primary: EAPE68315P						Secondary: EASE68355P								

Raincaps

Part No.:
EARC2500

Part No.:
EARC2000

Part No.	Air Inlet ID		Dimensions			
			Width		Height	
	in.	cm	in.	cm	in.	cm
EARC2000	2.0	5.1	5.1	13.0	3.0	7.6
EARC2500	2.5	6.4	6.1	15.5	3.0	7.6

Fuel Dispensing Filtration
Filtration and water separation is critical to efficient diesel, gasoline, and alternative fuel engine operation. Racor Division has become the leader in filtration technology, partnering with engine manufacturers to design and produce innovative systems.

Brochure number #RSL0020.

Filtration Pumps
Racor has raised the bar for fuel filtration systems by offering an extensive line of fuel filters with integrated fuel priming pumps. These assemblies feature all of the protection of a standard Racor filter with the added value and convenience of a fuel pump.

Brochure numbers #7683.

Air Filter/Silencers &
Crankcase Ventilation Filtration Systems
Racor Air Filter/Silencers and Crankcase Ventilation Filtration Systems help to keep marine engines and engine rooms contaminant and vapor free. The patented CCV™ contains Racor's high-performance Vaporbloc™ filter made with depth-loading, engineered fiber-coalescing media. The marine air filter/silencer contains a washable media and is designed to connect easily to the Racor CCV to complete the system.

AFM

CCV™

Brochure numbers #7790 and 7501.

Fluid Transfer Systems
Racor fluid transfer systems make remote, on-demand filtering for contaminant-free fluids fast and convenient. Racor fluid transfer systems can be used to prefilter fluids, transfer fluids or to clean existing systems.

Brochure number #RSL0020.

Parker Filtration's Products and Systems

AEROSPACE

Key Products

- Filter Vessels (API/IP)
- Fluid Conditioning Monitors (Fuel & Hydraulic)
- Fuel Filter/Water Separators
- Fuel Inerting Systems (OBIGGS)
- Fuel Loading Filters (API/IP)
- Fuel, Hydraulic, & Lubrication Filters
- Nitrogen Tire Inflation Systems

FOOD & BEVERAGE

Key Products

- Carbon Dioxide Purifiers
- Compressed Air Dryers
- Fiber & Membrane Filters
- Nitrogen Generators
- Stainless Steel Filter Housings
- Steam & Sterile Air Filters
- Validation Test Equipment
- Water Chillers
- Water Filters

INDUSTRIAL & PLANT EQUIPMENT

Key Products

- ASME Coded Vessels
- Compressed Air Filters
- Condensate Management
- Contamination Monitoring
- Desiccant Dryers
- Membrane Filters & Dryers
- Refrigerated Dryers
- Hydraulic Filters
- Oil/Water Separators
- Process Filters
- Portable Hydraulic Systems

LIFE SCIENCES

Key Products

- Breathing Air Filters & Systems
- Chillers
- Compressed Air Filters
- Filter Integrity Analyzers
- Gas Sterilization Filters
- High Purity Gas Filters
- Hydrogen Gas Generators
- Nitrogen TriGas Systems
- Sterile Water Filters
- Syringe Filters

MARINE

Key Products

- Air Intake Filters
- ASME High Flow Vessels
- Crankcase Emission Filter Systems
- Fuel Dispensing Filters
- Engine Fuel Filter/Water Separators
- Engine Oil & Coolant Filters
- Gasoline Filters
- Hydraulic Filters
- Hydrocarbon Fluid Filters
- Oil/Water Separators
- Submarine CO_2 Reduction Units
- Water Desalination & Purification Systems

OIL & GAS

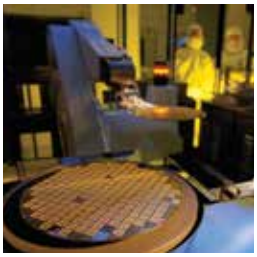
Key Products

- Air Intake Filters
- ASME High Flow Vessels
- Compressed Air Filters & Dryers
- Compressed Air Water Separators
- Crankcase Emission Filter Systems
- Engine Fuel Filter/Water Separators
- Engine Oil & Coolant Filters
- Fluid Condition Monitoring Systems
- Fuel Dispensing Filters
- Hydraulic Filters
- Hydrocarbon Fluid Filters
- Integrity Test Equipment
- Nitrogen Generators
- Mechanical Separators
- Membrane & Sterile Air Filters
- Oil/Water Separators

POWER GENERATION

Key Products

- Air Intake Filters
- ASME High Flow Vessels
- Bioenergy Water Chillers
- Crankcase Emission Filter Systems
- Engine Fuel Filter/Water Separators
- Fluid Condition Monitoring Systems
- Fuel Dispensing Filters
- Load Tap Filters
- Hydrogen Generators
- Magnetic Prefilters
- Nitrogen Generators
- Portable Hydraulic Systems
- Water Sensors



PROCESS

Key Products

- Alternative Gas Dryers & Absorbers
- Bag Filters
- Compressed Air Dryers
- Instrumentation Filters
- Nitrogen Generators
- Oil Absorption Filters
- Pleated Filter Cartridges
- Process Filters
- Semiconductor Filter Cartridges
- Stainless Steel Prefiltration Vessels
- Zero Air Generators

TRANSPORTATION & MOBILE EQUIPMENT

Key Products

- Air Intake Filters
- Alternative Fuel Filters
- ASME High Flow Vessels
- Crankcase Emission Systems
- Fuel Delivery Systems
- Fuel Dispensing Filters
- Fuel Filter/Water Separators
- Multi-stage Filter Systems
- High Pressure Natural Gas Filters
- Nitrogen Tire Inflation Systems
- Suction & Return Line Hydraulic Filters
- Transmission Filters
- Truck & Railway Dryers

WATER

Key Products

- Desalination & Purification Systems
- Oil Absorption Filters
- Oil/Water Separators
- Pleated Filter Cartridges
- Stainless Steel Prefiltration Vessels
- Sterile Water Filters

ENGINEERING YOUR SUCCESS.

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Hydraulic & Fuel Filtration Division
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HVAC Filtration Division
Jeffersonville, Indiana
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Industrial Process Filtration Division
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