

# AFCS Series

## Heavy Duty Dynamic Precleaner



Heavy duty equipment requires heavy duty engine air intake filtration. Racor's AFCS air cleaners are designed and built to meet the requirements for gasoline and diesel powered engines. They are designed for high dust environments with excessive vibration and extreme temperatures. Racor AFCS air cleaners are the economical choice for your heavy duty applications.

Replacing the existing air cleaner with a Racor combination system requires just a few additional inches in length and requires virtually no maintenance. The precleaner is self-powered and self-cleaning, requiring no electrical or exhaust gas power to dispose of the separated particles.



## Contact Information

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## Product Features

- Removes up to 90% of impurities from intake air
- Extends engine air filter life
- Prolongs engine and turbocharger life
- Safety element is standard (most models)
- Steel housing is black powder coated
- Adjustable mounting band is standard
- Restriction indicator port is standard (most models)
- Wide range of applications and flow rates
- High air flow, low differential design
- Reduces down time

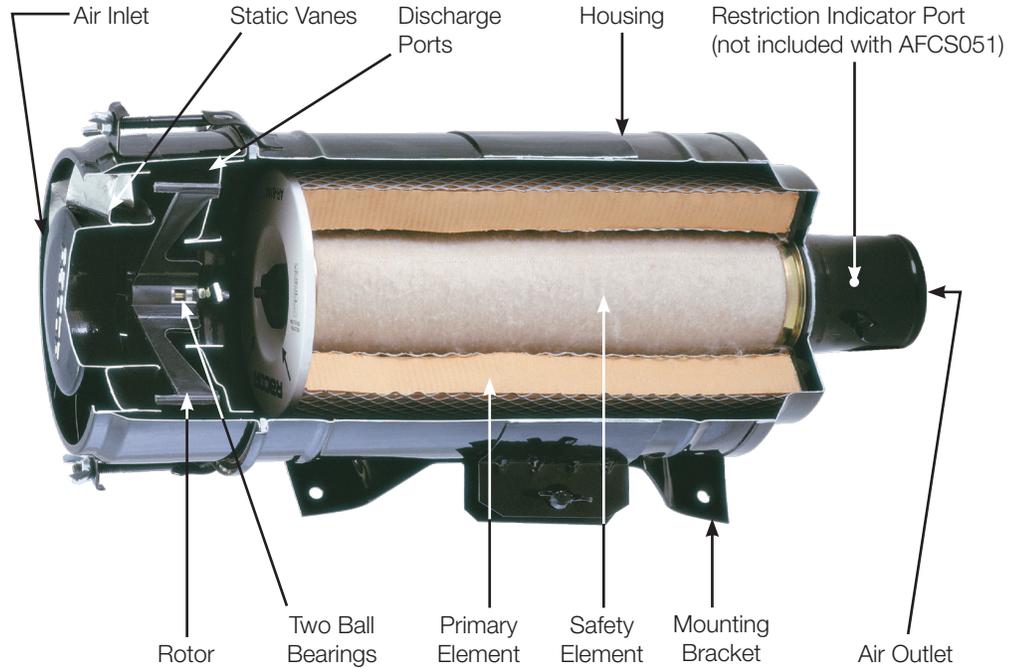


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# How They Work

Air enters the precleaner portion through static vanes causing the air to spin. As the air spins, centrifugal force separates dust, dirt, insects, rain, and snow from the air stream. The swirling air drives a high velocity rotor that acts as a blower, evacuating contaminants through special discharge ports in the side of the assembly. Only purified air flows to the air filter.

Applications include agricultural machinery, earth moving equipment, construction, mining equipment, stationary engines, generator sets, big rig trucks, pick ups, off road vehicles, material handling equipment, snow removal equipment, street sweepers, and any engine from 30 to 260 HP (22 to 194 KW).



# Specifications

Model	Airflow Range	Horsepower Range	Weight	Height	Diameter	Outlet Size	Primary Element	Safety Element
AFCS051	53 to 124 CFM (1.5 to 3.5 m <sup>3</sup> /min)	30 to 70 HP (22 to 52 KW)	8.6 lbs (3.9 kg)	15.0 in. (38.1 cm)	7.4 in. (18.8 cm)	2.5 in. (6.4 cm)	AR6322	N/A
AFCS071	124 to 159 CFM (3.5 to 4.5 m <sup>3</sup> /min)	50 to 70 HP (37 to 52 KW)	10.4 lbs (4.7 kg)	18.9 in. (48.0 cm)	7.4 in. (18.8 cm)	2.5 in. (6.4 cm)	AR6060	AS6121
AFCS081	159 to 212 CFM (4.5 to 6.0 m <sup>3</sup> /min)	70 to 80 HP (52 to 60 KW)	12.7 lbs (5.8 kg)	20.5 in. (52.1 cm)	8.0 in. (20.3 cm)	2.8 in. (7.1 cm)	AR6122	AS6123
AFCS121	212 to 282 CFM (6.0 to 8.0 m <sup>3</sup> /min)	80 to 110 HP (60 to 82 KW)	16.5 lbs (7.5 kg)	22.2 in. (56.4 cm)	9.1 in. (23.1 cm)	3.0 in. (7.6 cm)	AR6144	AS6180
AFCS181	282 to 423 CFM (8.0 to 12.0 m <sup>3</sup> /min)	110 to 150 HP (82 to 112 KW)	20.3 lbs (9.2 kg)	24.3 in. (61.7 cm)	10.0 in. (25.4 cm)	4.0 in. (10.2 cm)	AR6067	AS6159
AFCS221	423 to 529 CFM (12.0 to 15.0 m <sup>3</sup> /min)	150 to 180 HP (112 to 134 KW)	24.2 lbs (11.0 kg)	25.5 in. (64.8 cm)	11.3 in. (28.7 cm)	4.0 in. (10.2 cm)	AR234401	AS6182
AFCS251	529 to 706 CFM (15.0 to 20.0 m <sup>3</sup> /min)	180 to 240 HP (134 to 179 KW)	30.0 lbs (13.6 kg)	27.9 in. (70.9 cm)	13.3 in. (33.8 cm)	5.3 in. (13.5 cm)	AR6277	AS6316
AFCS261	706 to 741 CFM (20.0 to 21.0 m <sup>3</sup> /min)	200 to 260 HP (149 to 194 KW)	31.9 lbs (14.5 kg)	30.7 in. (78.0 cm)	13.3 in. (33.8 cm)	5.1 in. (13.0 cm)	AR246501	AS6220

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