

# Dynamic Engine Air Precleaners – Racor AFAP, AFHP, AFUP, EACP, Spinaire Series | #AFAP415

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Racor Engine Air Precleaners extend engine life and reduce downtime by removing impurities from intake air before it enters the filter. They come available in a variety of configurations for use in any gasoline or diesel engine application.

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## Technical Specifications

**Series:**

AFAP

**Maximum Flow Rate:**247 cfm / 3.5 m<sup>3</sup>/m**Outlet Connection:**

4.0 in / 10.2 cm

**Product Series:**

Dynamic Engine Air Pre-Cleaners

**Brand:**

Racor

**For Fluid Type:**

Engine Air

**Application:**

Heavy Duty On-Highway

**Weight:**

6.3 lb / 2.9 kg

**Height:**

13.7 in / 34.8 cm

**Outside Diameter:**

8.7 in / 22.1 cm

**Materials of Construction:**

Coated Steel

## Item Information

For equipment that operates in dusty environments, plugged filters are a costly problem that can lead to decreased power output and fuel economy, and reduced engine component life. Racor dynamic air precleaners can dramatically extend the life of the air filter (up to 12 times) and reduce overall intake system restriction by removing impurities from intake air before it enters the filter.

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 industrial equipment such as agricultural machinery; earth moving, construction and mining equipment; trucks, buses, and recreational vehicles; pumping plants; generator sets; material handling equipment; snow removal equipment, and street sweepers.

**AFAP Series** – Heavy-duty, off-highway air precleaners are suitable for use with agriculture, earth moving, construction, and mining equipment; as well as pumping plants, generator sets, snow removal equipment, and street sweepers. They are made from coated steel. Air flow rates range from 53 - 1411 cfm (1.5 - 40 m<sup>3</sup>/min) depending on the product selected.

**AFHP Series** – The AFHP Series is a line of heavy-duty, on-highway air precleaners designed for use in all fast-moving mobile equipment applications including trucks, buses and recreational vehicles. They are made from coated steel. Air flow rates range from 53 - 1411 cfm (1.5 - 40 m<sup>3</sup>/min) depending on the product selected.

**AFUP Series** – AFUP Series precleaners are designed for use in on- or off-highway under-hood applications. They are ideally suited for use with agriculture, construction, and stationary engines and are made from coated steel. Air flow rates range from 53 - 988 cfm (1.5 - 28 m<sup>3</sup>/min) depending on the product selected.

**EACP Series** – The EACP Series is a line of precleaners that can be used for on- or off-highway applications. They are made from a lightweight, engineered plastic composite, giving them superior corrosion and UV resistance. The precleaners can be remote-mounted or attached directly to the air cleaner. Air flow rates range from 3 - 1100 cfm (1.5 - 40 m<sup>3</sup>/min) depending on the product selected.

**Spinaire Series** – Spinaire Series air precleaners are designed for on- or off-highway applications. They can be used in agriculture, earth moving, construction, and mining equipment; as well as pumping plants, generator sets, snow removal equipment, and street sweepers. Air flow rates range from 300 - 1850 cfm (1.5 - 28 m<sup>3</sup>/min) depending on the product selected.

For additional assistance selecting a precleaner, consult Racor at [racortech@parker.com](mailto:racortech@parker.com) and/or supplied literature in the Product Support tab. Specification choices can be made in any order depending on the most limiting factor.

How they work:

Air enters the pre-cleaner system through a screen that removes large debris. Air then flows through static vanes causing the air to spin. As the air spins, centrifugal force separates up to 90% of the 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 at the bottom or in the side of the unit. Only purified air flows to the air filters.

Markets:

- Construction
- Agriculture
- Power Generation
- Oil and Gas
- Transportation
- Forestry
- Mining

Applications:

- Gasoline
- Diesel

Benefits:

- Removes 80 – 90% of impurities from intake air before it enters the filter, resulting in increased power output, torque, and fuel economy.
- Reduces downtime, prolongs engine, filter, and turbocharger life
- Precleaners are highly compact and come available in variety of flow rate and mounting options, making them suitable for use with any engine or application.
- Self-cleaning, low maintenance

- Sealed bearings
- High air flow, low-pressure differential designs

— Show Less

## CAD Drawings + Files

No CAD files available



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