

Dynamic Engine Air Precleaners – Racor AFAP, AFHP, AFUP, EACP, Spinaire Series | #AFAP414

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AFAP Dynamic Engine Air Pre-Cleaners clean the intake air before it reaches the filter.

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Technical Specifications

Series:

AFAP

Maximum Flow Rate:

247 cfm / 3.5 m³/m

Outlet Connection:

3.3 in / 8.4 cm

Product Series:

Dynamic Engine Air Pre-Cleaners

Brand:

Racor

For Fluid Type:

Engine Air

Application:

Heavy Duty On-Highway

Weight:

5.8 lb / 2.7 kg

Height:

12.8 in / 32.5 cm

Outside Diameter:

8.7 in / 22.1 cm

Materials of Construction:

Coated Steel

Item Information

Racor AFAP Series Dynamic Engine Air Pre-Cleaners

Racor AFAP Engine Air Pre-Cleaners are designed to be mounted on or connected to the air intake of an air filter housing on gasoline or diesel engines.

AFAP Engine Air Pre-Cleaners are usually installed in place of the rain cap, dust bowl, or aspirated pre-cleaner (exhaust system). In some applications, they can be mounted directly to the air cleaner inlet.

Equipment operated in dusty environments requires more periodic maintenance and they experience more down time. The filter in the air cleaner requires more frequent replacement as the level of airborne dust increases. A plugged filter reduces power, fuel economy, and engine component life. Racor dynamic air pre-cleaners

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.

Consult factory or literature for final determination of part numbers, applications, required air flows and accessories.

AFAP: Heavy duty Off-highway air pre-cleaners are for agriculture, earth moving, construction, and mining equipment; as well as pumping plants, generator sets, snow removal equipment and street sweepers. Material is coated steel. Air flow 53 to 1411 cfm (1.5 to 40 m³/min) depending on product selected.

Benefits of AFAP Dynamic Engine Air Pre-Cleaners:

- Easy to install. Plastic outlet reduction sleeves are provided with each assembly
- Pre-Cleaners remove up to 90% of air contamination before air enters the filter
- Reduces down-time, prolongs engine, air filter, and turbocharger life
- Saves on fuel costs
- High air flow, low pressure differential design
- Self Cleaning, low maintenance
- Sealed bearings

Applications Include:

- Earth moving, construction, and mining equipment
- Pumping plants
- Stationary engines and generator sets
- Agricultural equipment
- Snow removal equipment
- Street sweepers

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