

# Dynamic Engine Air Precleaners – Racor AFAP, AFHP, AFUP, EACP, Spinaire Series | #AFUP021

 [View Series Page](#)



## Local Contact

### Parker Sales Company UK

Tachbrook Park Drive

Tachbrook Park

Warwick

United Kingdom

CV34 6TU

### Phone

+44 (0)1926 317878

Get your Parker account Today!

Create one account to manage everything you do with Parker, from your shopping preferences to your application access.



Register now



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

[Share / Email](#)

## Technical Specifications

**Series:**

AFUP

**Maximum Flow Rate:**

282 cfm / 8.0 m<sup>3</sup>/m

**Outlet Connection:**

3.3 in / 8.4 cm

**Product Series:**

Dynamic Engine Air Pre-Cleaners

**Brand:**

Racor

**For Fluid Type:**

Engine Air

**Application:**

On/Off-Highway

**Weight:**

3.5 lb / 1.6 kg

**Height:**

5.8 in / 14.7 cm

**Outside Diameter:**

7.9 in / 20.1 cm

**Materials of Construction:**

Coated Steel

## Item Information

Racor AFUP Series Dynamic Engine Air Pre-Cleaners

Racor AFUP 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.

AFUP 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. Plastic outlet reduction sleeves are provided with each assembly (except part number AFUP006).

AFUP: On or Off-highway air pre-cleaners for under-hood applications. Applications include agriculture, construction, and stationary engines. Material is coated steel. Air flow 53 to 988 cfm (1.5 to 28 m<sup>3</sup>/min) depending on product selected.

Benefits of AFUP Dynamic Engine Air Pre-Cleaners:

- Easy to install. No exterior vehicle modifications for intake air
- Plastic outlet reduction sleeves are provided with each assembly (except for part number AFUP006)
- AFUP Pre-Cleaners remove up to 80% 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:

- Agricultural and construction equipment
- Trucks, buses and recreational vehicles
- Material handling equipment
- Street sweepers

— Show Less

## CAD Drawings + Files

No CAD files available



+44 (0)1926 317878

+ Company Information  
[parker.uk@parker.com](mailto:parker.uk@parker.com)

+ Global Operations

+ Help & Support

+ Follow Us :

© PARKER HANNIFIN CORP 2023

**ENGINEERING YOUR SUCCESS.**

[SITE MAP](#) [SAFETY](#) [PRIVACY POLICIES](#) [TERMS AND CONDITIONS](#)