



Single and Dual Stage Self-Cleaning Precleaners

REAL™ Protection in the Dirtiest Environments

AIR



REAL™ Protection.

Safeguard Your Equipment and Your Bottom Line

Air filter life is directly related to the amount of debris ingested through an engine's air intake. Installing a Fleetguard® Self-Cleaning Precleaner as the first stage of an air intake system prevents the majority of heavier-than-air particles from entering the system. This results in longer air filter life, more efficient engine performance and decreased maintenance expenses.

Benefits

- Extends air filter life – Handles all kinds of mixed debris, including mud, snow, rain, leaves, sawdust, chaff, and dust
- Increases uptime – Lowers cost per operating hour by reducing parts, labor, and downtime
- Extends engine life – Lowers air restriction, which increases usable horsepower
- Withstands harsh conditions – Rugged engineered polymer construction gives you the strength of steel without the corrosion
- Expands capacity – Multiple units can be installed to meet air flow handling requirements
- Improves fuel efficiency

Fleetguard Self-Cleaning Precleaners protect your equipment and your bottom line. Available in single or dual stages, you can pick the level of protection you need, no matter the environment.



Single Stage

Air Flow Range: 10 - 1,800 CFM with single unit installation; 8 models from 2" to 8" (51mm to 203 mm)



Mounting & Equipment Types: Mounts on all vertical and horizontal air cleaner housings, on all machines, replacing those with tube body systems or internal precleaners

Maintenance: Self-cleaning and maintenance-free

Applications: Off-road conditions, construction, mining, forestry, landfills, farming, military and more

Dual Stage

Air Flow Range: 400 - 1,800 CFM with single unit installation; 2 sizes: 6" and 8" (152 mm to 203 mm)



Mounting: Requires engine exhaust scavenging connection

Maintenance: Removable cover for easy access to inspect and clean, if necessary

Applications: Waste, Mining and Forestry

Elevation: Sea level to 10,000 feet

REAL™ Technology.

Maximum Protection with Minimum Maintenance

How the Fleetguard® Precleaner Works

Single Stage

Step 1

Air enters the underside of the dome through screened louvers. This prevents clogging by blocking any particles larger than the ejection slot from entering the unit.

Step 2

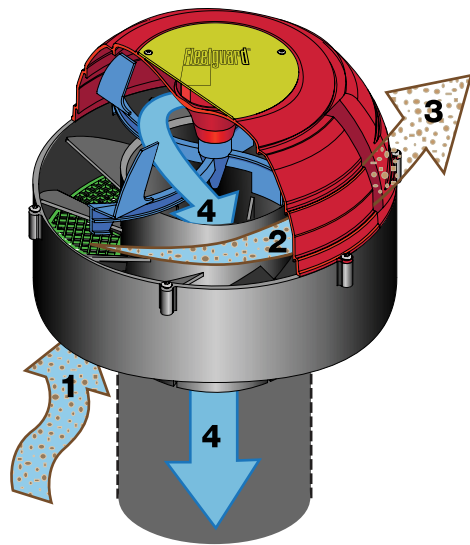
Curved particle-accelerator blades direct air and dirt up against the sidewall.

Step 3

Strakes (angled fins) along the interior surface move heavier-than-air debris towards the ejection slot.

Step 4

Clean air continues to swirl down into the engine air inlet pipe.



Dual Stage

Step 5

Precleaned air with any remaining debris swirls into the second stage. Heavier-than-air debris is forced outward to travel around the outside walls.

Step 6

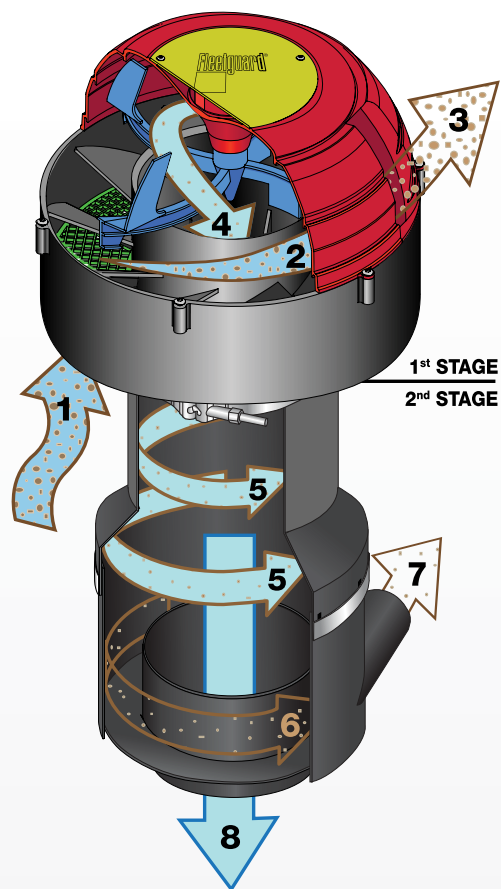
When the debris laden air reaches the bottom tray, heavier-than-air debris is channeled toward the ejection port.

Step 7

Debris is ejected through the exhaust scavenging connection.

Step 8

Clean air passes through the center area of the chamber and into the engine's air inlet pipe.



REAL™ Options.

Choose the Best Size and Airflow for Your Equipment

Single Stage Air Precleaners

Fleetguard Part #	CFM Range	m ³ /min	Intake
AP8407	10-50	0.28-1.42	2" (51 mm)
AP8408	50-120	0.42-3.40	3" (76 mm)
AP8403	100-350	2.83-9.91	4" (102 mm)
AP8409	350-425	9.91-12.03	4" (102 mm)
AP8404	400-675	11.33-19.11	6" (152 mm)
AP8410	650-825	18.41-23.36	6" (152 mm)
AP8405	800-1300	22.65-36.81	8" (203 mm)
AP8406	1300-1800	36.81-50.97	8" (203 mm)

Dual Stage Air Precleaners*

Fleetguard Part #	Stage 1 Part #	CFM Range	m ³ /min	Intake
AP85041	AP8404	400-675	11.33-19.11	6" (152 mm)
AP85042	AP8404	400-675	11.33-19.11	6" (152 mm)
AP85043	AP8404	400-675	11.33-19.11	6" (152 mm)
AP85044	AP8404	400-675	11.33-19.11	6" (152 mm)
AP85046	AP8404	400-675	11.33-19.11	6" (152 mm)
AP85047	AP8404	400-675	11.33-19.11	6" (152 mm)
AP85101	AP8410	650-825	18.41-23.36	6" (152 mm)
AP85102	AP8410	650-825	18.41-23.36	6" (152 mm)
AP85104	AP8410	650-825	18.41-23.36	6" (152 mm)
AP85105	AP8410	650-825	18.41-23.36	6" (152 mm)
AP85051	AP8405	800-1300	22.65-36.81	8" (203 mm)
AP85052	AP8405	800-1300	22.65-36.81	8" (203 mm)
AP85053	AP8405	800-1300	22.65-36.81	8" (203 mm)
AP85054	AP8405	800-1300	22.65-36.81	8" (203 mm)
AP85055	AP8405	800-1300	22.65-36.81	8" (203 mm)
AP85057	AP8405	800-1300	22.65-36.81	8" (203 mm)
AP85058	AP8405	800-1300	22.65-36.81	8" (203 mm)
AP85152	AP8405	800-1300	22.65-36.81	8" (203 mm)
AP85154	AP8405	800-1300	22.65-36.81	8" (203 mm)
AP85163	AP8405	800-1300	22.65-36.81	8" (203 mm)
AP85061	AP8406	1300-1800	36.81-50.97	8" (203 mm)
AP85062	AP8406	1300-1800	36.81-50.97	8" (203 mm)
AP85063	AP8406	1300-1800	36.81-50.97	8" (203 mm)
AP85064	AP8406	1300-1800	36.81-50.97	8" (203 mm)

* Dual Stage precleaners are for use only on machines equipped with an exhaust scavenger.

To learn more, see the Technical Information Catalog (LT32599) or the Fleetguard Product Guide (LT19457).



Filtration

For more information, visit
cumminsfiltration.com

LT15595-AU – Rev 1
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