



Single and Dual Stage Self-Cleaning Precleaners

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.

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

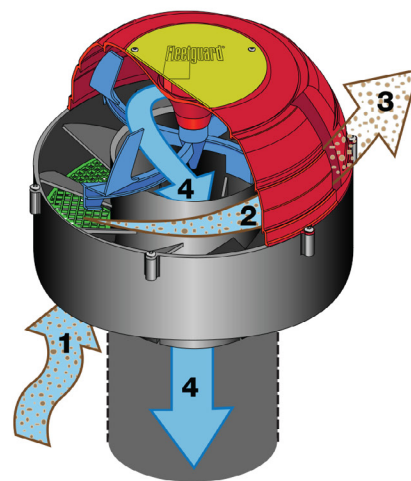
Curved particle-accelerator blades direct air and dirt up against the sidewall.

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

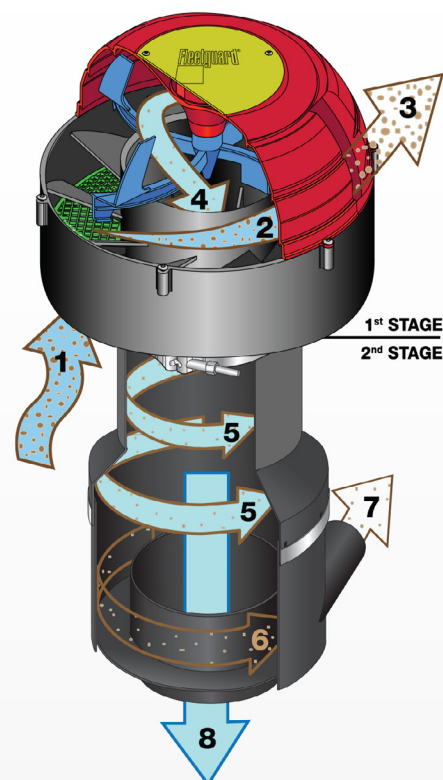
When the debris laden air reaches the bottom tray, heavier-than-air debris is channeled toward the ejection port.

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.



Choose the Best Size and Airflow for Your Equipment.

Single-Stage

Part Number	Outlet OD in (mm)	Width in (mm)	Height in (mm)	Flow Rate	
				CFM	m ³ /min
AP8407	2 (50.8)	4.5 (114.3)	3 (76.2)	10 - 50	0.28 - 1.42
AP8408	3 (76.2)	6.7 (170.18)	4.2 (106.68)	50 - 120	1.42 - 3.40
AP8403	4 (101.6)	8.5 (215.9)	6.28 (159.51)	100 - 275	2.83 - 7.79
AP8409	4 (101.6)	8.5 (215.9)	6.28 (159.51)	275 - 350	7.79 - 9.91
AP8421	5 (127.0)	10.6 (270)	7.9 (201)	350-500	9.91 - 14.16
AP8404	6 (152.4)	13.1 (332.74)	11.1 (281.94)	500 - 650	14.16 - 18.41
AP8410	6 (152.4)	13.1 (332.74)	11.1 (281.94)	650 - 800	18.41 - 22.65
AP8405	8 (203.2)	18 (457.2)	14.44 (366.776)	800 - 1150	22.65 - 32.56
AP8406	8 (203.2)	18 (457.2)	14.44 (366.776)	1150 - 1400	32.56 - 39.64

Dual-Stage

Fleetguard PN	Stage 1 PN	Stage 2 Inlet Diameter (inches)	Landfill Screen	Aspiration Tube and Check Valve	Ejector Port Angle (Degrees)	Mounting Flange Description	Purposed Application
AP85041	AP8404	6	X	X	--	--	CAT D6R and D6H
AP85042		6	X	X	--	--	CAT D7R and D7H
AP85043		6			--	Upper	Universal
AP85044		6			--	Lower	Universal
AP85046		6	X		--	Lower	Universal
AP85047		6	X		--	Upper	Universal
AP85101	AP8410	6			0.0	Upper	Universal
AP85102		6			15.0	Lower	Universal
AP85104		6	X		0.0	--	Universal
AP85105		6	X		15.0	Lower	Universal
AP85051	AP8405	7	X	X	20.0	--	CAT D8R and D8H
AP85052		7			32.5	Upper	Universal
AP85053		7	X	X	0.0	--	CAT D9R and D9N
AP85054		7			15.0	Lower	Universal
AP85055		7	X		32.5	Upper, Dual Stage	CAT 826G
AP85057		7	X		15.0	Lower	Universal
AP85058		7	X		32.5	Upper	Universal
AP85152		6	X	X	50.0	--	CAT D8N
AP85154		13	X		0.0	Lower, V-Clamp	CAT 836G
AP85163	AP8406	7	X		15.0	Lower	Universal
AP85061		7	X	X	15.0	--	CAT 836G
AP85062		7	X		32.5	Upper	Universal
AP85063		7			32.5	Upper	Universal
AP85064		7			15.0	Lower	Universal

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