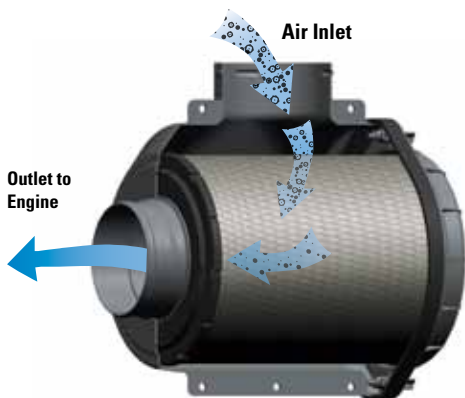


What's the Difference Between a Single-Stage and a Two-Stage Air Cleaner?

Air cleaners are defined into two types based on the stages the air and contaminant flow through in the assembly. These types of air cleaners are considered single-stage and two-stage.



Single-Stage Air Cleaners

A single-stage air cleaner filters contaminant from the air through a primary filter without the use of a pre-cleaner. In single-stage air cleaners, the contaminated air enters the air cleaner at the inlet and flows directly to the primary filter. At this point, the contaminant is filtered out by the media and the single-stage filtration is completed. Single-stage air cleaners are typically used in light dust environments such as in on-highway applications.

Shoptalk

TRUCKING

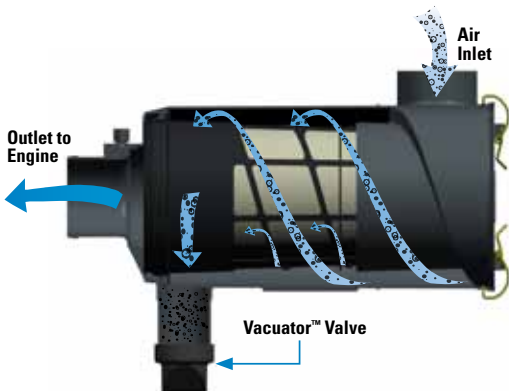


MINING



CONSTRUCTION





Two-Stage Air Cleaners

A two-stage air cleaner uses both a pre-cleaner and a filter to remove dust from intake air. The contaminated air is first sent through a pre-cleaner, which is considered the first stage. The pre-cleaner will remove 75-98% of the contaminant from the air. Pre-cleaners can be a separate add-on accessory or built into the air cleaner. Once the air is pre-cleaned, the air is sent to the primary filter where the contaminant is filtered out by the media completing the second stage. Two-stage air cleaners are typically used in medium to heavy-dust environments such as construction and mining.

Donaldson Engine Air Cleaners & Pre-Cleaners

Single-Stage Air Cleaners

Light Dust - E Series

DuraLite™ ECB, ECC

ECD, EPG, ERA, EBB

EBA Konepac™

ECG Konepac™

Pre-Cleaners

TopSpin™

Full-View

Two-Stage Air Cleaners

PowerCore® PSD Series

(Light to Medium Dust)

Medium Dust - F Series

FKB (Light to Medium Dust)

XRБ, FPG, FRG, FVG Cycloflow™

Heavy Dust - S Series

SSG Donaclone™, STG Donaclone™

SRG Donaclone™, STB Strata™

More information on engine air cleaners is available online at <http://www.donaldson.com/en/engine/support/datalibrary/061238.pdf>

Shoptalk



Donaldson

Donaldson Company, Inc.

US Toll free: 866-759-4015

Phone: 952-887-3699

www.shoptalk.donaldson.com