

## Mounted Underhood Two-Stage Filtration for Large Construction & Mining Machines

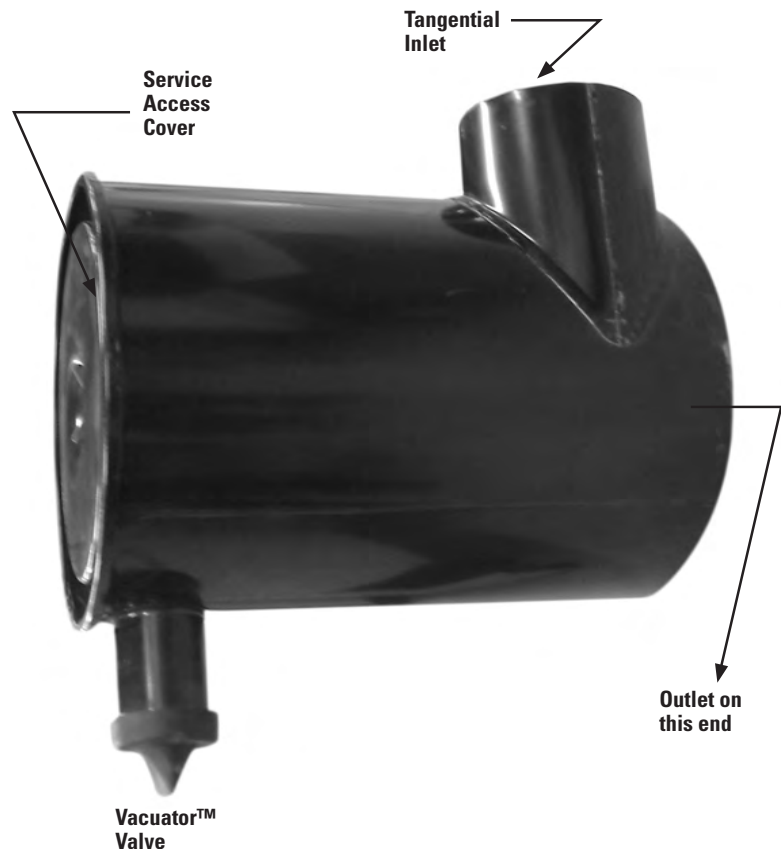
The FTG Cycloflow™ Air Cleaner is a two-stage air cleaner with built-in Pre-Cleaner and Axial Seal Sealing Technology. The air cleaner is mounted underhood with the service cover on the outside and an optional inlet hood on top.

### Applications

- Allows 32-59 m<sup>3</sup>/min. airflow throughput per air cleaner
- Horizontal installation
- Designed for large industrial and construction machines: crawler tractors, crane loaders, excavators and air compressors with large engines operating in severe dust environments
- Sustained temperature tolerance: to 82°C

### Air Cleaner Features

- Unique, flared inlet allows maximum airflow with low restriction
- 21" body diameters
- Two-stage air cleaning deals with very dusty environment:
  - (1) Built-in louver spins air to separate up to 85% of incoming dust before it reaches the filter
  - (2) Primary filter removes up to 99.99% of the remaining dust
- Built-in Vacuator™ Valve collects and releases pre-cleaned dust
- Safety filter on all models protects engine inlet during filter changeout
- Housing is metal and coated with a corrosion and chemical resistant polymer paint
- Indicator thread size = 1/8-27NPT (MALE)



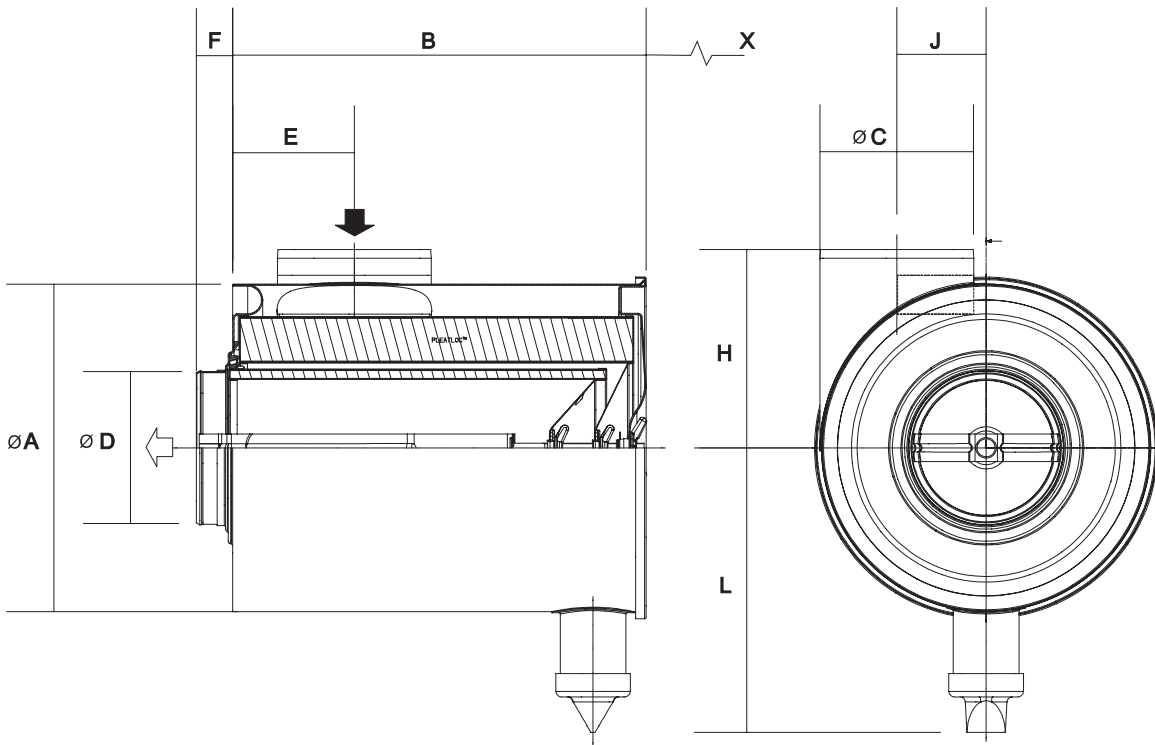
### Filter Features

Replacement filter choices include an extended service, high efficiency filter for restriction maintenance, and a standard life filter for scheduled maintenance

### Accessories

- Each FTG is tapped to accept a filter service indicator
- Order mounting bands, hoods, and other accessories separately

## FTG Cycloflow™ Specifications - Service Parts



Air Cleaner Model No.	Airflow Range m <sup>3</sup> /min.	Dimensions (mm)									
		A	B	C	D	E	F	H	J	L	X°
G210007**	32 - 59	546	613	254	254	150	90	330	146	442	613
G210010*	32 - 59	546	613	254	254	150	90	330	146	442	613

" Inlet on opposite side      \* Includes safety element  
 X° Free space needed to remove main element

Air Cleaner Model No.	Main Element	Safety Element	Service Parts					Mounting band*
			Vacuator™ valve	Wing Nut	Gasket Washer	Raincap		
G210007	P182040	P117781	P105220	P116175	P105740	H770082	H770068	
G210010	P182040	P117781	P105220	P116175	P105740	H770082	H770068	

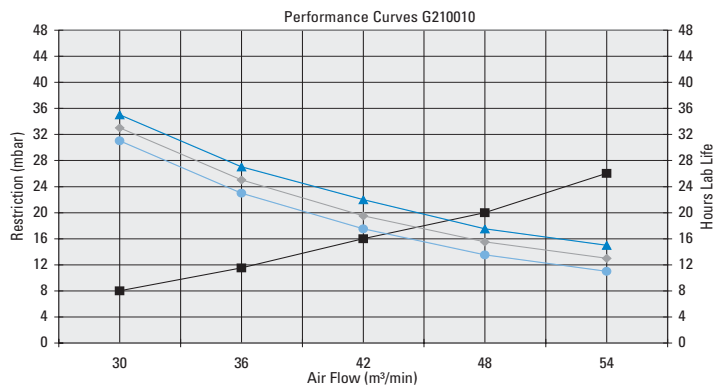
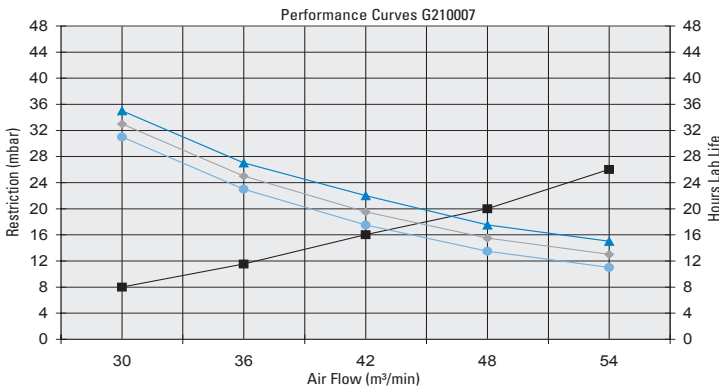
\* Two mounting bands needed per Air Cleaner

Medium Dust Conditions

## When specifying an Air Cleaner...

Determine the Airflow Requirements of your engine, then find the corresponding m<sup>3</sup>/min. airflow in the charts below. The restriction numbers - shown in mbar at the left side of the chart - indicate the approximate initial restriction of each model air cleaner at that m<sup>3</sup>/min. When calculating total initial restriction of the entire air intake system, include the restriction caused by ducting, elbows, pre-cleaners, etc. The estimated lab life hours are indicated at the right side of the chart.

## FTG Cycloflow™ Performance Curves

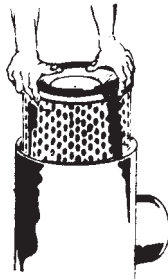


Restr. A/c Piezo    
  LL50mbar    
  LL62mbar    
  LL75mbar

All performance curves are according ISO 5011 standards - Restriction measured at Piezo  
 All tests are done with ISO Coarse at Dust Concentration of 1g/m<sup>3</sup>

## 1 Remove the old filter gently

"Baby" that dirty filter, until you get it clear of the housing. Accidentally bumping it while still inside means dropped dirt and dust that will contaminate the clean side of your filter housing, before the new filter element has a chance to do its job.



## 2 Always clean the inside of the housing carefully

Dirt left in the air cleaner housing spells death for your engine. Use a clean, damp cloth to wipe every surface clean. Check it visually to make sure it's clean before putting in a new filter.



## 3 Always clean the gasket sealing surfaces

An improper gasket seal is one of the most common causes of engine contamination. Make sure that all hardened dirt ridges are completely removed, both on the bottom and top of the air cleaner housing.



## 4 Check for uneven dirt patterns

Your old filter has valuable clues to dust leakage or gasket sealing problems. A pattern on the filter clean side is a sign that the old filter was not firmly sealed or that a dust leak exists. Identify the cause of that leak and rectify it before installing a new filter.



## 5 Press your fresh gasket to see that it springs back

Make sure your new filter is made with a highly compressible gasket that springs back (promptly) when finger pressure is released. A high quality gasket is one of the most important parts of the filter.



## 6 Make sure the gasket seats evenly

If you don't feel the gasket seating evenly for a perfect seal, you don't have protection. Re-check to see if the sealing surface in the housing is clean, and ensure that the filter is the correct model. It may be the wrong size for the housing.



## 7 Ensure air-tight fit on all connections and ducts

Check that all clamps and flange joints are tight, as well as the air cleaner mounting bolts. Seal any leaks immediately - leaks mean dirt is directly entering your engine.

