



Horizontal Mount, Integral Vacuator™ Valve

Severe Duty, Two-Stage Filtration for Large Construction & Mining Machines

Applications

- Allows up to 1200 cfm 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

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 primary filter change out
- Housing is metal and coated with a corrosion and chemical resistant polymer paint

Filter Features

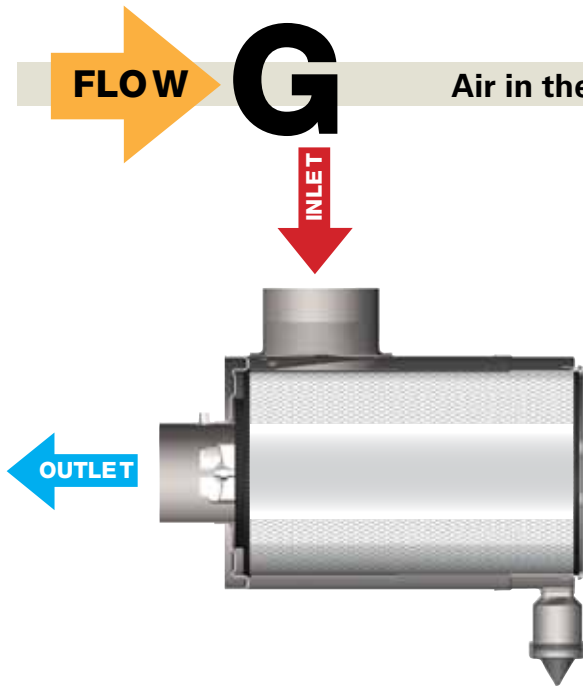
- Replacement filter choices include an extended service, high efficiency filter for restriction maintenance, or a standard life filter for scheduled maintenance

Accessories

- See the Accessories section for details on Donaldson air intake add-ons that can enhance the performance of your system
- Each FVG is tapped to accept a filter service indicator
- Order mounting bands, hoods, and other accessories separately



FVG air cleaners are used in tandem on this underground mining equipment to double the airflow throughput to the engine.



Air in the Side, Out the End (standard flow filters)

When Selecting an Air Cleaner . . .

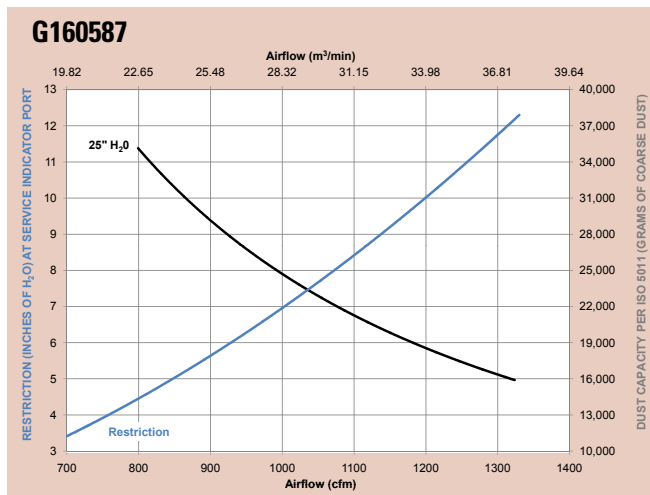
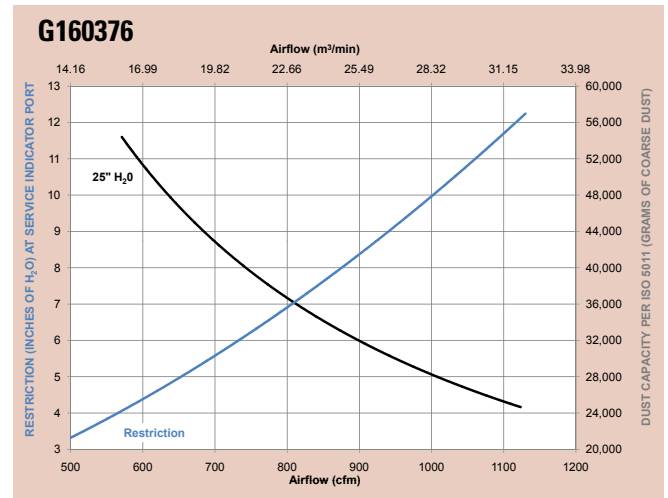
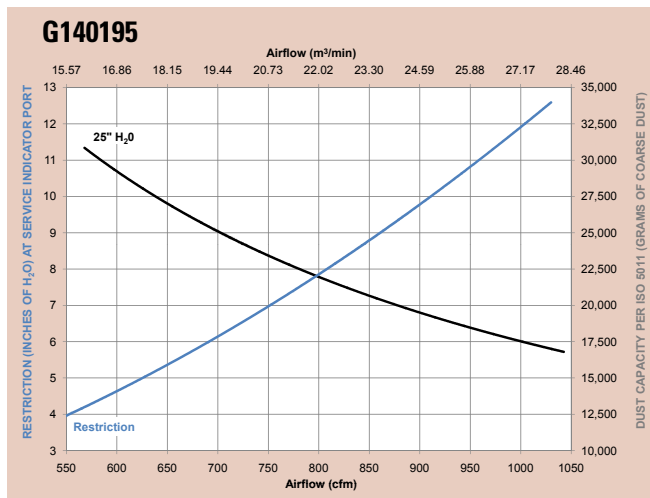
Determine the airflow requirements of your engine, then find the corresponding cfm airflow in the table at right. The restriction numbers (shown in inches of water) indicate the approximate initial restriction of each model air cleaner at that cfm. If there are two air cleaner models that fit your parameters, choosing the one with the lowest restriction will provide longest filter service life. When calculating total initial restriction of the entire air intake system, include the restriction caused by ducting, elbows, and pre-cleaners.

Initial Airflow Restriction

6"	CFM @ "H ₂ O		Air Cleaner Model
	8"	10"	
690	810	910	G140195
730	880	1000	G160376
930	1070	1200	G160587

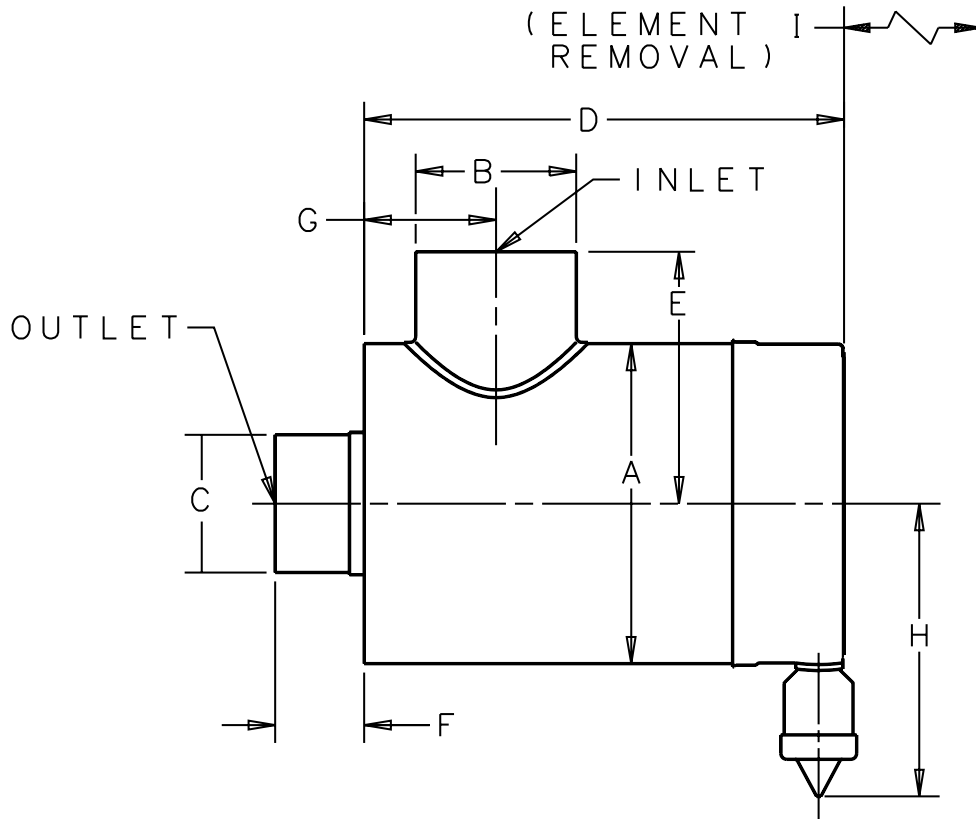
Looking for a different air cleaner with newer Donaldson technologies, check out the FRG Air Cleaners, there are models that cover this airflow range.

FVG Air Cleaner Performance Curves (Restriction & Dust Capacity)





FVG Cycloflow™ Specification Illustration

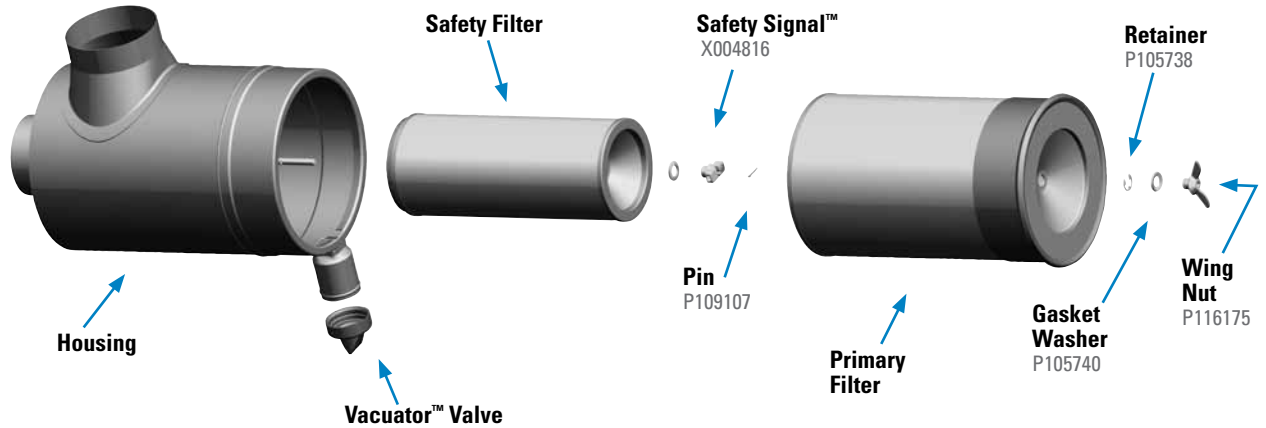


FVG Specifications

Air Cleaner Models	Body Diameter (A)		Inlet Diameter (B)		Outlet Diameter (C)		Length (D)		Inlet Length (F)		Inlet Length (G)		Service Clearance (I)		Weight					
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg				
G140195	13.95	354	7.00	178	6.00	152	20.87	530	10.98	279	3.88	99	5.75	146	12.71	323	20.72	526	48	22
G160376	16.00	406	7.00	178	7.00	178	20.87	530	13.00	330	3.88	99	5.28	134	13.80	351	20.72	526	62	28
G160587	16.00	406	7.00	178	7.00	178	24.87	632	13.00	330	3.88	99	5.75	146	13.80	351	24.50	622	66	30

For FVG air cleaner service servicing information see pages 118-119.

FVG Exploded View



FVG Service Parts & Accessories

G140195 FVG

Elbow, 45°	P105547
Elbow, 90°	P105535
Filter, primary	P1820433
Filter, primary - ES & HE.....	EAF5043
Filter, primary - SM	P181043
Filter, safety.....	P124860
Gasket washer.....	P105740
Hump hose	P105612
Informer™ indicator 25" H2O	X002277
Inlet hood, metal.....	H000339
Inlet hood, plastic.....	H000607
Mounting band	H0003502
Mounting bands, metal	H000350
Outlet band clamp.....	P148347
Pin	P109107
Retainer	P105738
SafetySignal indicator.....	X004816
Vacuator™ Valve.....	P103198
Wing nut	P116175

G160376 FVG

Elbow, 45°	P105548
Elbow, 90°	P105536
Filter, primary	P124867
Filter, safety.....	P124866
Gasket washer.....	P105740
Hump hose	P105613
Informer™ indicator 25" H2O	X002277
Inlet hood, metal.....	H000339
Inlet hood, plastic.....	H000607
Mounting band	H0003512
Outlet band clamp.....	P148348
Pin	P109107
Retainer	P105738
SafetySignal indicator.....	X004816
Vacuator™ Valve.....	P103198
Wing nut	P116175

G160587 FVG

Elbow, 45°	P105548
Elbow, 90°	P105536
Filter, primary	P1820493
Filter, primary - ES & HE.....	EAF5049
Filter, primary - SM	P181049
Filter, safety.....	P116446
Gasket washer.....	P105740
Hump hose	P105613
Informer™ indicator 25" H2O	X002277
Inlet hood, metal.....	H000339
Inlet hood, plastic.....	H000607
Mounting band	H0003512
Mounting bands, metal	H000351
Outlet band clamp.....	P148348
Pin	P109107
Retainer	P105738
Vacuator™ Valve.....	P105220
Wing nut	P116175

NOTES:

- 2 = Two required for proper installation
- 3 = Shipped with air cleaner initially

ES =Extended Service
HE =High Efficiency
SM=Scheduled Maintenance