



## Durable, Corrosion-Free Air Cleaner

### Improved Reliability, Superior Engine Protection, Easiest Serviceability

The EPG air cleaner series, which incorporates Donaldson RadialSeal™ Sealing Technology, offers improved reliability and durability, reduced weight and costs, and better serviceability.

EPG air cleaners: conquer underhood space limitations; are corrosion-free and lighter in weight than traditional metal units; are more sturdy than ever before; and have a reliable, easy-to-service design.

The filter inside the air cleaner is also quite different from filters with metal end caps. The one-piece molded end caps encase the ends of the media and filter liners. The filter fits over the housing outlet tube, creating a reliable seal — without the hassle of separate sealing gaskets.

Of the six models, three include a primary filter and three include a primary and safety filter.



*Whether you are going to service by miles, hours or restriction, keep accurate maintenance records and log or track your filter changes.*



*This EPG RadialSeal™ Air Cleaner is part of a complete Donaldson intake system. The entire engine air intake system is made of molded plastic. Between the intake scoop and the air cleaner are Donaldson Strata™ tubes, which provide pre-cleaning. Particulate from this stage is scavenged off and out through the exhaust system. In this system, the EPG air cleaner provides the second stage of cleaning.*



*The EPG Air Cleaner, which fits neatly under the hood, has RadialSeal™ Sealing Technology that delivers a reliable seal in rugged environments and quick filter change-out.*

## Provides up to 1325 cfm Airflow per Air Cleaner

### Applications

- Provides up to 1325 cfm airflow per air cleaner — double airflow to engine by using two units
- Horizontal or vertical installation

### Ideal for

- On-highway vehicles
- Marine and offshore equipment
- Light construction vehicles
- Agricultural vehicles
- Compressors and generator sets

### Air Cleaner Features

- Durable plastic housing is corrosion-free and weighs less than metal air cleaners
- Very few service parts. Easy to service.
- No mounting bands required. Installs securely via molded-in mounting flange(s) with pre-drilled holes on the side of the housing.
- Available in three body diameters: 11" (279mm), 13" (330mm), 15" (381mm)
- Temperature tolerances:  
11" (279mm) dia: -40 °F to 220°F (-40 °C to 104 °C)  
13" (330mm) 15" (381mm) dia: -40 °F to 200 °F (-40 °C to 93 °C)

### Filter Features

- RadialSeal™ Sealing Technology ensures reliability, is easy to service and makes the filter self-centering, self-aligning and self-sealing
- All models can accommodate safety filter
- Donaldson Endurance™ extended service and high efficiency filters — which capture sub-micron contaminant such as soot and carbon — are available for some models (see service parts listing on page 55)

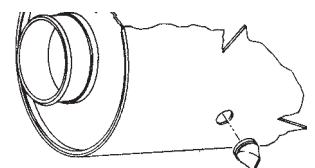


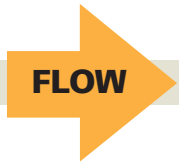
### The Better Alternative to Drain Holes

The Donaldson Vacuator™ Valve is an optional accessory for the EPG that expels water from the air cleaner **before** any reaches the filter — thereby extending filter life. Bare drain holes can clog or take in back splash, but the Vacuator™ Valve never does. The P525956 is a 1" (25mm) diameter model designed for over-highway applications.

### Installation is fast and easy:

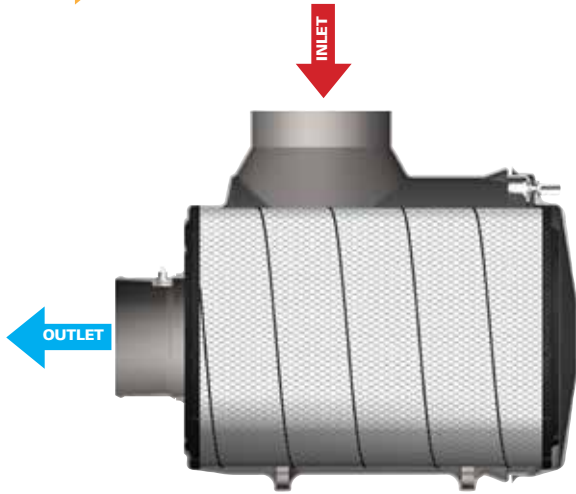
1. Locate the lowest point of the air cleaner to allow proper drainage through Vacuator Valve.
2. Remove filter(s) before drilling.
3. Drill a 1" (25mm) hole centered at the lowest point of the air cleaner as shown in illustration. Remove debris from drilling.
4. Install Vacuator Valve (P525956) by pushing it into the hole.
5. Reinstall filter(s), reattach cover.





# G

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

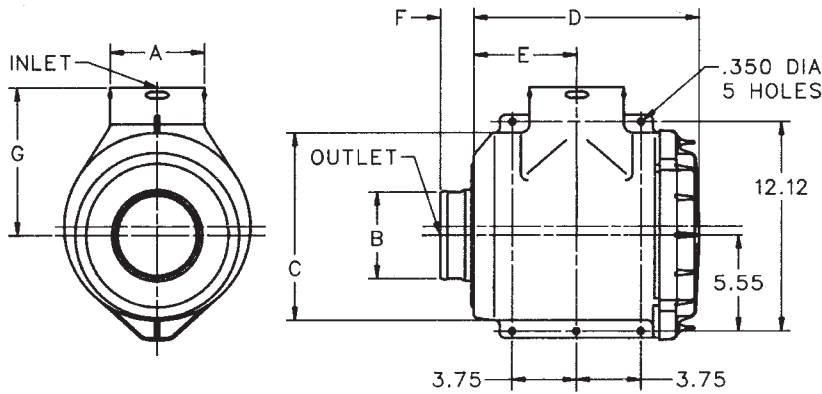


### Initial Airflow Restriction

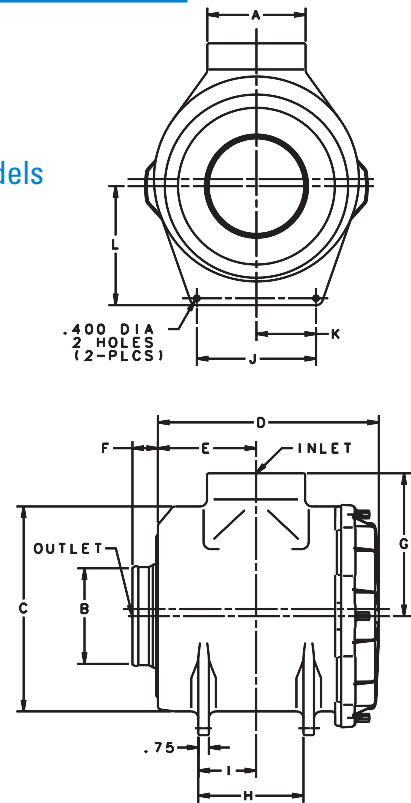
Airflow	Air Cleaner Model
<b>MODELS WITH PRIMARY &amp; SAFETY FILTER</b>	
450 cfm @ 5.5" H <sub>2</sub> O	G110120
650 cfm @ 6" H <sub>2</sub> O	G130089
800 cfm @ 5.5" H <sub>2</sub> O	G150049
<b>MODELS WITH PRIMARY FILTER</b>	
625 cfm @ 5.5" H <sub>2</sub> O	G110119
950 cfm @ 10" H <sub>2</sub> O	G130079
1325 cfm @ 8" H <sub>2</sub> O	G150048

## EPG Specification Illustrations

### 11" Models



### 13" & 15" Models



## EPG Specifications

Air Cleaner Model	Body Dia. (C)	Inlet Dia. (A)	Outlet Dia. (B)	Length (D)	(G)	Outlet Length (F)	(E)	(H)	(I)	(J)	(K)	(L)
G110119	10.86" 276mm	5.50" 140mm	5.00" 127mm	12.89" 327mm	8.56" 217mm	1.95" 50mm	6.00" 152mm	See drawing above for dimensions on 11" models				
G110120	10.86" 276mm	5.50" 140mm	5.00" 127mm	12.89" 327mm	8.56" 217mm	1.95" 50mm	6.00" 152mm	See drawing above for dimensions on 11" models				
G130079	12.62" 321mm	6.00" 152mm	5.00" 127mm	16.02" 407mm	9.51" 242mm	3.00" 76mm	5.66" 144mm	7.75" 197mm	2.00" 51mm	8.00" 203mm	4.00" 102mm	6.00" 152mm
G130089	12.62" 321mm	6.00" 152mm	5.00" 127mm	16.02" 407mm	9.51" 242mm	3.00" 76mm	5.66" 144mm	7.75" 197mm	2.00" 51mm	8.00" 203mm	4.00" 102mm	6.00" 152mm
G150048	14.62" 371mm	7.00" 178mm	7.00" 178mm	15.75" 400mm	10.19" 259mm	1.82" 46mm	7.00" 178mm	7.50" 191mm	4.12" 105mm	8.50" 216mm	4.25" 108mm	8.00" 203mm
G150049	14.62" 371mm	7.00" 178mm	7.00" 178mm	15.75" 400mm	10.19" 259mm	1.82" 46mm	7.00" 178mm	7.50" 191mm	4.12" 105mm	8.50" 216mm	4.25" 108mm	8.00" 203mm

## EPG Service Parts & Accessories

### G110119 EPG

Cover.....	P529151
Elbow, 45°.....	P109021
Elbow, 90°.....	P107844
Elbow, 90° reducing.....	P143895
Fastener kit.....	X006452
Filter, primary - ES & HE.....	EAF5067
Filter, primary - SM.....	P527484 .....3
Filter, safety.....	P527680 .....4
Hump hose.....	P105610
Informer™ indicator 25" H <sub>2</sub> O.....	X002277
Inlet hood, plastic.....	H000604
Outlet band clamp.....	P148345
Thumb screw.....	P527435
Vacuator™ Valve.....	P525956

### G110120 EPG

Cover.....	P529151
Elbow, 45°.....	P109021
Elbow, 90°.....	P107844
Elbow, 90° reducing.....	P143895
Fastener kit.....	X006452
Filter, primary - ES & HE.....	EAF5067
Filter, primary - SM.....	P527484 .....3
Filter, safety.....	P527680 .....3
Hump hose.....	P105610
Informer™ indicator 25" H <sub>2</sub> O.....	X002277
Inlet hood, plastic.....	H000604
Outlet band clamp.....	P148345
Thumb screw.....	P527435
Vacuator™ Valve.....	P525956

### G130079 EPG

Cover.....	P533916
Elbow, 45°.....	P109021
Elbow, 90°.....	P107844
Elbow, 90° reducing.....	P143895
Fastener kit.....	X006452
Filter, primary - SM.....	P533930 .....3
Filter, primary - ES & HE.....	EAF5109
Filter, safety.....	P533890 .....4
Hump hose.....	P105610
Informer™ indicator 25" H <sub>2</sub> O.....	X002277
Inlet hood, metal.....	H000275
Inlet hood, plastic.....	H000606
Outlet band clamp.....	P148345
Thumb screw.....	P527435
Vacuator™ Valve.....	P525956

### G130089 EPG

Cover.....	P533916
Elbow, 45°.....	P109021
Elbow, 90°.....	P107844
Elbow, 90° reducing.....	P143895
Fastener kit.....	X006452
Filter, primary - SM.....	P533930 .....3
Filter, primary - ES & HE.....	EAF5109
Filter, safety.....	P533890 .....3
Hump hose.....	P105610
Informer™ indicator 25" H <sub>2</sub> O.....	X002277
Inlet hood, metal.....	H000275
Inlet hood, plastic.....	H000606
Outlet band clamp.....	P148345
Thumb screw.....	P527435
Vacuator™ Valve.....	P525956



11" Model Shown

### G150048 EPG

Cover.....	P523096
Elbow, 45°.....	P105548
Elbow, 90°.....	P105536
Fastener kit.....	X006452
Filter, primary - ES & HE.....	EAF5069
Filter, primary - SM.....	P527682 .....3
Filter, safety.....	P527683 .....4
Hump hose.....	P105613
Informer™ indicator 25" H <sub>2</sub> O.....	X002277
Inlet hood, metal.....	H000339
Inlet hood, plastic.....	H000607
Outlet band clamp.....	P148348
Thumb screw.....	P527435
Vacuator™ Valve.....	P525956



### G150049 EPG

Cover.....	P523096
Elbow, 45°.....	P105548
Elbow, 90°.....	P105536
Fastener kit.....	X006452
Filter, primary - SM.....	P527682 .....3
Filter, primary - ES & HE.....	EAF5069
Filter, safety.....	P527683 .....3
Thumb screw.....	P527435
Hump hose.....	P105613
Informer™ indicator 25" H <sub>2</sub> O.....	X002277
Inlet hood, metal.....	H000339
Inlet hood, plastic.....	H000607
Outlet band clamp.....	P148348
Vacuator™ Valve.....	P525956

**NOTES:**

- 3 = Shipped with air cleaner initially
- 4 = Safety filter is designed to fit this air cleaner, but was not originally shipped with it (note that adding a safety filter will decrease the maximum airflow throughput)

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



This servicing information is provided as a best practices guide. It is not intended to replace or supersede the service instructions supplied by your engine or vehicle manufacturer.

### 1 Check the Restriction

Measure the restriction of the air cleaner with a Donaldson filter service indicator, service gauge or water manometer. Use the restriction tap provided on the air cleaner or at the transfer pipe. Replace the filter only when the restriction level has reached the maximum recommended by the engine or equipment manufacturer or on a regular service schedule.

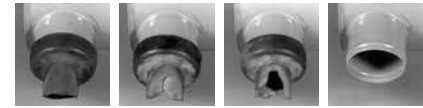
### 2 Remove the Filter

Unfasten or unlatch the service cover. The RadialSeal™ filter fits tightly over the outlet tube to create the critical seal, so there will be some initial resistance, similar to breaking the seal on a jar. Gently move the end of the filter back and forth to break the seal. Rotate while pulling the filter straight out. Avoid knocking the filter against the housing.



### 3 Clean Out the Vacuator™ Valve

Remove the Vacuator Valve and clean out any dust found in the drop tube. Reinstall Vacuator Valve or replace if found worn or damaged. If your air cleaner is equipped with a Vacuator Valve, visually check and physically squeeze it.



Make sure the valve is flexible and not inverted, damaged or plugged. Replace it if damaged or if it looks like any of these images. A damaged or missing Vacuator™ Valve will disrupt the designed flow of air through the air cleaner.

### 4 Inspect the Old Filter

Inspect the old filter for any signs of leaks. A streak of dust on the clean side of the filter is a telltale sign. Eliminate any source of air leaks before installing the new primary filter.



### 5 Visually Inspect the Safety Filter

If your air cleaner has a safety filter, do a visual inspection for damage. Verify that the safety filter is properly seated in the housing. Do not remove the safety filter unless it is damaged or due for replacement. The safety filter should be replaced every three primary filter changes. When you remove the safety filter, replace it immediately or make sure you cover the air cleaner outlet tube to avoid admitting any contaminant.

## 6 Clean Both Surfaces of the Outlet Tube

Use a clean damp cloth to wipe the filter sealing surface and the inside of the outlet tube. Contaminant on the sealing surface could hinder an effective seal and cause leakage.



## 7 Inspect the New Filter

Visually inspect the new filter, paying special attention to the sealing area which is inside the open end.

As you inspect the filter's RadialSeal take care not to wipe the sealing surface. The factory has placed a dry lubricant on the seal which aids in installation and removal. NEVER install a damaged filter.



## 8 Insert the New Filter Properly

If you're servicing the safety filter at this change-out, carefully seat it into position before installing the primary filter. Seat the filter by hand, making certain it is completely inserted into the air cleaner housing before securing the cover in place. To complete a tight seal, apply pressure by hand at the outer rim of the filter, not the flexible center.

Never use the service cover to push the filter into place since no cover pressure is required to hold the seal. Using the cover to apply pressure could damage the housing and cover fasteners, and will void the warranty.

If the new filter is not fully in place, remove the cover and push the filter further into the air cleaner with hand pressure on the outer rim. The cover should then go on with no extra force. Then secure the service cover.



## 9 Check Connectors for a Tight Fit

Make sure restriction indicators are reset and in proper working order.

Verify that all mounting bands, clamps, bolts, and connections in the entire air cleaner system are tight.

Check for holes in piping and repair or replace as needed. Any leaks in the intake piping will admit dust directly to the engine.

