



# Advanced Sealing Technology in Compact Two-Stage Design For the Most Reliable Engine Protection

The FPG Air Cleaner series is a two-stage engine air cleaner operating in medium to heavy dust conditions. The FPG series offers improved reliability and durability with reduced weight and costs.

Ever since Donaldson developed the first air cleaner in 1915, we have worked closely with original equipment manufacturers to provide filtration solutions to meet changing design and specification requirements for diesel engines.

Because they are made of injection molded high-strength plastic, FPG air cleaners offer the flexibility to overcome space limitations for underhood air cleaners. Donaldson employs innovative plastic materials and production techniques that result in air cleaners that are corrosion-free and lighter in weight than traditional metal air cleaners — yet without sacrificing sturdiness. Our extensive vibration testing reveals this to be a more durable design than most metal air cleaners.

The filter inside the air cleaner is also quite different from the traditional design: one-piece molded urethane endcaps encase the ends of the media and filter liners, eliminating the metal caps and plastisol potting compound that were traditionally used. The gluedon gasket found on Axial filters is gone — now, the inside surface of the open end is actually the RadialSeal™ sealing surface.











FPG and FPG Alexin™ Air Cleaners, with RadialSeal™ Sealing Technology, provide thorough two-stage cleaning of incoming engine air on industrial and construction vehicles operating in medium to heavy dust environments.





#### Small, Durable and Corrosion-Free

The Easiest Air Cleaner to Service!

#### **Applications**

- Provides up to 346 cfm airflow per air cleaner — double throughput by using two units
- Installation can be horizontal, vertical, or even at an angle (as long as Vacuator™ Valve points down)
- Temperature tolerance: 180 °F / 83 °C sustained (Do not install next to turbocharger, muffler, exhaust pipes, or other hightemp component.)

#### **Ideal** for

- Compressors and generator sets
- Construction and in-plant vehicles
- On- and off-highway vehicles
- Marine and offshore equipment

#### **Air Cleaner Features**

- Easy to service. No tools needed. Usually done in 5 minutes or less.
- Durable plastic housing corrosionfree and lightweight
- Two-stage air filtration. Built-in, tangential pre-cleaner ahead of primary filter removes up to 85% of incomina dust.
- Choose 90° or straight outlet to fit your application.
- Easy-to-fasten latches retain dust cup/cover. Four (larger) models have twist-off cover.
- Tapped to accept filter service indicator.
- A plastic inlet hood and stack (up to 18" /457mm tall) may be added.

#### **Filter Features**

- Filters have RadialSeal<sup>™</sup> Sealing Technology that creates a reliable, critical seal and makes servicing easy.
- One piece, molded urethane endcaps encase the filter media and liners.
- Safety filter protects engine during infield filter change outs. All FPG models can accept safety filters. Specification table shows which air cleaner models ship with a safety filter installed.
- · High efficiency, extended service, Donaldson Blue™ filters are available on some models (see service parts list on page 104 for part numbers)





**Service Cover** 

corrosion-free and

vibration-resistant

45° Vacuator™ Valve orientation permits either vertical or horizontal air cleaner mounting (the dust cup can be incrementally rotated to suit specific application)









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

# OUTLET

### When Selecting an Air Cleaner . . .

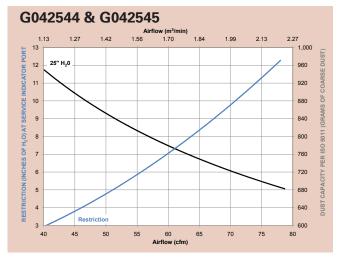
Determine the airflow requirements of your engine, then find the corresponding cfm airflow in the table at right. The restriction numbers (shown in inches of water) indicate the approximate initial restriction of each model air cleaner at that cfm. If there are two air cleaner models that fit your parameters,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

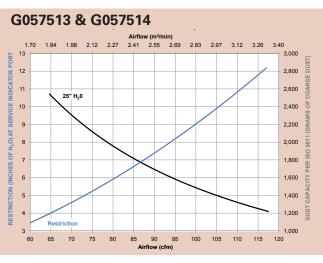
#### **Initial Airflow Restriction**

8"	@ H <sub>2</sub> 0 10"	Air Clear 90°	ner Model Straight
S WITI	H PRIMA	RY FILTER O	NLY
65	70	G042545	G042544
95	105	G057514	G057513
135	155	G065433	G065432
170	190	G070020	G070019
245	275	G082528	G082527
S WITI	H PRIMA	RY & SAFET	TY FILTER
80	90	G057512	G057511
125	145	G065411	G065424
145	165	G070018	G070017
190	215	G082526	G082525
282	314	G100317 <sup>1</sup>	
297	328		G100319 <sup>1</sup>
300	335		G090225 <sup>1</sup>
317	346	G090219 <sup>1</sup>	
	8" 65 95 135 170 245 .S WITI 80 125 145 190 282 297 300	S WITH PRIMA 65 70 95 105 135 155 170 190 245 275 S WITH PRIMA 80 90 125 145 145 165 190 215 282 314 297 328 300 335	8" 10" 90°  S WITH PRIMARY FILTER 0 65 70 G042545 95 105 G057514 135 155 G065433 170 190 G070020 245 275 G082528  S WITH PRIMARY & SAFET 80 90 G057512 125 145 G065411 145 165 G070018 190 215 G082526 282 314 G100317¹ 297 328 300 335

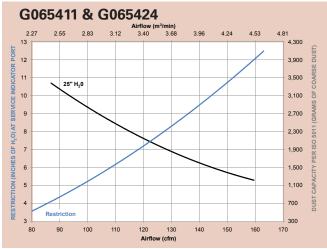
<sup>1 -</sup> Models with twist-off cover design (no latches)

#### **FPG Air Cleaner Performance Curves**





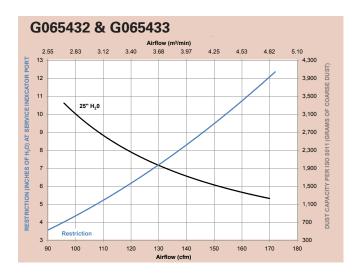






# <u>S</u>

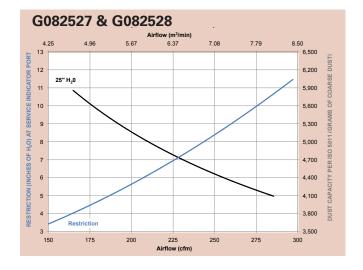
#### continued — FPG Air Cleaner Performance Curves (Restriction & Dust Capacity)

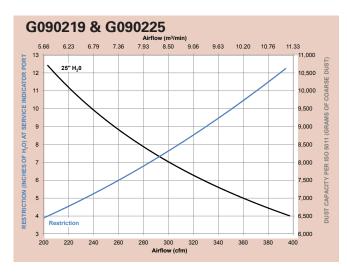










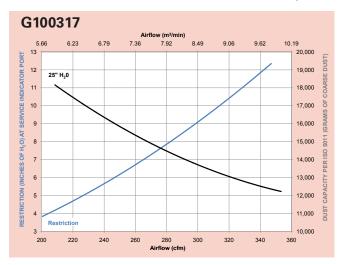


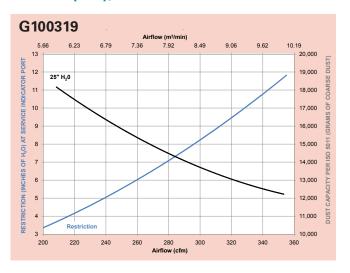
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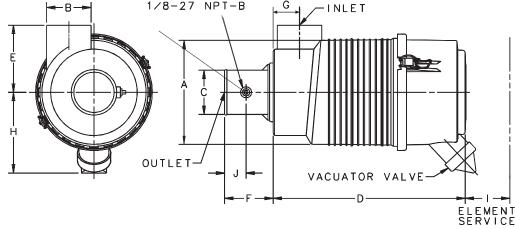
#### continued — FPG Air Cleaner Performance Curves (Restriction & Dust Capacity)





# 90° Elbow Outlet Model 1/8-27 NPT-B 1/8-27 NPT-B 1/8-27 NPT-B 1/8-27 NPT-B 1/8-27 NPT-B

Straight Outlet Tube Model



#### **Application Notes**

- 1) Safety filters: All FPG models can accept safety filters. This table shows which air cleaner models are shipped with a safety filter installed. If you want to add a safety filter to an existing model that did not originally have one, order the safety filter listed in the Service Parts table.
- 2) Mounting band specifications and ordering information are on next page.
- 3) Inlet Hoods: A plastic inlet stack up to 18" (457mm) tall may be added, supporting a plastic inlet hood. See the Accessories section for information on optional inlet hoods and filter service indicators. Warning: Do not add a pre-cleaner or any intake accessory other than a lightweight inlet hood. Use of unapproved intake accessories will void your Donaldson warranty.

4) Service Indicators. See the Accessories section for information on filter service indicators.



#### **FPG Specifications**

Air Cleaner Models	with Safety Filter?	Body Dia. (A)	Inlet Dia. (B)	Outlet Dia. (C)	Housing Length (D)	Inlet Height (E)	Outlet Length (F)	Inlet Loca- tion (G)	Center Line to Valve(H)	Service Clear. (I)	Weight Ibs kg	Restr. Tap Loc. (J)
MODELS WIT	'H 90° ELB(	OW OUTLET 1	UBE									
G042545	no	4.80"	1.75"	1.75"	7.45"	3.27"	1.23"	1.48"	3.96"	5.39"	1.3 lbs	1.94"
		122mm	44mm	44mm	189mm	83mm	31mm	38mm	101mm	137mm	0.6 kg	48mm
G057512	yes	5.75"	2.00"	2.00"	10.96"	3.82"	1.36"	1.65"	4.66"	10.68"	2.5 lbs	2.60"
		146mm	51mm	51mm	278mm	97mm	35mm	42mm	118mm	271mm	1.1 kg	66mm
G057514	no	5.75"	2.00"	2.00"	10.96"	3.82"	1.36"	1.65"	4.66"	7.95"	2.2 lbs	2.60"
		146mm	51mm	51mm	278mm	97mm	35mm	42mm	118mm	202mm	1.0 kg	66mm
G065411	yes	6.74"	2.50"	2.50"	12.61"	4.41"	1.60"	1.70"	5.35"	12.24"	3.9 lbs	3.06"
	,	171mm	64mm	64mm	320mm	112mm	41mm	43mm	136mm	311mm	1.8 kg	78mm
G065433	no	6.74"	2.50"	2.50"	12.61"	4.41"	1.60"	1.70"	5.35"	8.50"	3.5 lbs	3.06"
		171mm	64mm	64mm	320mm	112mm	41mm	43mm	136mm	216mm	1.6 kg	78mm
G070018	yes	7.19"	3.00"	3.00"	13.09"	4.88"	1.88"	1.72"	5.45"	12.50"	4.3 lbs	3.62"
	,	183mm	76mm	76mm	332mm	124mm	48mm	44mm	137mm	318mm	1.9 kg	92mm
G070020	no	7.19"	3.00"	3.00"	13.09"	4.88"	1.88"	1.72"	5.45"	8.87"	3.8 lbs	3.62"
		183mm	76mm	76mm	332mm	124mm	48mm	44mm	137mm	225mm	1.7 kg	92mm
G082526	yes	8.35"	3.75"	3.50"	14.23"	5.43"	2.11"	2.11"	6.01"	13.91"	5.8 lbs	4.13"
	,	212mm	95mm	89mm	361mm	138mm	54mm	54mm	153mm	353mm	2.6 kg	105mm
G082528	no	8.35"	3.75"	3.50"	14.23"	5.43"	2.11"	2.10"	6.01"	9.57"	5.2 lbs	4.13"
		212mm	95mm	89mm	361mm	138mm	54mm	53mm	153mm	243mm	2.3 kg	105mm
<b>MODELS WI</b>	TH STRAIC	GHT OUTLET	TUBE									
G042544	no	4.80"	1.75"	1.75"	7.45"	3.27"	3.24"	1.48"	3.96"	5.39"	1.3 lbs	1.88"
		122mm	44mm	44mm	189mm	83mm	82mm	38mm	101mm	137mm	0.6 kg	48mm
G057511	yes	5.75"	2.00"	2.00"	10.87"	3.82"	3.25"	1.65"	4.66"	10.68"	2.5 lbs	1.88"
	,	146mm	51mm	51mm	276mm	97mm	83mm	42mm	118mm	271mm	1.1 kg	48mm
G057513	no	5.75"	2.00"	2.00"	10.87"	3.82"	3.25"	1.65"	4.66"	7.95"	2.2 lbs	1.88"
		146mm	51mm	51mm	276mm	97mm	83mm	42mm	118mm	202mm	1.0 kg	48mm
G065424	yes	6.74"	2.50"	2.50"	12.61"	4.41"	3.23"	1.70"	5.35"	12.24"	3.9 lbs	1.63"
	,	171mm	64mm	64mm	320mm	112mm	82mm	43mm	136mm	311mm	1.8 kg	41mm
G065432	no	6.74"	2.50"	2.50"	12.61"	4.41"	3.23"	1.70"	5.35"	8.48"	3.5 lbs	1.63"
		171mm	64mm	64mm	320mm	112mm	82mm	43mm	136mm	216mm	1.6 kg	41mm
G070017	yes	7.19"	3.00"	3.00"	13.09"	4.88"	3.26"	1.72"	5.45"	12.50"	4.3 lbs	1.88"
	,	183mm	76mm	76mm	332mm	124mm	83mm	44mm	138mm	318mm	1.9 kg	48mm
G070019	no	7.19"	3.00"	3.00"	13.09"	4.88"	3.26"	1.72"	5.45"	8.87"	3.8 lbs	1.88"
<del>-</del>	-	183mm	76mm	76mm	332mm	124mm	83mm	44mm	138mm	225mm	1.7 kg	48mm
G082525	yes	8.35"	3.75"	3.50"	14.23"	5.43"	3.27"	2.10"	6.01"	13.91"	5.8 lbs	1.91"
<b></b>	,	212mm	95mm	89mm	361mm	138mm	83mm	53mm	153mm	353mm	2.6 kg	49mm
G082527	no	8.35"	3.75"	3.50"	14.23"	5.43"	3.27"	2.10"	6.01"	9.57"	5.2 lbs	1.91"
		212mm	95mm	89mm	361mm	138mm	83mm	53mm	153mm	243mm	2.3 kg	49mm





#### Mounting Bands Designed Exclusively for the FPG Series

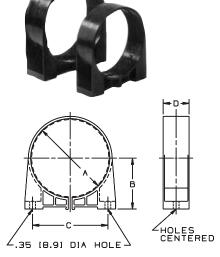
WARNING: Do not use any other mounting bands or straps with FPG air cleaners. Use of an unapproved mounting band voids warranty.

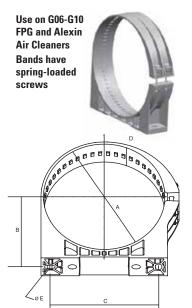
#### **Polymer Mounting Band**

The one-piece, high tech polymer mounting band will securely hold the housing in position. The band has tabs on the inside circumference which fit exactly into notches on the FPG housing. Donaldson polymer bands are completely non-corrosive, lightweight, easy to install, and economical.

The band tightens around the air cleaner when the base of the band is bolted to a support, providing a fixed, stable mounting — even in high vibration applications.

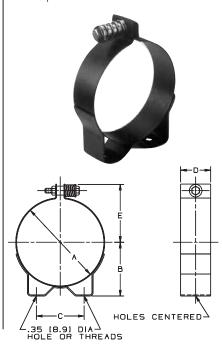
#### Use on G04 and G05 FPG Air Cleaners.





#### **Metal Mounting Band**

The metal mounting band has a spring-loaded bolt at the top to maintain a constant hold on the housing throughout high and low temperature extremes.



#### **Maximum Torque**

Polymer Bands: 11 lbs-ft / 14.8 N•m

Metal Bands: 12 lbs-ft / 16.2 N•m

#### **Application Note:**

To accommodate even hard-to-fit applications, polymer bands allow the air cleaner housings to be rotated and positioned at various increments, depending upon the size:

<b>Housing Diameter</b>	Increment
4.80" (122mm)	11°
5.75" (146mm)	10°
6.74" (171mm)	7.5°
7.19" (183mm)	7°
8.35" (212mm)	5°

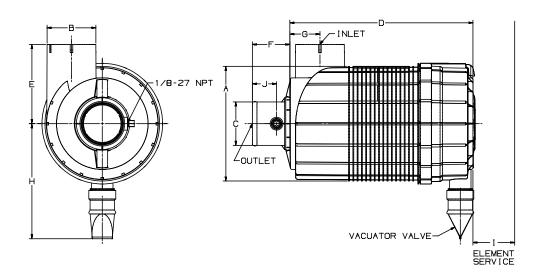
#### FPG Mounting Bands (Order one band per FPG air cleaner)

Part	μ	١		В	(	C	D		Е		Weig	jht
Number	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgrm
POLYMER I	BANDS											
P777151	4.80	122	3.09	79	4.56	116	1.57	40	n/a	ı	0.26	118
P777730	5.75	146	3.52	90	5.35	136	1.99	51	n/a	l	0.37	167
P778810	6.79	173	3.94	100	6.00	154	1.99	51	n/a	l	0.40	182
P777731	7.17	182	4.11	105	6.50	165	1.99	51	n/a	l	0.45	206
P777732	8.35	212	4.70	120	7.48	190	1.99	51	n/a	l	0.56	253
P7805321	9.48	241	5.47	136	5.63	143	1.99	51	n/a	l		
P7805941	10.55	268	5.90	150	5.63	143	3.15	80	n/a	l		
METAL BA	NDS											
H008442	4.80	122	3.07	78	2.76	70	1.57	40	3.34	85	0.70	317
H008443	5.75	146	3.54	90	3.15	80	1.99	51	3.83	97	1.30	590
H008441 <sup>2</sup>	6.79	173	3.94	100	3.54	90	1.99	51	4.35	111	1.40	635
H008444	6.79	173	3.94	100	3.54	90	1.99	51	4.35	111	1.40	635
H002070	7.19	183	4.09	104	3.74	95	1.99	51	4.55	116	1.50	680
H002023	8.35	212	4.72	120	4.33	110	1.99	51	5.14	131	1.60	726

- 1 Mounting bands (with spring-loaded screws) for FPG09 and FPG10 models with twist-off cover
- 2 Model H008441 has 8mm threads





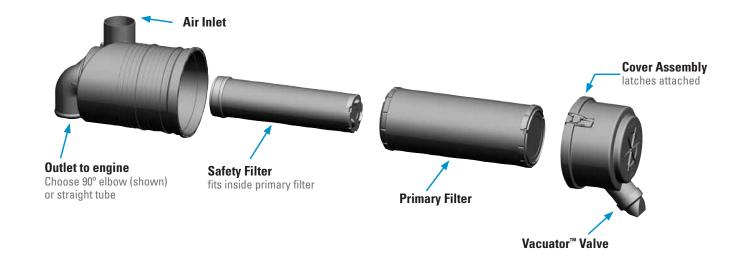


#### **FPG ALEXIN™**

Air Cleaner Models	with Safety Filter?	Body Dia. (A)	Inlet Dia. (B)	Outlet Dia. (C)	Housing Length (D)	Inlet Height (E)	Outlet Length (F)	Inlet Loca- tion (G)	Center Line to Valve(H)	Service Clear. (I)	Weight lbs kg	Restr. Tap Loc. (J)
FPG ALEXIN™ MODELS WITH TWIST-OFF COVER (90° AND STRAIGHT OUTLET TUBES)												
G090219 <sup>1</sup>	yes	9.53"	4.50"	3.50"	15.75"	6.69"	2.11"	2.42"	10.44"	12.79"	8.8 lbs	4.13"
		242mm	114mm	89mm	400mm	170mm	54mm	62mm	260mm	325mm	4.0 kg	105mm
G100317 <sup>1</sup>	yes	10.55"	4.50"	4.00"	16.85"	7.28"	2.37"	2.85"	10.60"	13.98"	11.1 lbs	4.72"
		268mm	114mm	102mm	428mm	185mm	60mm	73mm	269mm	355mm	5.1 kg	120mm
G090225 <sup>2</sup>	yes	9.53"	4.50"	4.00"	15.75"	6.69"	3.43"	2.42"	10.04"	12.79"	8.7 lbs	2.22"
		242mm	114mm	102mm	400mm	170mm	87mm	62mm	260mm	325mm	3.9 kg	57mm
G100319 <sup>2</sup>	yes	10.55"	4.50"	4.00"	16.85"	7.28"	3.45"	2.85"	10.60"	13.98"	10.9 lbs	2.22"
		268mm	114mm	102mm	428mm	185mm	88mm	73mm	269mm	355mm	4.9 kg	57mm

<sup>1 -</sup> FPG Alexin Models with 90° outlet tube

#### **FPG Service Parts**



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<sup>2 -</sup> FPG Alexin models with straight outlet tube





#### **FPG Service Parts & Accessories**

FPG
P5336858 P8226864 X002277 H002068 P538928 H008442 P777151
P115200 P522958

G057511 & G057512 F	FPG
G057511 & G057512  Cover	P5337618 P105541 P105529 P8215753 P8228583 (002277 H001377 P538928 H008443
Mounting Bands, plasticF Outlet band clampF Vacuator™ ValveF	P148337

G057513 & G057514	FPG
Cover	P5337618
Elbow, 45°	P105541
Elbow, 90°	P105529
Filter, primary	P8215753
Filter, safety	P8228584
Informer™ indicator 25" H <sub>2</sub> 0	X002277
Inlet hood, plastic	H001377
Latch	
Mounting bands, metal	H008443
Mounting Bands, plastic	P777730
Outlet band clamp	P148337
Vacuator™ Valve	P522958

G065411 & G065424	FPG
Cover	P5394228
Elbow, 45°	P105543
Elbow, 90°	P105531
Filter, primary	P8227683
Filter, safety	P8227693
Informer™ indicator 25" H <sub>2</sub> 0	X002277
Inlet hood, plastic	H001378
Latch	P538928
Mounting bands, metal	H008441
	or H008444
Mounting Bands, plastic	P778810
Outlet band clamp	P148339
Vacuator™ Valve	P158914

G065432 & G065433	FPG
Cover	P5394228
Elbow, 45°	P105543
Elbow, 90°	P105531
Filter, primary	P8227683
Filter, safety	P8227694
Informer™ indicator 25" H <sub>2</sub> 0	X002277
Inlet hood, plastic	H001378
Latch	P538928
Mounting bands, metal	H008441
	or H008444
Mounting Bands, plastic	P778810
Outlet band clamp	P148339
Vacuator™ Valve	P158914

G070017 & G070018	FPG
Cover	. P5362028
Elbow, 45°	. P105544
Elbow, 90°	. P105532
Elbow, 90° reducing	. P123462
Filter, primary-Donaldson Blue™	. DBA5225
Filter, primary	. P8276533
Filter, safety	
Hump hose	. P105608
Informer™ indicator 25" H <sub>2</sub> O	. X002277
Inlet hood, plastic	. H001379
Latch	. P538928
Mounting bands, metal	. H002070
Mounting Bands, plastic	. P777731
Outlet band clamp	. P148341
Vacuator™ Valve	. P158914

G070019 & G070020	FPG
Clamp	. P003951
Cover	. P5362028
Elbow, 45°	. P105544
Elbow, 90°	. P105532
Elbow, 90° reducing	. P123462
Filter, primary-Donaldson Blue™	. DBA5225
Filter, primary	
Filter, safety	. P8293324
Hump hose	. P105608
Informer™ indicator 25" H <sub>2</sub> O	. X002277
Inlet hood, plastic	. H001379
Latch	. P538928
Mounting bands, metal	. H002070
Mounting Bands, plastic	. P777731
Outlet band clamp	. P148341
Vacuator™ Valve	. P158914

G082525 & G082526	FPG
Cover	P109331
Elbow, 90° Filter, primary-Donaldson Blue™ Filter, primary	DBA5227
Filter, safety Hump hose Informer™ indicator 25" H <sub>2</sub> O	P114319
Inlet hood, plastic Latch	H000466
Mounting bands, metal Mounting Bands, plastic	. H002023 . P777732
Outlet band clamp Vacuator™ Valve	



G082527 & G082528	FPG
Clamp	P102025
Cover	P5340488
Elbow, 45°	P109331
Elbow, 90°	
Filter, primary-Donaldson Blue™	DBA5227
Filter, primary	P8288893
Filter, safety	P8293334
Hump hose	
Informer™ indicator 25" H <sub>2</sub> 0	X002277
Inlet hood, plastic	H000466
Latch	P538928
Mounting bands, metal	H002023
Mounting Bands, plastic	P777732
Outlet band clamp	P148342
Vacuator™ Valve	P158914

G100317 & G100319*	FPG
Cover	P780578
Elbow, 45°	P105545
Elbow, 90°	P105533
Elbow, 90° reducing	P121482
Filter, primary-Donaldson Blue™	<b>DBA5228</b>
Filter, primary	P781039
Filter, safety	P777639
Hump hose	P105609
Informer™ indicator 25" H <sub>2</sub> 0	X002277
Inlet hood, metal	H000170
Inlet hood, plastic	H000468
Mounting Bands, plastic	P780594
Outlet band clamp	P148343
Vacuator™ Valve	P776008

#### **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)
  8 = Cover assembly includes latches but no
- Vacuator™ Valve

Donaldson Blue™ = High Efficiency, Extended Service

\* = FPG Alexen models with twist off cover design (no latches)



# FPG & FPG Alexin<sup>™</sup>Air Cleaners Service Instructions



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.

Check the Restriction

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.



Clean Out the Vacuator™ Valve

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.







Remove the Primary filter

Shut off the engine. Unfasten or unlatch the service cover. For the FPG Alexin™ models, the cover is unlocked with a yellow "finger," twisted to the left and removed from the filter housing.

The RadialSeal™ filter fits tightly over the outlet tube and 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, then rotate while pulling straight out. Avoid knocking the filter against the housing.





# Visually Check the Safety Filter and Clean Both Surfaces of the Outlet Tube

If your air cleaner has a safety filter, visually check it while in place for signs of damage. Do not remove the safety filter unless it is damaged or due for replacement. Also verify that the safety filter is properly seated in the housing.

The safety filter should be replaced every three primary filter changes. Use a clean damp cloth to wipe both the filter sealing surface and the inside of the outlet tube. Ensure that the outlet tube sealing area is undamaged.

Contaminant on the sealing surface could hinder an effective seal and cause leakage. If the safety filter is to be replaced, avoid leaving the outlet tube exposed to the air. If there is to be a delay in installing the new safety filter, cover the air cleaner outlet tube to avoid admitting any dust.





Continued on next page



#### FPG & FPG Alexin<sup>™</sup>Air Cleaners Service Instructions



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#### **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.



#### **Inspect the New Filter**

Inspect the new filter for any damage that may have occurred through mishandling. NEVER install a damaged filter. Visually check the inside of the open end, which is the sealing area.

Do not wipe the filter RadialSeal™ sealing area. Donaldson RadialSeal™ filters have an invisible dry lubricant on the seal to aid installation.



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#### **Insert the New Filter**

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

No cover pressure is required to hold the seal in place and you should NEVER use the service cover to apply pressure. This could damage the housing and fasteners and void the warranty. If the service cover presses against the filter before the cover is fully in place, remove the cover. With the cover off, push the filter farther into the air cleaner by hand and then the cover will go on with no extra force. Once the filter is in place, secure the service cover.

For FPG Alexin™ models, twist the cover to the right until it stops, then push the yellow "finger" in to lock.









If you perform filter maintenance service on a schedule versus using service indicators, you may want to write the service date on the end cap of both filters.

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#### **Check Connectors for Tight Fit**

Make sure service indicators are reset and in proper working order. Check 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. Reset the filter service indicator





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