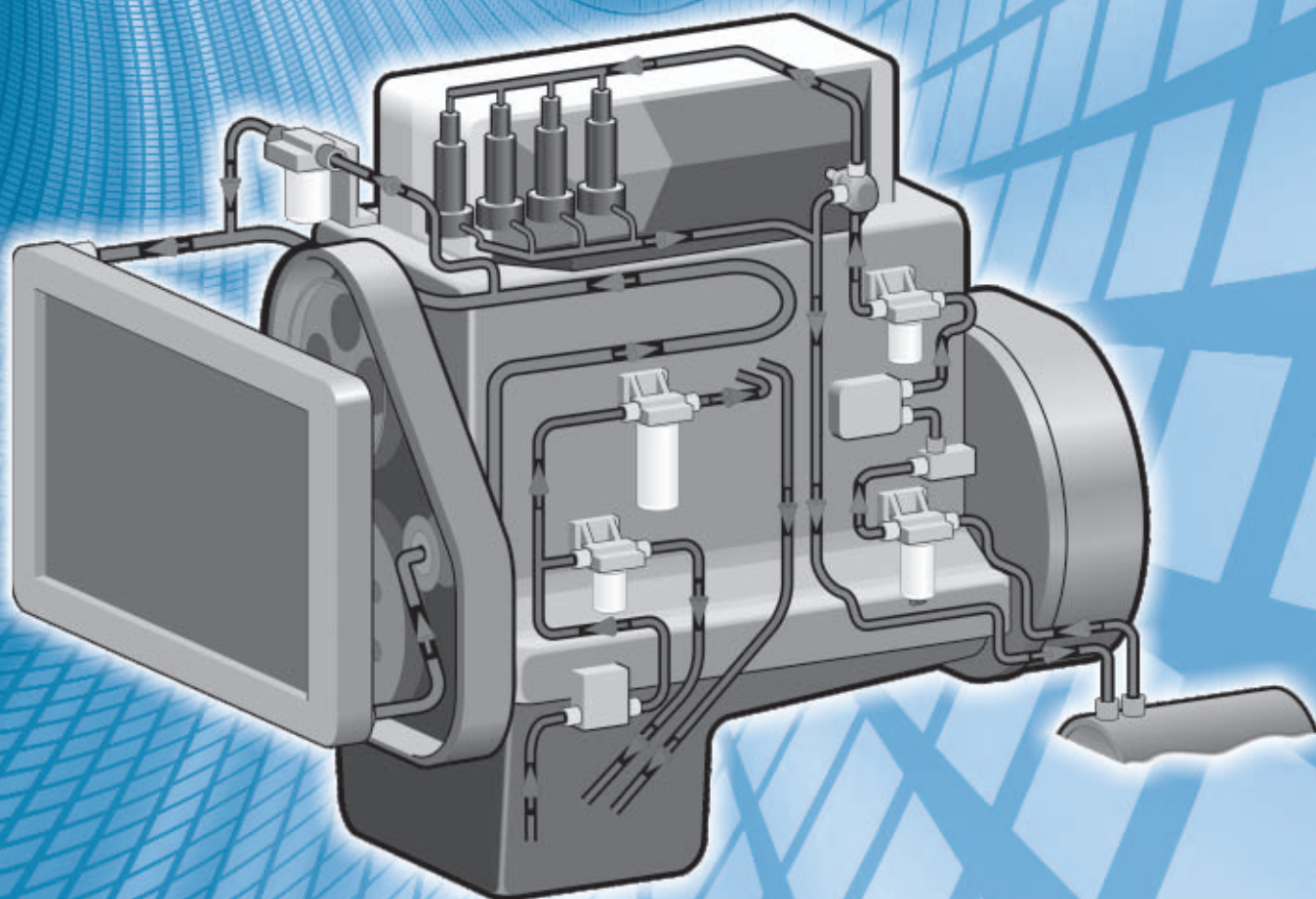


Engine Service Parts and Accessories Guide

May 2008

ENGINE



Donaldson®

Filtration Solutions



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Fuel Filter Water Separator

Donaldson fuel filters provide clean, filtered fuel that prevents pump and injector wear. Donaldson has a complete line of spin-on, and cartridge-style filters.

Donaldson's durable fuel filter/water separators trap contaminants carried in the fuel and strip away water that can damage your engine.

Part no	Description
P920683	Replacement cartridge 12ℓ/min 16 mic absolute
P925683	Replacement cartridge 12ℓ/min 8 mic absolute
P920711	Replacement cartridge 4ℓ/min 16 mic absolute
P922395	Mounting head
P564276	Glass bowl
P564277	Water Sensor – 24 volt
P564653	Water Sensor – 12 volt



DFF 0005 Bulk Diesel Tank Filter

Specifications:

Ports:	- 1½ BSP inline ports
Flow rate:	- suction → 90ℓ/min - Pressure → 300ℓ/Min
Maximum pressure:	- 4 bar
Water drain port	- ½" BSP
Replacement element:	- P92-1319
Micron rating:	- 6μ nominal 15.5μ absolute
Dimensions:	- Length 550 mm - Ø 300mm
Dry mass:	- 25 Kg



DFF 0036 Bulk Diesel Tank Filter

Specifications:

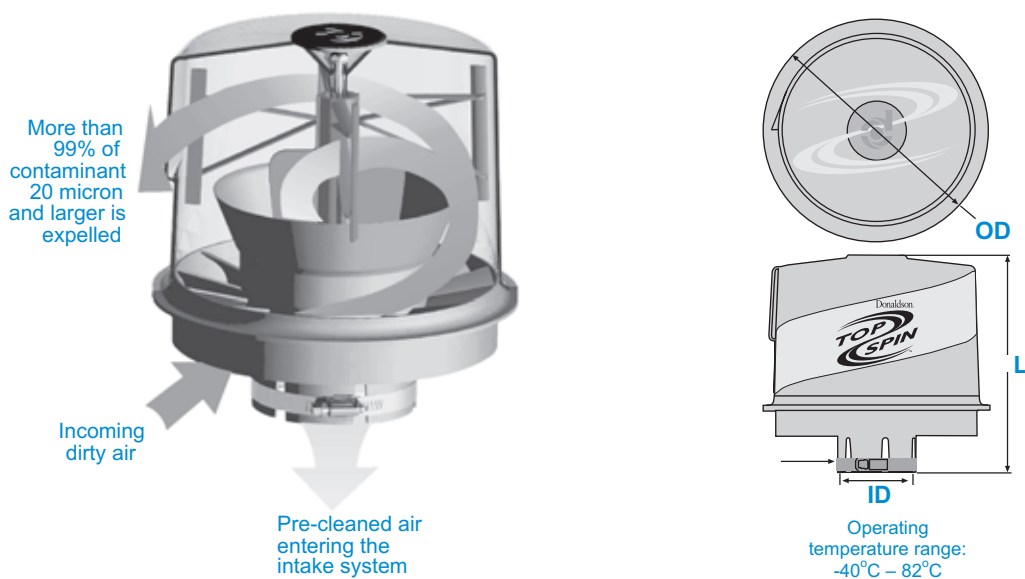
Ports:	- 1" BSP
Flow rate:	- suction → 40ℓ/min - Pressure → 90ℓ/min
Maximum pressure:	- 4 bar
Water drain port	- ½" NPT
Replacement element:	- P92-0967
Micron rating:	- 6μ nominal 15.5μ absolute
Dimensions:	- Length 422mm - Ø 220mm
Dry mass:	- 12 Kg





Donaldson TopSpin™ Pre-Cleaner

The Donaldson TopSpin™ pre-cleaner helps you extend your primary air filter life and boost system efficiency by removing up to 99% of large contaminants. TopSpin™ achieves this performance through the use of a spinning propeller (see diagram below). The design of the propeller and the enclosure are optimized to enable the engine to draw filtered air more efficiently. TopSpin™ is self-cleaning and does not require routine maintenance. Donaldson TopSpin™ can be mounted horizontally or vertically. Assembly includes stainless steel clamp for quick installation.



Part number	Flow rate m ³ /min	OD		ID		L	
		In	mm	In	mm	In	mm
PTH00-2394	5.7-12.7	9.51	241	4.06	103	7.65	194
PTH00-2425	5.7-12.7	9.51	241	3.07	78	7.65	194
PTH00-2426	5.7-12.7	9.51	241	3.83	97	7.65	194
PTH00-2427	5.7-12.7	9.51	241	4.56	115	7.65	194
PTH00-2431	12.7-21.2	11.32	287	4.06	103	9.61	244
PTH00-2432	12.7-21.3	11.32	287	4.56	115	9.61	244
PTH00-2433	12.7-21.4	11.32	287	5.03	127	9.61	244
PTH00-2434	2.5-5.7	6.38	162	2.03	51	4.58	116
PTH00-2435	2.5-5.8	6.38	162	2.27	57	4.58	116
PTH00-2436	2.5-5.9	6.38	162	2.53	64	4.58	116
PTH00-2437	2.5-5.10	6.38	162	3.03	76	4.58	116
PTH00-2438	21.2-42.5	15.62	396	6.03	153	13.44	341
PTH00-2439	21.2-42.6	15.62	396	7.03	178	13.44	341



Glass Bowl Pre-Cleaners

Reduces frequency of service on all types of air cleaners operating in extremely dusty conditions. Separates up to 80% of dust in the incoming air stream. No tools needed for service. Just remove cover, lift body and empty collected dirt.

Pre-cleaner Model	Fits Tube O.D. mm	Recommended Air Flow m ³ /min	Pre-Cleaner Bowl Part No	Glass Bowl O. D. mm
PBH00-2042	44.0	1.5 – 2.2	P02-0115	140
PBH00-1823	50.8	2.1 – 5.6	P02-0227	186
PBH00-1250	57.2	2.1 – 5.6	P02-0227	186
PBH00-1251	63.5	2.1 – 5.6	P02-0227	186
PBH00-1249	76.2	2.1 – 5.6	P02-0227	186
PBH00-0820	76.2	6.0 – 14.5	P01-6330	270
PBH00-0821	95.3	5.6 – 13.5	P01-6330	270
PBH00-0858	101.6	5.6 – 13.5	P01-6330	270
PBH00-0823	114.3	5.0 – 11.5	P01-6330	270
PBH00-2043	127.0	8.5 – 22.6	P02-0344	303
PBH00-2223	152.4	11.4 – 31.0	P15-8324	404.8
PBH00-2224	177.8	12.0 – 48.0	P15-8324	404.8

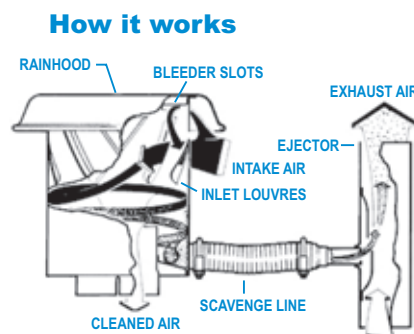


Donaspin™ Pre-Cleaner

Highly efficient pre-cleaners for use in heavy dust and chaff conditions. Especially suited to agriculture and for use with farm tractors, combines etc.

Part No.	Max Flow m ³ /min	Fits tube O.D. mm
PLH00-1212	8.6	76.2
PLH00-1308	15.0	127.0
PLH00-1215	13.2	114.3
PLH001375	21.8	152.4

The Donaspin™ pre-cleaner uses a spinning motion of the airstream to force dirt and debris to the outside wall of the pre-cleaner body. The dirt and debris are forced to the bottom of the pre-cleaner and expelled by the secondary airflow developed by the ejector.



Exhaust Ejectors to Use with Donaspin™ Pre-Cleaner

A scavenge hose connects the Donaspin™ pre-cleaner to the exhaust ejector which automatically ejects collected contaminants through the exhaust system. There are no moving parts.

Diesel engine power range				
N.A. kW	Turbo kW	Engine intake airflow range m ³ /min	Ejector model no.	Nominal inlet I.D. (mm)
19 – 30	15 – 22	1.3 – 2.0	EEH00-1282	51
26 – 37	19 – 30	1.8 – 2.5	EEH00-1276	45
34 – 52	26 – 41	2.5 – 3.5	EEH00-1277	57
45 – 67	37 – 52	3.2 – 4.5	EEH00-1283	64
60 – 90	49 – 71	4.3 – 6.0	EEH00-1278	70
93 – 142	75 – 112	5.8 – 9.5	EEH00-1280	89
108 – 164	86 – 113	7.7 – 11.0	EEH00-1279	77
134 – 201	108 – 160	9.5 – 13.6	EEH00-1281	102
164 – 330	131 – 198	11.6 – 16.5	EEH00-1284	102





Inlet Hood

Protects the air cleaners from rain and large debris ingestion.

Part No.	Fits tube O.D.mm
GAH000161	76.2 Metal
GAH000165	127.0 Metal
GAH000178	177.8 Metal
GAH000241	114.3 Metal
GAH000258	101.6 Metal
GAH000276	152.4 Metal
GAH000469	127.0 Plastic

Part No.	Fits tube O.D.mm
GAH000467	101.6 Plastic
GAH001378	63.5 Plastic
GSH001379	76.2 Plastic
GAX001988	95.3 Metal
GAX002017	44.5 Metal
GAX002018	50.8 Metal
GAH000472	101.6 Plastic



Ram Inlet Hood

Designed to improve performance by reducing air intake restriction. Separated moisture extends filter element life and maximises engine performance.

Part no.	Fits tube O.D. mm
GSH00-1654	177.8
GSH00-1660	152.4
GSH00-8149	76.2
GSH00-8150	127.0
GSH00-8154	101.6



DuraLite®

DuraLite® Air cleaners are non-metallic, so they're lightweight, self-supporting, and completely disposable. They are easy to install, durable and reliable.

Part no.	Max flow m ³ /min	Outlet Size mm
ECC03-5003	0.8	25
ECC04-5001	1.81	38
ECC04-5002	2.32	38
ECC05-5002	3.00	44
ECC05-5003	2.66	44
ECC06-5001	3.51	51
ECC08-5002	5.52	64
ECC08-5004	8.78	76
ECC10-5004	14.75	102
ECC12-5004	21.50	127





FPG08 Plastic Air Cleaner

Radial seal for optimum performance on a wide range of light and medium duty vehicles and equipment.

Part No.	Max air flow @ 200 mm H ₂ O restriction	Description
KYX00-6825	8 m ³ /min	Toggle latches at outlet
KYX00-6826	8 m ³ /min	Toggle latches at Dust Bowl

Accessories

P92-1498	Cover outlet
P92-1496	Cover Dust Bowl
P92-1505	Element Std
P92-2505	Element Extended life
P92-1619	Mounting band
P92-5043	Latch



Vacuator™ Valve

The dust cup, where pre-cleaned dust is collected, is normally under a slight vacuum when the engine is running. The normal engine pulsing of the vacuum causes the Vacuator™ Valve (located at the lowest point on the dust cup) to open and close. This action automatically expels any collected dust and water. The Vacuator™ Valve also unloads when the engine is stopped.

Part No.	In	Mm	Used on Air Cleaner styles
P103198	3.0	76	FHG 10", 12", 14" and 16", FTG, FWA 5 – 16", SRG
P105220	3.0	76	FRG 18", FHG08, FVG160587
P106593	3.0	76	FHG 6-8", High Pulsation models
P112803	3.0	76	FHG 6-8", SBG 14-16", STG 12-16"
P149099	1.0	25	ERA, EBA, EBB, ECG
P158914	2.0	51	FPG 6", and 8", FRG 5-9", 11" FHG 5", FWG, FWA, In-line water separators & moisture skimmers
P522958	2.0	51	FPG 4-5", FHG
P525956	1.0	25	EPG 11", 13" and 15"
P776008	2.0	51	FRG 10", 13" and 15"





FPG Radial Seal Advanced Sealing Technology

The FPG Air Cleaner series is Donaldson's latest concept in 2-stage engine air cleaners operating in medium-heavy dust conditions. The FPG series offers improved reliability with reduced weight and associated costs.



Part Number	Primary Element	Safety Element	Dust Cup	Vacuator Valve	Steel Mounting Bands	Plastic Mounting Bands
FPG04-2545	P82-2686	N/A	P77-7153	P52-2958	P92-0026	N/A
FPG05-7502	P77-2578	P77-5298	P77-5308	P52-2958	H77-0031	P77-7730
FPG07-0006	P77-2579	P77-5300	P77-5311	P52-2958	H77-0032	P77-7731
FPG08-2503	P77-2580	P77-5302	P77-5305	P52-2958	H77-0033	P77-7732

Part Number	Air Flow M3/min	Body Diameter (mm)	Body Length (mm)	Inlet Diameter (mm)	Outlet Diameter (mm)
FPG04-2545	0.5 – 1.10	122	189	45	45
FPG05-7502	1.0 – 2.75	146	300	51	51
FPG07-0006	2.0 – 4.70	182	330	76	76
FPG08-2503	4.0 – 8.00	212	355	95	89

* Note: Mounting Bands are not included with assemblies.

FRG Air Cleaner

Injection-moulded end cap, made of specially-engineered resins for high strength and durability, serves as the service cover. Filter change-out is easier than ever . . . just unclip the latches to access the filter.

Part no	Primary Element	Safety Element	Access Cover	Vacuator Valve	Mounting Bands
FRG10-0331	P77-7638	P77-7639	P77-7455	P15-8914	P00-4076
FRG11-0241	P53-2966	P53-3781	P53-8452	P15-8914	P00-4079
FRG13-0061	P77-7409	P77-7414	P77-7408	P77-6008	P01-3722
FRG15-0120	P77-7868	P77-7869	P77-7920	P77-6008	P92-2850
FRG18-0036	P78-1098	P92-2483	P92-2482	P10-3198	P92-2534

Part no	Air Flow m³/min	Body Diameter	Body Length	Inlet Diameter	Outlet Diameter
FRG10-0331	6.5 - 15.5	259mm	430mm	114mm	101mm
FRG11-0241	8.0 - 16.0	279mm	489mm	127mm	114mm
FRG13-0061	13.0 - 23.5	330mm	530mm	152mm	127mm
FRG15-0120	16.0 - 32.0	381mm	530mm	152mm	178mm
FRG18-0036	27.0 - 39.7	457mm	644mm	182mm	178mm

Primary filter: with Donaldson-developed media, features RADIALSEAL® Sealing Technology for best reliability.

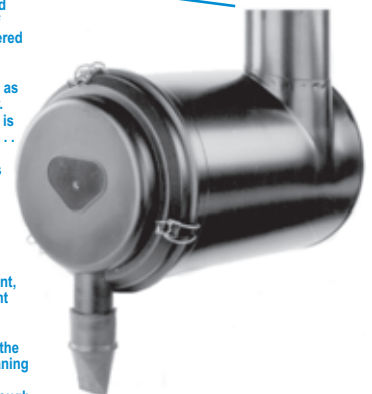
Safety element, which sits inside the primary filter, provides protection during filter changeout. (Neither filter is shown in this photo)

Tangential air inlet creates the first stage of the 2-stage cleaning process by spinning incoming air and centrifugally removing up to 85% of the incoming dust.

Injection-moulded end cap, made of specially-engineered resins for high strength and durability, serves as the service cover. Filter change-out is easier than ever . . . Just unclip the latches to access the filter.

Metal body is coated with corrosion-resistant, chemical-resistant polymer paint.

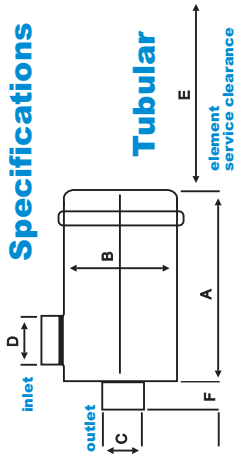
Dust removed in the first stage of cleaning is discharged automatically through the Vacuator® Valve.





FHG Series Cyclopac Air Cleaner Service Parts

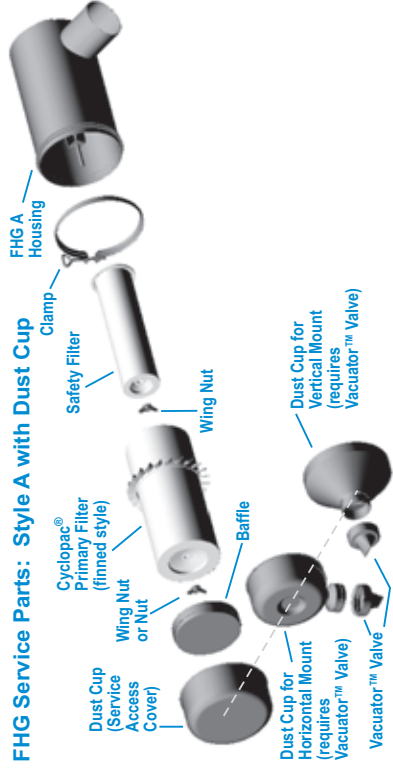
The FHG Series has an air flow range of 2.46m³/min - 28.04m³/min. It is ideal for off-road equipment in medium to heavy dust. Applications include industrial, construction, agricultural and mining machines as well as loaders, dozers, cranes, tractors, power units and compressors.



Specifications

Tubular

FHG Service Parts: Style A with Dust Cup



FHG Series Cyclopac Air Cleaners	DIMENSIONS (See Sketch Below)										Airflow range initial restriction m ³ /min (mm)			Primary Element	Safety Element	Clamp Assy	Nut Assy	Baffle Assy	Cup Assy	"O" Rings
	Model No	Description	A	B	C	D	E	F	150mm	200mm	250mm									
FHG06-5101	Long 6" cleaner fitted with a safety element	460.0	166.5	76.2	76.2	310.0	51.0	4.60	5.50	6.40	P11-9135	P11-4500	P00-2940	P10-1870	P10-2510	P10-2805	-	-		
FHG06-5184	Short 6" cleaner (no safety element)	360.0	166.5	57.2	76.2	230.0	47.5	3.75	4.30	4.70	SMP18-1052	-	P00-2940	P10-1870	P10-2510	P10-2805	-	-		
FHG06-5189	FHG06-5184 fitted with a safety element	360.0	166.5	57.2	76.2	230.0	47.5	3.75	4.30	4.70	SMP18-1052	P12-3160	P00-2940	P10-1870	P10-2510	P10-2805	-	-		
FHG06-5201	Shortest 6" cleaner (no safety element)	310.0	166.5	57.2	63.5	200.0	47.5	2.05	2.40	2.80	P13-1567	-	P00-2940	P10-1870	P10-2510	P10-2805	-	-		
FHG06-0033	FHG06-0267 fitted with a horizontal vacuator sleeve	360.0	203.0	89.0	95.0	230.0	54.0	6.20	6.30	6.39	SMP18-1093	-	P00-3951	P10-1870	P10-2980	P10-3837	-	-		
FHG08-0195	FHG08-0200 no safety element	460.0	203.0	89.0	95.0	300.0	54.0	6.79	7.92	8.77	SMP18-1059	-	P00-3951	P10-1870	P10-2980	P10-3113	-	-		
FHG08-0200	FHG08-0200 Long 8" cleaner fitted with safety element	460.0	203.0	89.0	95.0	300.0	54.0	6.00	7.00	7.90	SMP18-1059	P11-9410	P00-3951	P10-1870	P10-2980	P10-3113	-	-		
FHG08-0236	FHG08-0200 fitted with a horizontal vacuator sleeve	460.0	203.0	89.0	95.0	300.0	54.0	6.00	7.00	7.90	SMP18-1059	P11-9410	P00-3951	P10-1870	P10-2980	P10-3113	-	-		
FHG08-0265	FHG08-0267 fitted with safety element	360.0	203.0	89.0	95.0	230.0	54.0	5.20	6.00	6.60	SMP18-1063	P12-4767	P00-3951	P10-1870	P10-2980	P10-3837	-	-		
FHG08-0267	Short 8" cleaner (no safety element)	360.0	203.0	89.0	95.0	230.0	54.0	5.20	6.00	6.60	SMP18-1093	-	P00-3951	P10-1870	P10-2980	P10-3113	-	-		
FHG08-0332	FHG08-0265 fitted with horizontal vacuator sleeve	360.0	203.0	89.0	95.0	230.0	54.0	5.20	6.00	6.60	SMP18-1093	P12-4767	P00-3951	P10-1870	P10-2980	P10-3113	-	-		
FHG09-0022	Basic 9" air cleaner (with safety element)	485.0	229.0	101.6	114.0	330.0	54.0	8.10	10.30	11.50	SMP18-1063	P11-9778	P10-2025	P10-1870	P10-5050	P11-2667	-	-		
FHG09-0077	FHG09-0022 with reduced inlet	485.0	229.0	101.6	101.6	330.0	54.0	8.10	10.30	11.50	SMP18-1063	P11-9778	P10-2025	P10-1870	P10-5050	P11-2667	-	-		
FHG09-0090	FHG09-0022 fitted with horizontal vacuator sleeve	485.0	229.0	101.6	114.0	330.0	54.0	8.10	10.30	11.50	SMP18-1063	P11-9778	P10-2025	P10-1870	P10-5050	P11-2667	-	-		
FHG12-0012	FHG12-0014 no safety element	459.0	300.0	127.0	127.0	256.0	52.0	12.25	13.20	14.80	SMP18-1034	-	P10-0808	P10-1870	P10-6329	P10-6589	P01-7804	-		
FHG12-0014	Basic 12" air cleaner (with safety element)	485.0	300.0	127.0	127.0	256.0	52.0	9.40	10.80	13.08	SMP18-1034	P11-9374	P10-0808	P10-1870	P10-6329	P10-6589	P01-7804	-		
FHG12-0036	FHG12-0014 fitted with horizontal vacuator sleeve	459.0	300.0	127.0	127.0	256.0	52.0	9.40	10.80	13.08	SMP18-1034	P11-9374	P10-0808	P10-1870	P10-6329	P10-6589	P01-7804	-		
FHG14-0022	Basic 14" cleaner (with safety element)	535.0	356.0	152.4	152.4	332.0	57.0	15.75	18.50	21.00	SMP18-1046	P11-9373	P10-0866	P11-1852	P10-6771	P10-9296	P01-7335	-		
FHG14-0054	FHG14-0022 fitted with a horizontal vacuator sleeve	535.0	356.0	152.4	152.4	332.0	57.0	15.75	18.50	21.00	SMP18-1046	P11-9373	P10-0866	P11-1852	P10-6771	P10-9296	P01-7335	-		
FHG16-0048	Basic 16" cleaner (with safety element)	585.0	406.4	177.8	177.8	383.0	21.0	21.00	24.50	27.50	SMP18-1002	P11-9372	P10-0789	P11-1852	P10-6637	P10-6639	P01-7336	-		
FHG16-0078	FHG16-0048 fitted with horizontal vacuator sleeve	585.0	406.4	177.8	177.8	383.0	21.0	21.00	24.50	27.50	SMP18-1002	P11-9372	P10-0789	P11-1852	P10-6637	P10-6639	P01-7336	-		

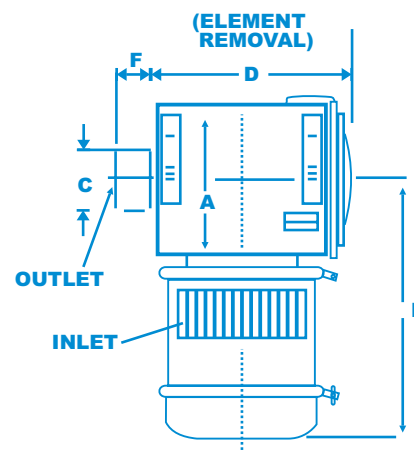


STG Donaclone™ Air Cleaner

Applications:

- ☞ Airflow range up to 50m³/min
- ☞ Peripheral or tubular inlet
- ☞ Horizontal or vertical mount
- ☞ High dust, off road conditions

Part Number	Air Flow range, initial res. m ³ /min		
	150mm	200mm	250mm
STG- Peripheral			
STG14-0076	20.10	23.79	27.00
STG16-0077	28.75	33.30	37.38
STG-Tubular			
STG12-0332	11.04	13.00	15.00
STG14-0066	17.00	19.00	22.00
STG16-0445	26.00	30.16	34.00



Part no	Primary Element	Safety Elem.	Body Assembly		Body clamp	Body O-ring x2	Dust cup	Dust cup clamp	Element cover	Gasket cover
			Upper no. Element	Lower						
STG - Peripheral										
STG14-0076	P18-2041	P11-9370	P10-9089	P10-2256	P10-0861	P01-7335	P10-0860	P10-0866	P10-9084	P01-6972
STG16-0077	P18-2039	P11-4931	P10-9125	P11-5023	P10-0780	P01-7336	P10-0794	P10-0789	P10-9153	P01-7367
STG - Tubular										
STG12-0332	P18-2044	P11-9371	P10-9212	P11-0875	P10-0895	P01-7804	P10-0807	P10-0808	P10-9194	P01-7365
STG14-0066	P18-2041	P11-9370	P10-9089	P11-4100	P10-0861	P01-7335	P10-0860	P10-0866	P10-9084	P01-6972
STG16-0445	P18-2039	P11-4931	P14-8787	P11-5022	P10-0780	P01-7336	P10-0794	P10-0789	P10-9153	P01-7367

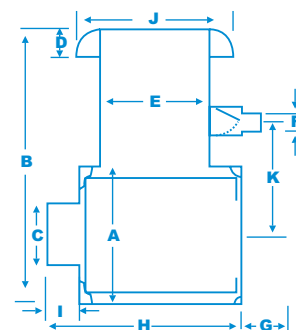
Part Number	Body A	Inlet B	Outlet C	Length D	Outlet Length F	L	Element Removal	Total Height
STG-Peripheral								
STG14-0076	356	N/A	152	441	99	614	387	792
STG16-0077	406	N/A	178	500	99	684	432	867
STG - Tubular								
STG12-0332	300	127	127	392	99	560	335	712
STG14-0066	356	152	152	441	99	614	387	792
STG16-0445	406	178	178	498	99	668	438	867

STB Strata™ Air Cleaner

Applications:

- ☞ Airflow range 7.50 to 39.64m³/min
- ☞ Horizontal or vertical mount
- ☞ High dust, off road conditions

Part Number	Air Flow m ³ /min @ 150mm and @ 250mm restriction	Primary Element	Safety Element
STB10-0028	7.50 – 9.91	P12-7075	P12-4837
STB12-0129	12.5 – 16.71	P18-2044	P11-9371
STB14-0019	20.9 – 28.0	P18-2041	P11-9370
STB16-0071	29.7 – 39.65	P18-2039	P11-4931



Part Number	Body Diameter A	Height B	Outlet Diameter C	Body Diameter E	Check Valve F	Service Clearance G	Length H	Outlet Length I
STB10-0028	259	653	89	167	38	325	340	56
STB14-0129	300	697	127	230	38	340	395	100
STB14-0019	356	725	152	280	38	390	440	99
STB16-0071	406	820	178	330	38	440	500	99



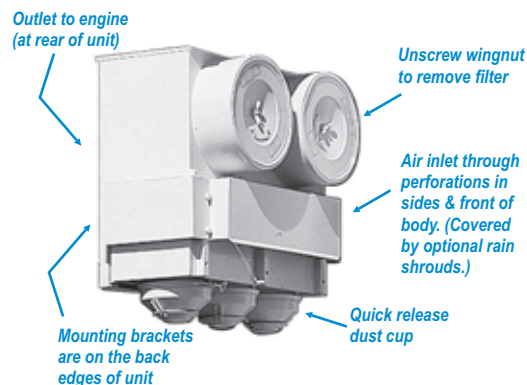
SRG Donaclone™ Air Cleaner

Applications:

- ☞ Airflow range 37.5 to 130.00m³/min
- ☞ Large, high horsepower off-road equipment

Features:

- ☞ Donaclone™ tube pre-cleaning uses cyclone action to spin out up to 98% of incoming dust before it reaches the filter element.
- ☞ Heavy duty construction for 375kW – 1500kW engines
- ☞ Large capacity filter elements provide 1000 to 2000 hour operation between element changes
- ☞ Safety element standard
- ☞ Only one critical element seal for maximum reliability

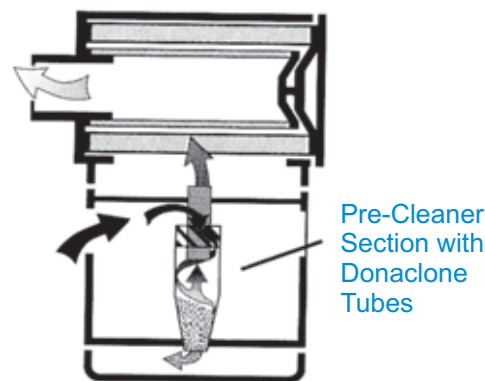


SRG 20 Models	
Model No.	Recommended Airflow (m ³ /min)
SRG20-0008	37.5 – 59.47

SRG 29 Models	
Model No.	Recommended Airflow (m ³ /min)
SRG29-0000	51.54 – 87.79
SRG29-0023	76.46 – 130.0

Airflow pattern “G”

Air in the side, through the pre-cleaner, out the end of the air cleaner (upper) portion



Air Cleaner	SRG20-0008	SRG20-0013	SRG29-0000	SRG29-0023
Replacement Part Number				
Upper Body (No Elements)	P12-4892	P12-4893	P11-5107	P11-5107
Lower Body	P11-7785	P11-7785	P11-5110	P11-8552
Primary Element	P14-0236	P11-7782	P14-0236	P14-0236
Safety Element	P11-5070	P11-7781	P11-5070	P11-5070
Wing Nut Gasket Washer	P10-5740	P10-5740	P10-5740	P10-5740
Clip – Wing Nut	P10-5738	P10-5738	P10-5738	P10-5738
Primary Wing Nut	P11-6175	P11-6175	P11-6175	P11-6175
Boot Gasket (Element)	P11-5097	P11-5097	P11-5097	P11-5097
Dust Bowl “O” Ring	P01-7804	P01-7804	P01-7804	P01-7804
Clamp Assy	P10-0808	P10-0808	P10-0808	P10-0808
Dust Cup (Quick Release)	P10-7375	P10-7375	P10-7375	P10-7375
Dust Bowl Gasket	P11-2789	P11-2789	P11-2789	P11-2789
Rest. Cap	P10-0091	P10-0091	P10-0091	P10-0091
Body Gasket	2 x P11-7791	2 x P11-7791	2 x P11-5096	2 x P11-5096
Body Gasket	2 x P11-5098	2 x P11-5098	2 x P11-5098	2 x P11-5098
Bolt	P10-7915	P10-7915	P10-7915	P10-7915
Nut	P11-5063	P11-5063	P11-5063	P11-5063
Flange Assy (O/let)	P11-9971	P11-7762	P11-9971	P11-9971
Pin	P10-9107	P10-9107	P10-9107	P10-9107
Safety Nut	P10-9063	P10-9063	P10-9063	P10-9063



Restriction Indicators

The “Informer”

A 63mm high restriction indicator that shows by graduated markings how much life is left in your engine air filter element. A colour-coded signal tells at a glance when a service is needed. Saves maintenance costs by avoiding under or over servicing and unnecessary element replacement.

Part no	Restriction limit - metric
RBX-00-2278	Measures restriction up to 508mm H ₂ O / 20" H ₂ O
RBX-00-2277	Measures restriction up to 635mm H ₂ O / 25" H ₂ O
RBX-00-2275	Measures restriction up to 762mm H ₂ O / 30" H ₂ O



Service Indicators

Only 30mm high, this mini restriction indicator is factory set to indicate red when the air cleaner must be serviced.

RBX-00-2250	Indicates at restriction of 381.0mm H ₂ O / 15" H ₂ O
RBX-00-2251	Indicates at restriction of 508.0mm H ₂ O / 20" H ₂ O
RBX-00-2252	Indicates at restriction of 635.0mm H ₂ O / 25" H ₂ O



Electrical Indicators

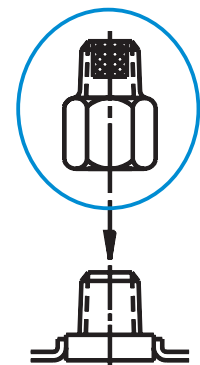
Indicates when restriction level reaches maximum recommended level. 12 – 24V can be connected to a light or buzzer.

REX77-0037	Indicates at restriction of 381.0mm H ₂ O / 15" H ₂ O
REX77-0050	Indicates at restriction of 508.0mm H ₂ O / 20" H ₂ O
REX77-0056	Indicates at restriction of 560.0mm H ₂ O / 22" H ₂ O
REX77-0062	Indicates at restriction of 635.0mm H ₂ O / 25" H ₂ O
REX77-0075	Indicates at restriction of 762.0mm H ₂ O / 30" H ₂ O



Restriction Indicator Fittings

Part no	Description
P10-0091	Nylon cap res fitting
D1397-11	45° Elbow fitting
P10-5168	Dash mount
D1397-01	Male fitting / nylon tube
D1397-05	Female fitting / nylon tube
P11-0796	Air cleaner fitting (flanged)
P12-2067	Fitting with Filter M / F
P10-0089	Fitting with Filter M / M

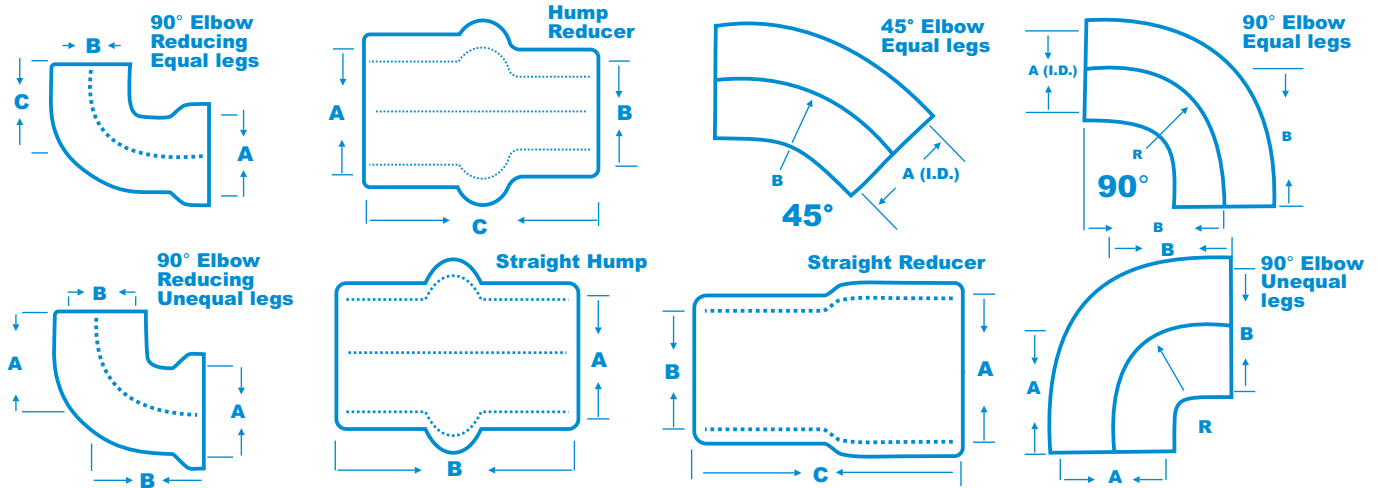


Representative thread diagram



Rubber Hose Connectors

All dimensions in mm.



45° Elbow – all dimensions in mm

PART No.	Dia "A"	Legs
D2671	45	73
P10-5541	51	102
P10-5542	57	105
D4051	57	90
D3376	57	85
P10-5543	63	109
P10-5544	76	122
P10-9331	89	127
P10-5545	102	131
P11-4316	114	130
P10-9021	127	151
P10-5546	140	155
P10-5547	152	164
P10-5548	178	190
P11-2606	203	203

Hump Reducers

PART No.	Dia "A"	Dia "B"	Lgth "C"
P10-2820	76	64	114
P52-0883	76	70	102
P10-1290	89	76	127
P92-0058	95	76	127
P10-1292	102	89	127
P10-1291	102	76	127
D2716	102	76	118
D2921	102	69	127
P12-6530	178	140	179
D3296	120	114	115
P92-0197	127	120	115
D3276	127	114	230
P10-1293	127	102	146
P10-3516	140	127	152
P10-1891	140	102	146
P10-1294	152	140	152
P11-2611	152	127	152
P11-2610	178	152	140
P11-4315	203	152	140
P11-2609	203	179	152

90° Elbow Reducing – Equal Legs

PART No.	Dia "A"	Dia "B"	Legs "C"
D1430	76	70	134
P12-3462	89	76	89
E50-0870	90	75	135
E50-0871	100	90	185
P11-7724	152	140	172
P14-3895	152	127	159
P15-9820	179	129	171

90° Elbow – Unequal Legs

PART No.	Dia "A"	Leg "A"	Leg "B"
D3899	57	95	87
D2698	57	95	70
D2793	76	127	102
D1719	89	185	135
D2616	102	146	116
D1014	102	146	96
D3061	127	152	127
D2902	127	152	112
D3038	153	180	160
D3010	64	102	57

90° Elbow Reducing – Unequal legs

PART No.	Dia "A"	Dia "B"	Lgth "A"	Lgth "B"
D1753	72	62	93	105
D3082	76	70	134	112
D3348	76	70	104	134
D2998	89	76	135	105
E50-0519	89	64	89	76
D2975	89	64	74	76
D2961	89	64	69	76
D3284	102	76	89	105
D1140	127	100	135	120
P12-8990	179	140	146	159

90° Elbow – Equal Legs

PART No.	Dia "A"	Legs "B"
P10-5529	51	89
P10-5530	57	95
D3009	57	70
P10-5531	64	102
P92-0546	64	82
P10-5532	76	127
D4068	76	102
P11-4318	89	139
P10-5533	102	146
P11-3733	114	140
P10-7844	127	152
P10-5534	140	162
P10-5535	152	180
P10-5536	178	192
P11-2605	203	216

Straight Hump

PART No.	Dia "A"	Lgth "B"
E50-0921	58	51
P10-5608	76	134
P10-5609	102	137
P11-4317	114	152
P10-5610	127	150
D3720	127	130
P10-5611	140	152
P10-5612	152	165
P10-5613	178	165
P11-2608	203	127
P11-1414	254	152

Straight Reducer

PART No.	Dia "A"	Dia "B"	Lgth "C"
P10-2948	51	45	64
P10-4087	51	38	64
P10-4088	57	51	64
P10-4090	64	57	64
P10-4089	64	51	64



Air Cleaner Hose Clamps

PART No.	Clamp range (mm)
D1419-04	6.0 - 16.0
D1419-06	10.0 - 22.0
D1419-08	14.0 - 25.0
D1419-12	14.0 - 32.0
D1419-16	17.0 - 38.0
D1419-20	19.0 - 44.0
D1419-24	25.0 - 51.0
D1419-28	32.0 - 57.0

PART No.	Clamping range (mm)
D1419-32	38.0 - 63.0
D1419-36	44.0 - 70.0
D1419-40	51.0 - 76.0
D1419-44	57.0 - 82.0
D1419-48	63.0 - 89.0
D1419-52	70.0 - 95.0
D1419-54	72.0 - 98.0
D1419-60	82.0 - 108.0

PART No.	Clamping range (mm)
D1419-64	89.0 - 114.0
D1419-72	102.0 - 127.0
D1419-80	117.0 - 140.0
D1419-88	121.0 - 146.0
D1419-96	135.0 - 165.0
D1419-104	152.0 - 178.0
D1419-112	165.0 - 190.0
D1419-128	185.0 - 216.0
D1419-152	206.0 - 254.0



Air Cleaner T-Bolt Clamps

PART No.	Clamping range (mm)
D2835-50	61.9 - 69.9
D2835-62	71.4 - 79.4
D2835-68	76.2 - 84.1
D2835-72	79.4 - 87.3
D2835-76	82.6 - 90.5
D2835-80	85.7 - 93.7
D2835-84	88.9 - 96.8
D2835-92	95.3 - 103.2
D2835-106	106.4 - 114.3
D2835-108	108.0 - 115.9
D2835-110	114.3 - 122.2
D2835-126	122.2 - 130.2
D2835-134	128.5 - 136.4
D2835-138	131.8 - 139.7

PART No.	Clamping range (mm)
D2835-142	134.9 - 142.9
D2835-144	136.5 - 144.5
D2835-154	144.5 - 152.4
D2835-158	147.6 - 155.6
D2835-164	152.4 - 160.3
D2835-170	157.2 - 165.1
D2835-174	160.3 - 168.3
D2835-186	169.9 - 177.8
D2835-196	177.8 - 185.7
D2835-208	187.3 - 195.3
D2835-212	190.5 - 198.4
D2835-218	195.3 - 203.2
D2835-242	214.3 - 222.3



Air Cleaner FHG Series Mounting Band

Part no	Fits O.D. (mm)
P92-0026	114.3
P00-2348	133.4
P00-7191	165.1
P00-4307	203.2
P00-4073	228.6

Part no	Fits O.D. (mm)
P00-4076	254.0
AAH00-0349	304.8
AAH00-0350	355.6
AAH00-0351	406.4





Ready-to-use coolant

This ready-to-use coolant package eliminates problems in diesel engine cooling systems created by incorrect coolant mixing procedures and poor quality water. It contains all the required additives and is ready to be added to your systems as is – no further mixing is required. Stringent quality measures are employed during mixing of this product to ensure that this product meets engine manufacturer specifications.



Part number	Description	Litres
DFF 1111	FLOW BIN with ready to use coolant	1000 litres
DFF 1110	Drum with ready to use coolant	210 litres
DFF 1109	Drum with ready to use coolant	20 litres

Coolant and Heater Silicone Hose

Our 3-ply hose is reinforced with 3 layers of polyester fabric and coated with a unique silicone elastomer. Donaldson coolant hose is designed to withstand extremes in operating temperatures ranging from -65°C to 177°C.

Part No.	ID Size (mm) Length 0,91m	Nominal O.D mm
P17-1371	16	25
P17-1372	19	27
P17-1373	22	30
P17-1374	25	34
P17-1375	28	37
P17-1376	76	40
P17-1377	35	43
P17-1378	37	46
P17-1379	41	49
P17-1380	44	53

Part No.	ID Size (mm) Length 0,91m	Nominal O.D mm
P17-1381	51	59
P17-1382	57	66
P17-1383	60	69
P17-1384	63	72
P17-1385	66	75
P17-1386	69	78
P17-1387	76	85
P17-1388	89	97
P17-1389	101	110



3-ply Coolant Hose Cutaway Illustration

Maintenance

Air Filtration Service Tips



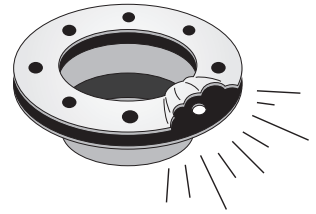
✓ Don't remove an air filter for inspection.

Such a check will always do more harm than good. Ridges of dirt on the gasket sealing surface can drop on the clean filter side when the gasket is released. Stick with the regular maintenance schedule, or, if you service by restriction, believe the gauge or restriction indicator. Get a new indicator if you don't trust your current one.



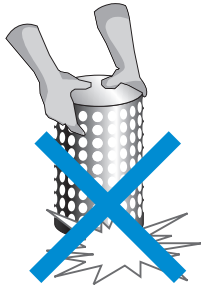
✓ Don't ignore worn or damaged gaskets.

If your air cleaner has a cover gasket, replace it with a new one. Always check to be sure that no piece of the old gasket remains in the housing and that the gasket is not worn. If your filter model calls for a new gasket with each use, never reuse the old one.



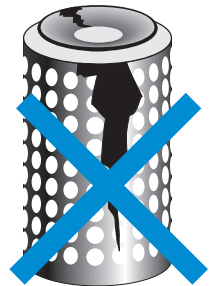
✓ Never rap an air filter to clean it.

Rapping hard enough to knock off dust damages the filter and destroys your engine protection. Deeply embedded dirt is never released by tapping. It is always safer to keep operating until you can change to a new filter.



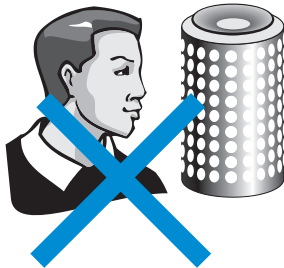
✓ Don't use a damaged or bunched filter.

Never install a dented or punctured filter because it cannot protect properly against contamination. A dent can make a firm seal impossible or can indicate damaged media. A filter with bunched pleats saps engine power, fuel and money.



✓ Never judge the filter's life by sight.

A dirty-looking filter may still have plenty of life left, while carbon contamination may not be visible to the eye. You can't see the dirt that's embedded deep within the filter paper. Your best bet for lowest filter maintenance costs and best engine protection is to follow a restriction indicator. It's a smart, low-cost investment.



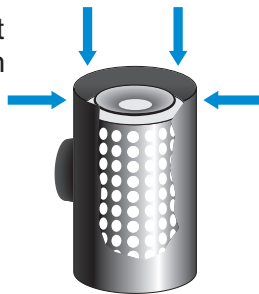
✓ Never leave an air cleaner open.

Your open air cleaner is a direct entry to the engine! Keep it protected during filter changes. Contaminants smaller than we can see will cause damage to a diesel engine. If the housing is not going to be reassembled immediately, cover the opening. The only way to be sure nothing got in, is to make sure nothing can get in!



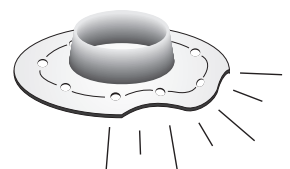
✓ Never substitute by sight.

Filters may look almost identical, but even a fraction of a mm difference in size can prevent a good seal or affect airflow. Selecting a filter by size may give you the wrong media area and grade and therefore affect service life and filter efficiency.



✓ Replace missing or damaged parts.

Check to ensure that there is no damage to the air cleaner housing that could cause a leak. Replace any missing or damaged Vacuator Valves and air cleaner fasteners. Never attempt to repair a damaged filter.



Donaldson – World leaders in Filtration Solutions

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