

NEW TopSpin™ Pre-Cleaner



It's Clear...The Donaldson TopSpin Pre-Cleaner

Can Maximize Your Intake System Extends Filter Life in Extremely Heavy Dust Conditions

Donaldson TopSpin will extend primary air filter life, boost system efficiency and extend engine life!

The see-through unit lets you view Donaldson TopSpin in operation.

Features

Separates up to 85% of incoming contaminant per ISO 5011/SAE J726

- Greatly extends air filter life
- Reduces air filter usage
- Lowers cost per operating hour
- Automatically ejects mixed debris
- Separates more than 99% of 20 micron and above particles

Operates at a lower RPM

- Less noise
- Longer bearing life
- Lower restriction

Self-cleaning/self-scavenging

- No maintenance to clean bowl
- No exhaust ejector required

Easy installation

- Quick installation
- One clamp to tighten
- No wires or power requirements

Dual mounted bearings

- More robust design
- Extends bearing life

Lighter Weight

- Lighter than competitive pre-cleaners
- Lighter than Donaldson full-view pre-cleaner

Application

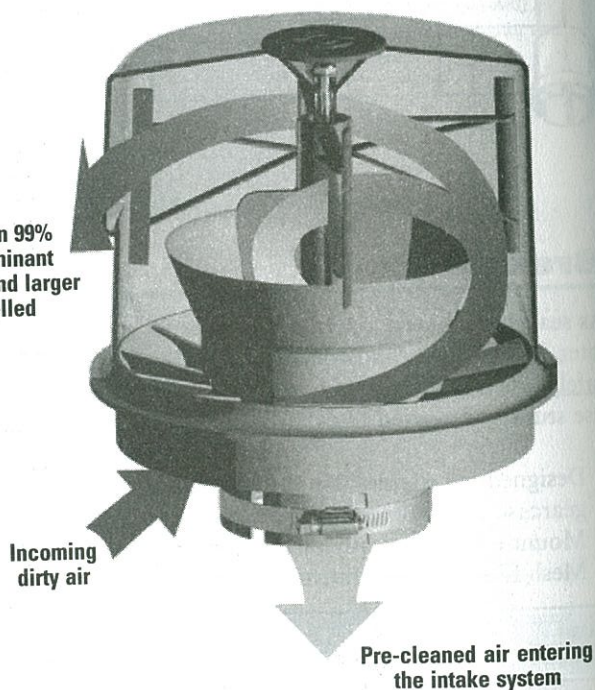
- For engine airflows of 80 to 1500 cfm.
- Primarily used in medium to heavy dust environments.
- Great for off-road vehicles & equipment from crawler tractors to farm tractors to skid steer loaders.
- Recommended mounting: on top of the engine intake stack.



Donaldson TopSpin mounted on a grader. The aerodynamically designed TopSpin™ is made of a lightweight, durable, non-corroding material which makes it tolerant to all weather and operating conditions.

Intake Accessories

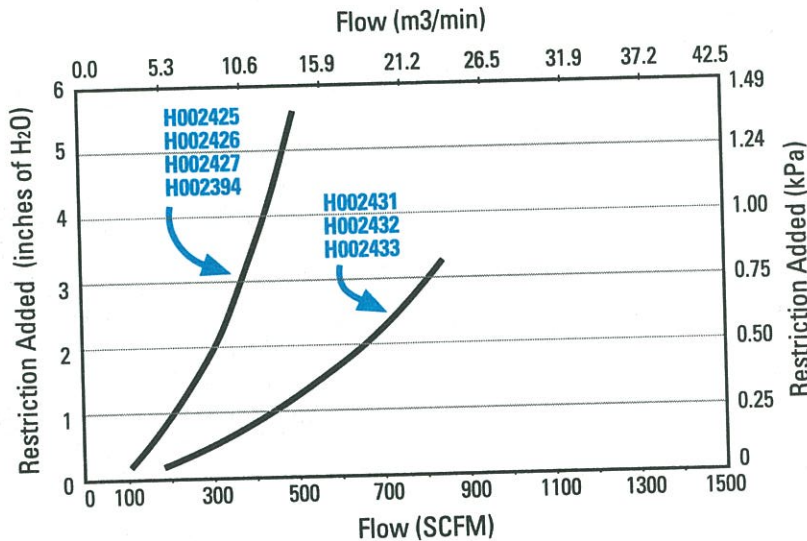
More than 99% of contaminant 20 micron and larger is expelled



TopSpin pre-cleaners are protected internationally by patents, trademarks, and design registrations, both issued and pending.

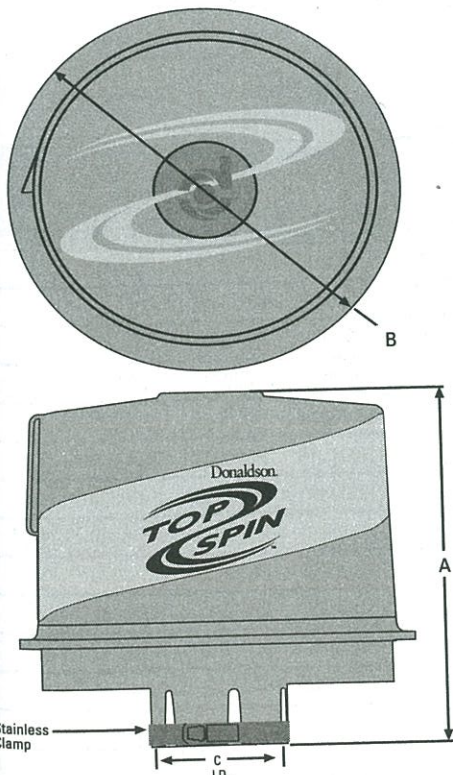
Performance Curves

Test conducted per ISO 5011/SAE J726. Performance test results are an average from testing several units.



Dimensional Specifications

Donaldson TopSpin can be mounted horizontally or vertically. Installation instructions, stainless clamp and warranty are included. Operating temperature range: -40°F to 180°F (-40°C to 82°C)



TopSpin Pre-Cleaner

Outlet I.D. (C)		Overall Height (A)		Body Dia. (B)		Part Number	Weight	
in	mm	in	mm	in	mm		lbs.	kg.
3.07	78	9.39	238	9.51	242	H002425	2.2	1.0
3.83	97	9.39	238	9.51	242	H002426	2.2	1.0
4.06	103	9.39	238	9.51	242	H002394	2.2	1.0
4.06	103	11.30	287	11.32	288	H002431	2.7	1.2
4.56	116	9.39	238	9.51	242	H002427	2.2	1.0
4.56	116	11.30	287	11.32	288	H002432	2.7	1.2
5.03	128	11.30	287	11.32	288	H002433	2.7	1.2
COMING SOON!								
2.03	56	5.75	146	6.38	162	H002434	1.0	0.4
2.27	58	5.75	146	6.38	162	H002435	1.0	0.4
2.53	64	5.75	146	6.38	162	H002436	1.0	0.4
3.03	77	5.75	146	6.38	162	H002437	1.0	0.4
6.03	153	13.57	345	15.62	297	H002438	6.0	2.7
7.03	179	13.57	345	15.62	297	H002439	6.0	2.7

Cross reference from a full view pre-cleaner to a TopSpin pre-cleaner is on page 88.

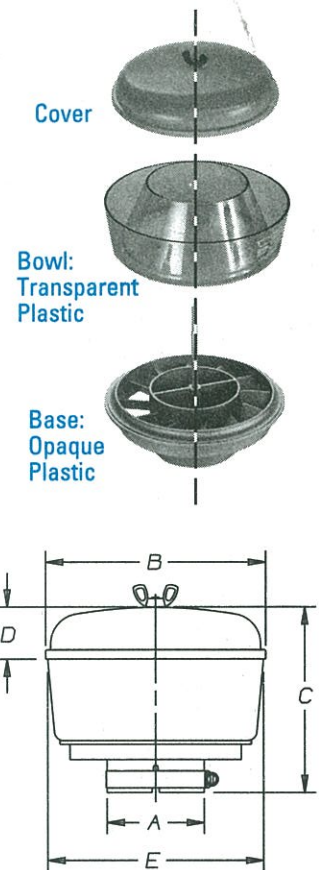
Full-View Pre-Cleaner

Helps Extend Filter Life on Agricultural & Construction Equipment

STOP!

Donaldson has a new pre-cleaner called TopSpin. Before you consider replacing your full-view pre-cleaner with another one, check out the TopSpin models on the previous two pages.

Full-View Pre-Cleaner	TopSpin Pre-Cleaner
H000820	H002425
H000821	H002426
H000858	H002394
H000823	H002427
H001250	H002435
H001251	H002436
H001249	H002437
H001823	H002434
H002043	H002433
H002044	H002432
H002045	H002431
H002223	H002438
H002224	H002439



Features

- Recommended mounting: on top of the engine intake stack
- Centrifugal force in bowl separates up to 75% of incoming dust before it enters the engine air intake system
- Low maintenance!
- Durable, lightweight, noncorrosive construction
- Full-view plastic bowl lets operator easily see when service is needed
- One-bolt cover retention for service when dirt reaches the level of the arrow, remove top nut and plastic body then empty – no tools required
- Mounting clamp included

Intake Accessories

Full-View Pre-Cleaners Specifications

Inlet (ID/OD)		--- B ---		--- C ---		--- D ---		--- E ---		Weight		Entire F.V. Pre-Cleaner	Replacement Cover	Replacement Bowl	Max. airflow CFM
in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg				
1.75	44	5.59	142	4.75	121	1.72	44	5.50	140	1.8	0.8	H002042	P020116	P020115	80
2.00	51	5.59	142	4.75	121	1.72	44	5.50	140	1.5	0.7	H002040	P020116	P020115	90
2.00 ¹	51	7.34	186	6.19	157	1.72	44	7.25	184	1.7	0.8	H001823	P020648	P020227	110
2.25	57	7.34	186	6.19	157	1.72	44	7.25	184	1.7	0.8	H001250	P020648	P020227	130
2.50	64	7.34	186	6.19	157	1.72	44	7.25	184	1.7	0.8	H001251	P020648	P020227	150
3.00	76	7.34	186	6.19	157	1.72	44	7.25	184	1.6	0.7	H001249	P020648	P020227	170
3.00 ¹	76	10.63	270	7.66	195	1.84	47	10.50	267	4.9	2.2	H000820	P016548	P016330	320
3.75	95	10.63	270	7.66	195	1.84	47	10.50	267	4.9	2.2	H000821	P016548	P016330	330
4.00	102	10.63	270	7.66	195	1.84	47	10.50	267	4.9	2.2	H000858	P016548	P016330	340
4.00 ¹	102	12.06	306	8.19	208	2.00	51	11.94	303	6.4	2.9	H002045	P020345	P020344	660
4.50	114	10.63	270	7.66	195	1.84	47	10.50	267	4.8	2.2	H000823	P016548	P016330	340
4.50 ¹	114	12.06	306	8.19	208	2.00	51	11.94	303	6.3	2.9	H002044	P020345	P020344	700
5.00	127	12.06	306	7.69	195	2.00	51	11.94	303	6.2	2.9	H002043	P020345	P020344	740
6.00	152	16.25	413	10.00	254	2.81	71	15.94	405	13.4	6.1	H002223	P104691	P158324	1300
7.00	178	16.25	413	10.00	254	2.81	71	15.94	405	13.4	6.1	H002224	P104691	P158324	1500

1 - Heavy Duty Option