

An increased filter life means decreased **maintenance downtime**



Air filter life is directly related to the amount of debris ingested through an engine's air intake. Installing a Sy-Klone Series 9000® Air Precleaner as the first stage of an air intake system prevents the majority of heavier-than-air particles from entering the system. This results in longer air filter life, more efficient engine performance and decreased maintenance expenses.

Air Flow Range: Nine models in sizes from 2" to 8" range from 10 - 1,400 CFM (0.28 to 39.64m³m) and much higher with multiple unit installations, contact Trysome for details.

Mounting & Equipment Types: Mounts on all vertical and horizontal air cleaner housing, on all machines, replacing tube body systems or internal precleaners.

Maintenance: Self-cleaning & routine maintenance-free

Applications: Off-road conditions, construction, mining, forestry, waste, agriculture, military and more.

Debris Types: Expels all types of mixed debris, including mud, snow, rain, leaves, sawdust, chaff and dust. Heavier debris requires additional heavy debris screen, and an agricultural screen is extremely effective against chaff.

**THE REAL
WORLD
IS OUR
LABORATORY!™**



How it works...

Step 1:

Air enters the underside of the dome through screened louvres. This prevents clogging by blocking any particles larger than the ejection slot from entering the unit.

Step 2:

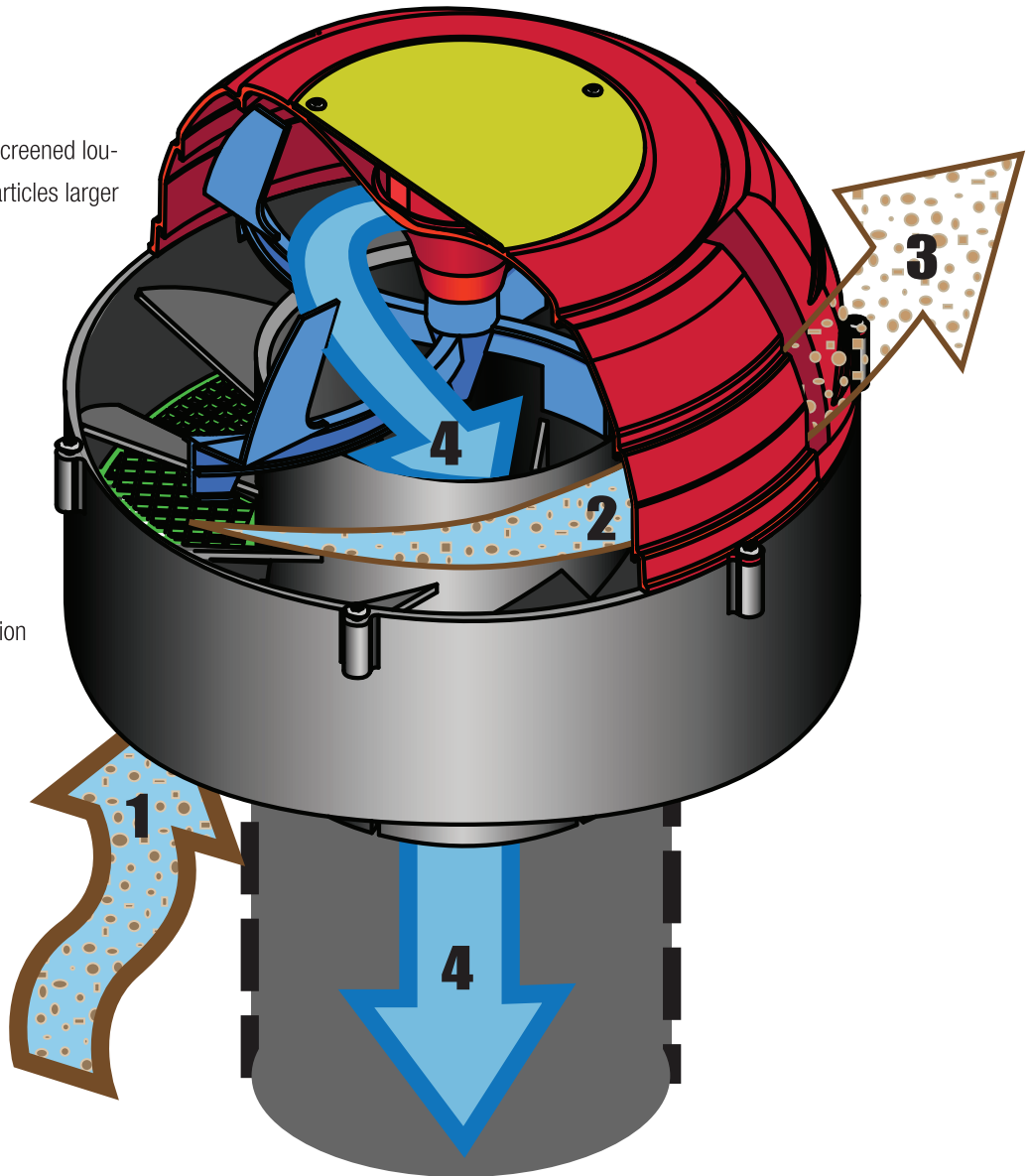
Curved particle accelerator blades push dirt against the side wall.

Step 3:

Strakes (angled fins) along the interior surface move heavier-than-air debris towards the ejection slot.

Step 4:

Clean air continues to swirl down into the engine air inlet pipe.



Benefits

- Extends air filter life
- Handles all kinds of mixed debris, including mud, snow, rain, leaves, saw dust, chaff, and dust
- Lowers cost per operating hour by reducing parts, labour, & downtime
- Increases up time
- Extends engine life
- Lowers air restriction, which increases useable horsepower and improves fuel efficiency
- Easy to install
- Claims against our warranty are practically non-existent
- Rugged engineered polymer construction gives you the strength of steel (without the corrosion) at the cost of plastic



Registered to
ISO 9001:2008

Sy-Klone EJECTIVE precleaners
means DECREASED maintenance!

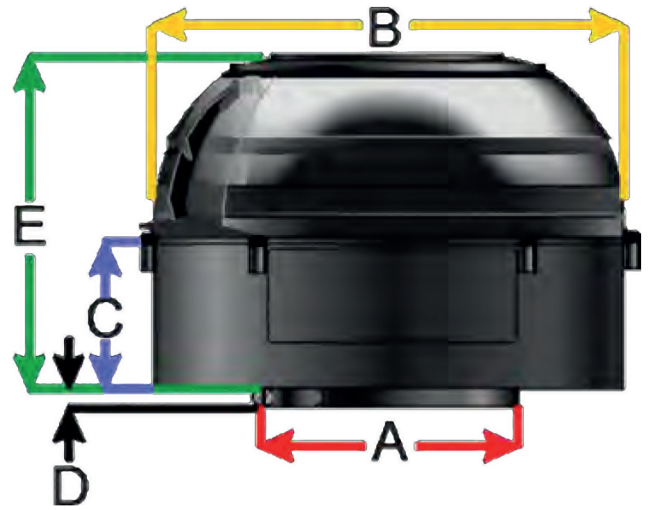
Dimensions, Airflow & Hood Clearance:

Choosing the correct series 9000 model

It is essential that you select the correct model based on CFM (m^3/m) requirements, not air inlet size (A)

For assistance with selecting the correct model for your equipment, please contact our technical support department.

You must allow adequate clearance between the hood and the base of the pre-cleaner for it to function properly. There are extension pipes and other adaptation parts available to increase clearance when necessary.



We leave our competition in the DUST...literally!



Dust Ejector:

Tubes can clog, disabling the precleaner. Less effective on mixed debris. Tubes can melt due to exhaust gas. Not accessible for inspection or cleaning.



Dust Bowl:

Can crack, can rust, can cloud, leading to inability to service. Requires dumping, and shortens filter life when full. Not effective on mixed debris.



Internal Precleaners:

The valve can tear, crack, remain open, or fall off, causing precleaner failure and shortened air filter life. Often painted in the open position, disabling function. If dump valve is off or not working, debris can be sucked in through the dump valve port.

The sizing matrix has been recently updated, and it applies to electronically and non-electronically controlled engines. Efforts have been made to take into consideration the more restrictive components found on current air intake systems. Precleaner sizing recommendations balance initial restriction requirements with precleaning efficiency to provide the longest filter life and best engine performance. Recent additions to the Series9000 product lines allow for precision in the sizing of precleaners that was previously not possible. This matrix replaces all previous sizing matrices.

Model	Dimensions in inches or millimetres (ID = inner diameter)						Airflow CFM / m³/m		Weight lb or kg	Min. Hood Clearance inch / mm
	A (ID)	B	C	D	E	D+E	Min	Max		
9000	2.015"	4.5"	0.8"	0.5"	2.5"	3"	10 CFM	50 CFM	0.5 lb	2"
	51.18 mm	114.3 mm	20.3 mm	12.7 mm	63.5 mm	76.2 mm	0.28 m³/m	1.42 m³/m	0.2268 kg	50.8 mm
9000R	3.021"	6.7"	1.2"	0.5"	3.7"	4.2"	50 CFM	120 CFM	0.8 lb	3"
	76.73 mm	170.2 mm	30.5 mm	12.7 mm	94 mm	106.7 mm	1.42 m³/m	3.4 m³/m	0.3629 kg	76.2 mm
9001	4.031"	8.507"	2.6"	0.9"	5.8"	6.3"	100 CFM	275 CFM	2.6 lb	4"
	102.38 mm	216.1 mm	66.1 mm	22 mm	146.5 mm	159.7 mm	2.83 m³/m	7.79 m³/m	1.179 kg	101.6 mm
9001R	4.031"	8.507"	2.603"	0.9"	5.768"	6.288"	275 CFM	350 CFM	2.4 lb	4"
	102.38 mm	216.1 mm	66.1 mm	22 mm	146.5 mm	159.7 mm	7.79 m³/m	9.91 m³/m	1.089 kg	101.6 mm
9005	5.03"	10.63"	2.97"	0.9"	7.03"	7.9"	350 CFM	500 CFM	2 lb	5"
	127.29 mm	270.05 mm	75.44 mm	22 mm	178.56 mm	200.66 mm	9.91 m³/m	14.16 m³/m	0.91 kg	127 mm
9002	6.042"	13.1"	4"	2.5"	8.6"	11.1"	500 CFM	650 CFM	6.5 lb	6"
	153.74 mm	331.8 mm	102 mm	63.5 mm	218.5 mm	282 mm	14.16 m³/m	18.41 m³/m	2.948 kg	152.4 mm
9002R	6.042"	13.1"	4"	2.5"	8.6"	11.1"	650 CFM	800 CFM	6.4 lb	6"
	152.74 mm	331.8 mm	102 mm	63.5 mm	218.5 mm	282 mm	18.41 m³/m	22.65 m³/m	2.903 kg	152.4 mm
9003	8.062"	18"	5.3"	3"	11.4"	14.4"	800 CFM	1150 CFM	11.8 lb	8"
	204.77 mm	457.2 mm	135.7 mm	76.2 mm	290.5 mm	366.7 mm	22.65 m³/m	32.56 m³/m	5.352 kg	203.2 mm
9004	8.062"	18"	5.3"	3"	11.4"	14.4"	1150 CFM	1400 CFM	11 lb	8"
	204.77 mm	457.2 mm	135.7 mm	76.2 mm	290.5 mm	366.7 mm	32.56 m³/m	39.64 m³/m	4.99 kg	203.2 mm

Airflows above 140 CFM (39.64 m³/m) can be handled with multiple unit installations.



These products may not be stock items. Please speak to our sales representative about lead times. Lead times, price and availability can only be determined on receipt of an official quote from our supplier. This can sometimes take up to 3 days.

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