

Dust Hound GPC

Compact Cyclone

Applications

- Pre-filter for existing dust collection
 - Increased filter life
 - Lower compressed air usage
 - Uncontaminated dust collection for re-use
- Local / point of use dust collection
- Confined space dust collection
- Pneumatic conveying

Industries

- Woodworking
- Foundry
- Mining and quarries
- Chemical
- Manufacturing
- Steel and metal finishing
- Ceramics
- Many more...

The Aerodyne Dust Hound GPC cyclone is a compact dust collector with three sizes (2,000 ACFM, 4,000 ACFM, and 8,000 ACFM). The compact design allows it to be installed in areas where traditional cyclones will not fit. Constructed of carbon steel, the cyclone uses a Ground Plate to divert dust towards the walls, as clean air exits the cyclone.

Traditional cyclone's use a long, sloped wall to concentrate the dust near the hopper, where vortex reversal happens. Dust re-entrainment can often occur as there is no physical barrier. The Dust Hound's Ground Plate isolates the cyclonic chamber from the hopper.

The Dust Hound GPC is an ideal pre-filter for cartridge collectors, baghouses, electrostatic precipitators, and wet scrubbers. Contact Aerodyne for additional information (White Paper: *5 Reasons to Install a Pre-Filter, Differences Between Cyclone Designs*).



Benefits of the Dust Hound GPC

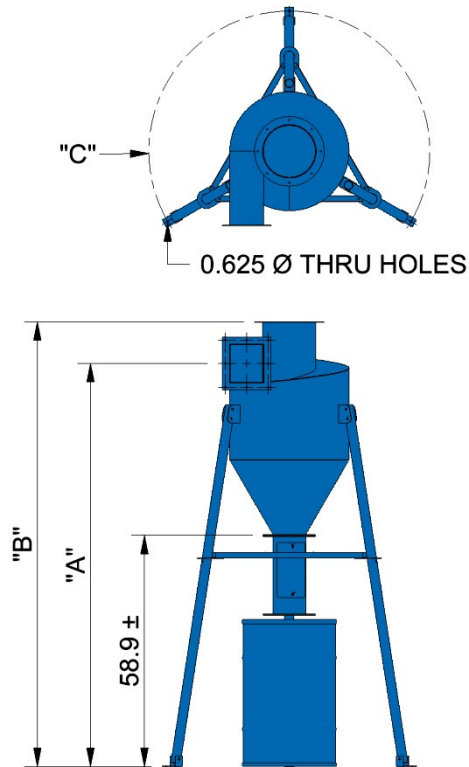
- Economically priced and robust design
- Compact size
- Removal efficiency is 99% of 20 micron dust
- The 2,000 ACFM cyclone's internal volume is less than 8ft³, which allows it to be installed indoors on certain combustible applications per NFPA-654 7.13.1.1.2 (2), air separators with a dirty side volume less than 8ft³ can be located indoors.



Aerodyne®
ENVIRONMENTAL

17387 Munn Road
Chagrin Falls, OH 44023
(440) 543-7400
(440) 543-7404 Fax

www.dustcollectorhq.com



Dust Hound GPC Size			
Pressure Drop	DH-24	DH-30	DH-48
3" W.C.	1500 ACFM	2500 ACFM	6800 ACFM
5" W.C.	1925 ACFM	3200 ACFM	8800 ACFM
7" W.C.	2300 ACFM	3800 ACFM	10,500 ACFM
Approx. Dimensions (inches)	DH-24	DH-30	DH-48
A	91-3/4	102-5/8	133-15/16
B	101-1/4	113-1/4	148-5/16
C	62-1/16	71-3/8	102-13/16

Accessories

- Steel support stand
- Exhaust fan
- VFD controller
- Differential pressure gage
- Airlocks

Aerodyne manufactures the following cyclones and airlocks:

- **GPC Cyclone:** Compact cyclone (vertical and horizontal designs)
- **SplitStream Cyclone:** Tough dust applications
- **Vacu-Valve:** Low cost alternative to rotary valve
- **Double Dump Valve:** Low air leakage airlock
- **Rotary Valve:** Low leakage and abrasive designs available
- **Knife Gate:** Manual and pneumatic