# AIRLANCO® Dust Collection Cyclones

## Custom Engineered for Maximum Efficiency


Economical AIRLANCO Cyclones come in three models designated HE, HV, and RC. They operate without any filter media to clean or replace and are custom-made for their intended applications. We manufacture Cyclones in carbon or stainless steel with round or square inlets and supply a variety of ancillary components, such as duct work, fans, airlocks, and other equipment to provide complete integrated systems.

**HE Series Cyclones** provide high-efficiency separation of dust and particulates from plant and process air. They can handle high temperatures, high moisture content, and high airflow. HE Cyclones are sometimes used as pre-filters to remove large, hot, or moist particles that could damage filter media in other types of collectors. Their size is limited for maximum efficiency; consequently HE Cyclones are often ganged to meet the demands of very high air volumes.

**Rotatable Draw-Thru** can be positioned for convenient clean air orientation.

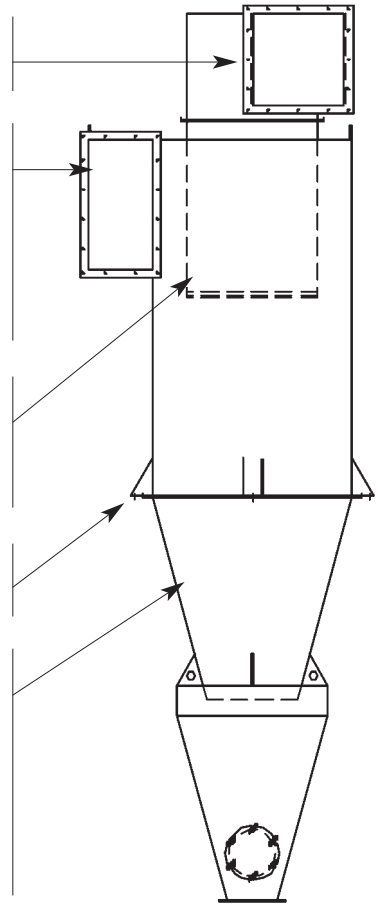
**Involute Inlet** runs 180° around the Cyclone to optimize cyclonic action inside the unit so that dust particles are forced against the outside wall where inertia and gravity can separate them from the airstream.

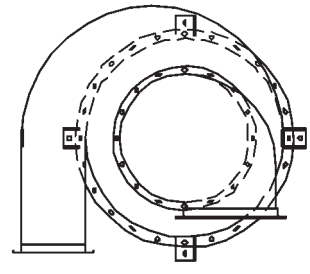
**Inner Riser Tube** directs the ascending secondary vortex to the draw-thru during the final phase of particle separation.

**Flanged Construction** and lifting lugs facilitate on-site assembly.

**Hopper Cone** features an 8" diameter bolted inspection door. Standard hopper slope is 75° to ensure proper particle flow. If the diameter of the discharge is nonstandard, the hopper height will change to maintain the slope.

**Heavy-Duty Support Structure** (not shown) ensures stability.





**HV Series Cyclones** are built to handle very large air volumes. They are designed for outdoor installations where physical size is unrestricted. These units normally serve as primary receivers at processing plants where they separate material from process air.

**RC Series Cyclones** are typically used as primary receivers for dry bulk solids in our pneumatic conveying systems.