

Dust Collectors



Various dust collectors available to meet your requirements

When it comes to cement bulk plants, we have the manufacturing technology, experience, and skilled craftsmen to ensure superior quality. We offer various ASME and non-code dust collectors to meet your dust control requirements and to help your bulk plant stay in compliance with federal and state clean air regulations.

Our portfolio includes: ASME pressure/vacuum dust collectors, ASME code Torit dust collectors, non-code pressure/vacuum dust collectors, and non-pressure dust collectors. Multiple mounting options are available for all of our offerings, and they come complete with a shotblast, three-coat paint system, and customer choice of colors.



ASME Pressure/Vacuum Dust Collector

900-ft³/m unit designed per ASME Code for 40 psi and 30-in. Hg at -20°F

The unit utilizes 31 GORE-TEX high durability filter bags having an efficiency rating of 99.034% (particulate size .300 um). This filtering system satisfies all state and federal air quality requirements. Two access hatches are installed in the dust collector shell for internal service, and a tank is provided with a 3-in. vacuum inlet manifold and a 3-in. vent manifold (other manifold sizes available). A pneumatic shaker is installed for shaking the dust from the filter bags.



ASME Code Torit Dust Collector

Revolutionary product from Wilco™ in coordination with the global leader in filtration technology, Donaldson Torit

The ASME Code Torit dust collector is a pressure vessel designed to ASME Section VIII, rated for full vacuum and maximum working pressure. Inside the tank, four Donaldson PowerCore filters are mounted in secure retention brackets. These state-of-the-art filters provide an impressive yet conservative flow rating of 900 SCFM while maintaining a MERV 13 filter efficiency rating per ASHRAE 52.2-2007.

Filters are cleaned via a reverse pulsejet design, positioned optimally for efficient cleaning of the filters. The cleaning is controlled using a custom controller with a standard periodic cleaning cycle and with an operator-initiated manual cleaning cycle either from the plant control room or from a button on the controller box. Filters are easily changed in minutes with no tools required. Filter replacement cost is roughly one-quarter of that of a conventional bag filter of similar capacity.

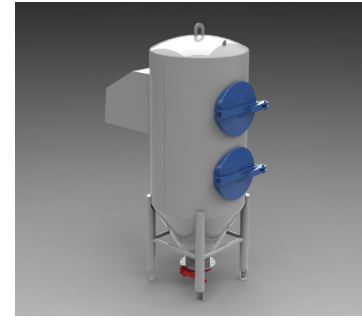
The tank is a drop-in replacement for the Wilco 19- and 31-bag dust collectors for minimal installation downtime. This is a direct fit for Wilco 400- and 700-ft³ scale and blend tanks, but custom tank mountings can be arranged. The collectors require 10 SCFM of 90- to 100-psi clean, dry, compressed air for cleaning and 110 V for controls.



Non-Code Pressure/ Vacuum Dust Collector

900-ft³/m unit designed for vented, non-pressure operation

Our non-code pressure/vacuum dust collectors utilize 31 GORE-TEX high durability filter bags having an efficiency rating of 99.034% (particle size .300 um). Two access hatches are installed in the side of the dust collector for service, and a pneumatic shaker is installed for shaking the dust from the filter bags. This unit is offered with or without a high-pressure direct drive blower.

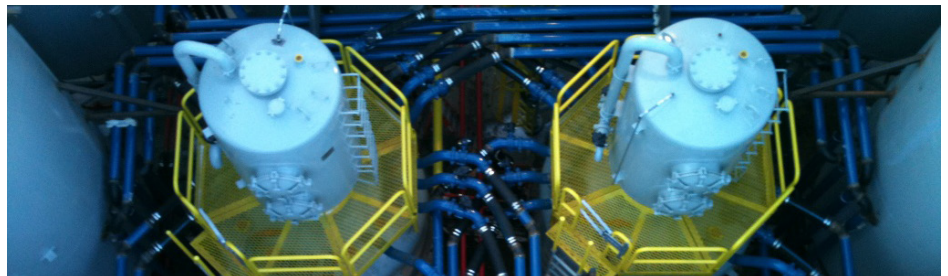


Non-Pressure Dust Collector

600-ft³/m unit designed for vented, non-pressure operation

Wilco non-pressure dust collectors are designed specifically for vent air cleaning for bulk cement plants. The unit utilizes 19 GORE-TEX high durability filter bags having an efficiency rating of 99.034% (particle size .300 um).

Two access hatches are installed in the side of the dust collector for service, and a pneumatic shaker is installed for shaking the dust from the filter bags. Larger-sized dust collectors are available upon request.



Specifications

	Weight	Diameter	Length
ASME Pressure/Vacuum Dust Collector	1,590 lb	5 ft	11 ft (with standard mounting configuration)
Non-Code Pressure/Vacuum Dust Collector	2,080 lb	5 ft	7¾ ft (with standard mounting configuration)
Non-Pressure Dust Collector	1,600 lb	4 ft	11½ ft (with standard mounting configuration)