

Acrison®

Dust Collector Bag Dump Stations Models DCBDS-500 and DCBDS-1000

Models DCBDS-500 and DCBDS-1000

Acrison Models DCBDS-500 and DCBDS-1000 Dust Collector Bag Dump Stations have been designed primarily for use with Acrison dry solids metering/hoppering equipment as a clean, safe and efficient means of emptying the contents of a bag into a storage hopper without dust escaping into the atmosphere. Typically, these Dust Collector Bag Dump Stations mount directly onto the cover of a supply or storage hopper furnished by Acrison.

When the loading hatch of the Bag Dump Station is opened, the Dust Collector's blower automatically energizes, producing a negative air flow through the bag loading area, drawing dust generated by the bag emptying process into a cartridge filtering system where air/dust separation occurs. Only clean air is discharged into the atmosphere, thereby eliminating the need for any type of external venting requirements. Upon completion of a bag emptying sequence, and closing the loading hatch, the filter(s) are automatically cleaned by a reverse blast of dry, filtered compressed air from a pulse-jet system. Trapped material (dust) discharges into the supply or storage hopper upon which the Dust Collector Bag Dump Station is mounted.

The Model DCBDS-500 is designed with a single cartridge filter, and the Model DCBDS-1000 with two cartridge filters. The cartridges utilize a specialty fabric that allows easy release of trapped dust, even when possessing adhesive characteristics. Designed for high efficiency and longevity, the fabric filter area of a single cartridge filter is 61 square feet. Dust collection efficiency is 99.997% of all dust particles as small as 0.03 microns entering the filtering media.

The housings of both the Model DCBDS-500 and DCBDS-1000 Dust Collector Bag Dump Stations are heavy gauge steel with all-welded construction. Access to the cartridge filter(s) on both units is via hinged, dust-tight doors, held secure with quick release captive Tee-handle bolts.



A 1.5 horsepower, totally enclosed motor powers the heavy-duty, directly driven centrifugal blower used with both the Models DCBDS-500 and DCBDS-1000 Dust Collector Bag Dump Stations; the blower housing and fan are aluminum. Operating voltages are typically 230/460/3/60, but other voltages can be furnished upon request. Optionally, both the Models DCBDS-500 and DCBDS-1000 are available for operation in hazardous areas.

Product contact surfaces are available in mild steel, 304 and 316 stainless steel. Mild steel units are painted with Acrison's standard industrial-duty blue/gray enamel.

Acrison, Inc.

20 Empire Blvd.
Moonachie, NJ 07074
201-440-8300 • Fax: 201-440-4939
Toll Free: 800-4-ACRISON
Email: Informail@acrison.com
Website: www.acrison.com