

# BLAST CABINET Dust Collection



Clemco Industries Corp.

**Solutions to Increase Productivity and Efficiency**

# Protecting Employees

## Dust Collection Tailored to Your Application

- Upgrade to cleaner, more efficient system
- Dramatically improve media cleaning
- Decrease dust emissions
- Enhance productivity and operational efficiency

### Dust Bags

Dust bags offer an economical method of filtering exhaust air. The most inexpensive form of dust collection, dust bags are used on cabinets equipped with a media reclaimer with powered exhaust. Adding a reclaimer and dust bag to a basic cabinet offers improved visibility and reduces air-borne contaminants. Available in two sizes: 300 and 600 cfm.

### Dry Filters

For light to medium-duty-use cabinets with the exhaust mounted on the reclaimer, Dry Filters capture dust in a series of tubular cloth filters. The exhaust pulls dust-laden air through the reclaimer, pushes it to the Dry Filter, which traps up to 98 percent of dust particles down to 1 micron. Available in three models: 300-, 600-, and 900-cfm.

### Reverse-pulse Dust Collectors

For high-production, aggressive-media applications, nothing outperforms a reverse-pulse cartridge collector. A powerful exhaust motor, mounted on the clean-air side of the dust collector, draws dust-laden air from the cabinet sump through the reclaimer and through reinforced, pleated filter cartridges in the collector.

ZERO cartridge-style collectors trap 99.7 percent of dust particles down to 0.5 micron. Ten models are available: from 600- to 3600-cfm.

## Dust Bags for Occasional-Use Applications

*For intermittent blast operations, cloth dust bags trap dust expelled by the cabinet reclaimer. ZERO dust bags are double-wall construction, 100 percent cotton sateen. Zippered clean-out permits quick removal of trapped dust and contaminants.*

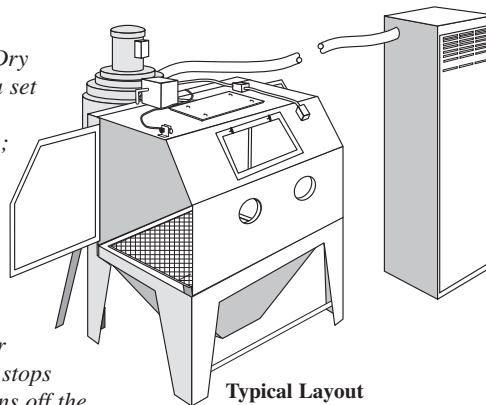


Dust bag for occasional-use mounts on cabinet reclaimer.

## Dry Filters for Light - Duty Applications

*The ZERO Dry Filter uses a set of cotton sateen tubes; the higher the cfm rating, the greater the number of tubes.*

*The operator periodically stops blasting, turns off the exhaust motor, and shakes a handle to knock the dust from the insides of the tubes into a tray at the bottom. The operator must empty the tray.*



Dry filter with cotton sateen tubes for light-duty blast operations.

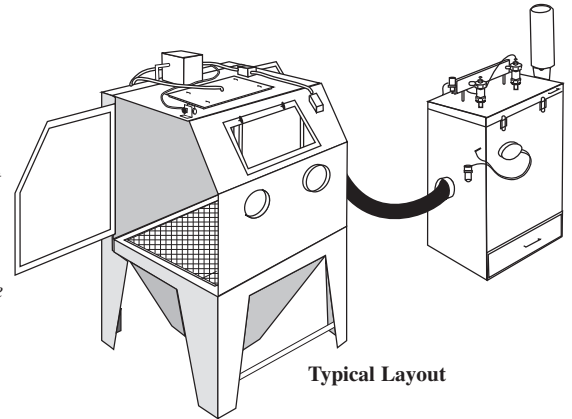
# Protecting the Environment

## Reverse-Pulse Cartridge Dust Collectors for Medium- to High-Production Industrial Applications



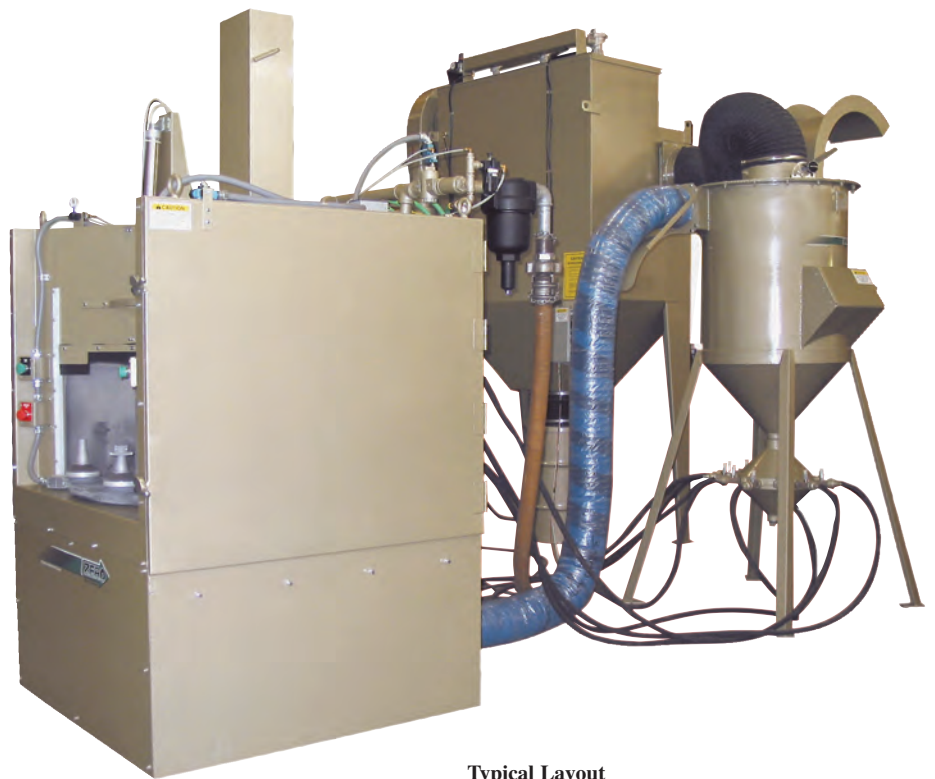
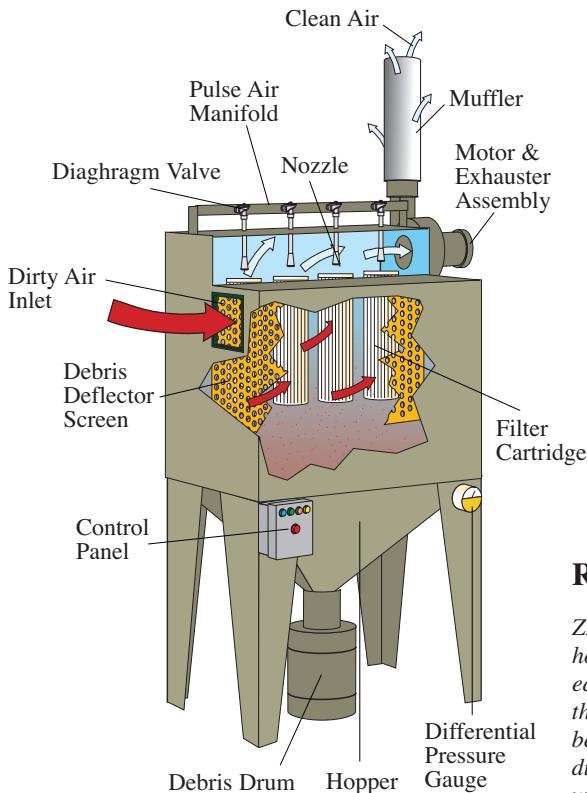
### RPC Models

For medium to high-production applications, a pull-through cartridge-style exhaust system is recommended. No dust or contaminants ever come into contact with the reclaiming impeller blades, maximizing efficient airflow and reducing maintenance costs. All ducting and conveying hoses operate under negative pressure, eliminating dust leaks.



Typical Layout

Reverse-pulse collectors feature wire-reinforced, pleated-polyester fiber filter cartridges.



Typical Layout

### RPH Models

ZERO RPH dust collectors feature a built-in hopper to minimize dust-handling activity. At each pulse, dust falls first into the hopper and then into a sealed disposal drum or bag beneath it. The operator never handles the dust—an important safety feature, especially when blasting hazardous or unknown materials.

RPH collectors are commonly used in multi-shift and high-volume operations, for manufacturing, automotive parts rebuilding, and coating removal.

## Optional HEPA Filtration

For environments especially sensitive to dust emissions, standard HEPA filters offer an efficiency rating of 99.97 percent down to 0.3 micron. Three standard models are available: 600-, 900-, and 1200-cfm. HEPA filters are for use with RPC and RPH dust collectors. Larger sizes are available on request.



Magnahelic®  
Gauge

Optional HEPA shown with RPC model.



## Optional Photohelic® Gauge

Standard ZERO RPC and RPH models include a Magnahelic® gauge that measures pressure drop across the filter to indicate when the filters require service. To achieve optimum efficiency and pulse sequence in reverse-pulse dust collectors, a Photohelic® gauge measures the change in static pressure in the exhaust system and triggers the cartridge pulse-cleaning cycle.

Magnahelic® and Photohelic® are registered trademarks of Dwyer Instruments Inc.

*When choosing dust collection, always consider: size of enclosure, production volume, condition of part to be blasted, dust generated by media and the material being blasted, and airflow rating of reclaimers.*

## Cabinet Dust Collectors

Dust Collection Style & Model	Stock Number	Nominal Airflow (Rating (CFM))	Filter Area (ft²)	Qty of Tubes or Cartridges	Tube or Cartridge S/N	HP & Electrics	Overall Exterior Dimensions WxDxH (inches)	Weight (lbs)
-------------------------------	--------------	--------------------------------	-------------------	----------------------------	-----------------------	----------------	--	--------------

### OCCASIONAL-USE APPLICATIONS Not for toxic dust applications.

Dust Bag	11501	300	20					2
Dust Bag	11502	600	29					3

### LIGHT DUTY APPLICATIONS Not for toxic dust applications.

Dry Filter 300	12699	300	75	15 tubes	11503	n/a	30 x 16 x 79	180
Dry Filter 600	12700	600	125	25 tubes	11503	n/a	30 x 25 x 80	275
Dry Filter 900	12701	900	200	40 tubes	11503	n/a	30 x 38 x 81	320

### MEDIUM- AND HIGH-PRODUCTION APPLICATIONS

RPC-2-600	15804	600	470	2	15781	1 HP 115/1/60	63 x 38 x 96	620
RPC-2-600	15939	600	470	2	15781	1 HP 230 or 460/3/60	63 x 38 x 96	620
RPC-2-900	20526	900	470	2	15781	2 HP 230 or 460/3/60	63 x 38 x 96	630

### HIGH-PRODUCTION AND HEAVY DUTY-INDUSTRIAL APPLICATIONS Larger sizes are available on request.

RPH-2-600	20527	600	470	2	15781	1 HP 115/1/60	68 x 46 x 143	1180
RPH-2-600	20528	600	470	2	15781	1 HP 230 or 460/3/60	68 x 46 x 143	1180
RPH-2-900	20529	900	470	2	15781	2 HP 230 or 460/3/60	68 x 46 x 143	1190
RPH-3	20530	1200	705	3	15781	5 HP 230 or 460/3/60	91 x 48 x 143	1805
RPH-4	20531	1800	940	4	15781	7.5 HP 230 or 460/3/60	109 x 48 x 144	1950
RPH-6	20532	2500	1410	6	15781	10 HP 230 or 460/3/60	109 x 70 x 171	2140
RPH-8	20533	3600	1880	8	15781	15 HP 230 or 460/3/60	109 x 70 x 171	2300

### OPTIONAL HEPA AFTER FILTERS FOR RPC AND RPH MODELS Larger sizes are available on request.

HEPA-600	23625	600	n/a	1	22502	n/a	25 x 25 x 45	160
HEPA-900	23626	900	n/a	1	22502	n/a	25 x 25 x 45	170
HEPA-1200	23627	1200	n/a	1	22502	n/a	25 x 25 x 45	180

Clemco is committed to continuous product improvement. Specifications are subject to change without notice.

ISO 9001:2008 certified

© 2013 Clemco Industries Corp. Washington, MO

Phone 636 239-4300 • Fax 800 726-7559

[www.clemcoindustries.com](http://www.clemcoindustries.com)

Distributed By: