

# HA Series I Dust Collectors

## **GENERAL INFORMATION**

Hardface Alloys Series I Dust Collectors are a compact footprint cartridge collector with a 25% smaller housing designed for the most demanding thermal spray applications.

The Series I Collectors use a high velocity backflushing technology. Unlike many downflow collectors, these employ a unique baffled plenum which causes a sudden decrease in airflow velocity and direction before the dirty air enters the filter cartridge.

The Series I Collectors come designed with many pre-engineered options such as the fan, fan silencer, and damper for ease of installation and expense. Designed as modules, the cross flow inlet, access door, explosion vent, and other components can be installed on any side of the module to meet individual needs.

These Dust Collectors offer the highest efficiency and the best energy characteristics available in a compact unit. They are the perfect answer where air pollution control, worker comfort or product recovery are of major concern.



Electronic Remote Box



## **FEATURES**

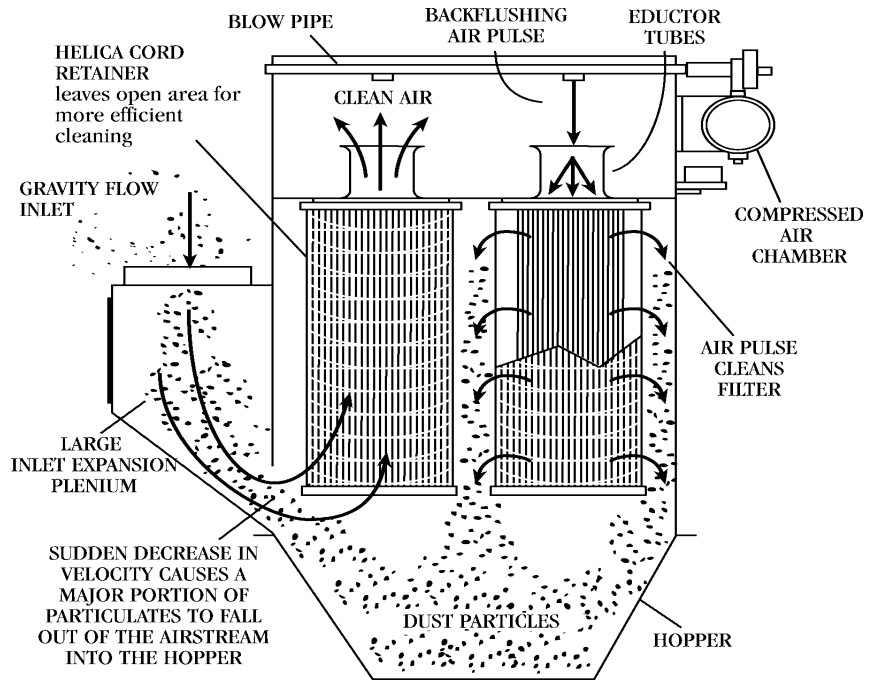
- Modular Design
- Remote Monitoring System
- Heavy-Duty Quick Access Door
- Adjustable Leg-Support Height
- Reverse Pulse System
- Internal and External Pulse System
- Perforated Baffle Plate
- Rotary Air Locks
- Seismic Zone 4 Rating

## **BENEFITS**

- Ease of Installation
- Adaptable to Difficult Installation
- Lower Operating Costs
- Longer Filter Life
- Improved Performance
- Troubleshoot Remotely
- Weather and Corrosion Resistant
- Ease of Maintenance
- Improved Safety

## OPERATION

During normal operation, air enters the dust collector through the inlet and before air enters the filter cartridge, a short burst of compressed air is directed into an eductor tube above each filter cartridge. This high velocity air induces a much larger reverse airflow which is forced through the cartridge. The back-flushing is sustained long enough to blow the dust cake away from the outside of the filter cartridge. The back-flushing is sustained long enough to blow the dust cake away from the outside of the filter cartridge. This causes a large percentage of the particulates to fall out of the airstream and into the hopper, extending the life of the filter cartridge and reducing pressure drop.



## EQUIPMENT/ACCESSORIES

- Explosion Venting
- Rotary Airlock
- Drum Cover Kit
- Quick Open Access Panel in Clean Air Chamber
- External Compressed Air Header
- NEMA 7/9 Solenoid Enclosure
- Increased Leg Length
- Special Paint
- Hopper Access Door
- Sprinkler Coupling
- Dust Level Indicator
- Pulse Eductor Tubes
- Dust Bin w/ Drawers
- Common Trough Hopper
- Large Pyramid Hopper
- Stainless Steel Construction

## FILTER OPTIONS

**450 Sq. Foot. Cartridges** (Media Area)

- Standard
- Flame-Retardant Treatment
- Carbon Impregnated
- Oleophobic Treatment

## SPECIFICATIONS

(Includes All Sizes & Models)

- # Filters: 2 - 120
- Filter Area (ft<sup>2</sup>): 900 - 54,000
- Weight (lbs): 935 - 50,200
- CFM: up to 125,000
- Blower Sizes: 2 - 200hp
- Air/Cloth Ratio: .4 - 2.2
- Dimensions: (h x w)  
156 x 36 - 195 x 420