

# Dust Collectors

A clean environment where you can see the parts clearly is essential to accurately blast small parts. Effective removal of the very fine micro-abrasives from the workstation requires more than a simple shop vacuum. Only an industrial grade dust collection system can provide appropriate airflow through the work chamber to extract the spent abrasive, as well as the proper filter material to trap the minute particles, returning clean air to the room. Comco offers two lines of industrial dust collectors to handle clean up for the occasional blaster to the fully automated continuous blasting system. In addition to these dust collectors, Comco offers a dust collector and workstation all in a single freestanding unit: the ProCenter.

## Dust Collectors for the occasional blaster to the continuous fully automated system

### DC 2000-2300 Series Cloth Bag Dust Collectors



Cloth style dust collectors are freestanding units that do not require special installation. Their compact design includes everything necessary for connection to the back of the workstation. Models are available for systems using a single MicroBlaster® intermittently up to the larger DirectFlo or PowerFlo® production model blasters.

#### **BENEFITS**

- **Reliable and cost-efficient**
- **Easy to install**
- **Traps 99.9% of particles by volume**
- **Large capacity dust drawer**
- **Industrial construction**
- **Manually-operated filter shaker makes filter cleaning easy**

#### **How They Work**

The particles are trapped on the outer surface of the filter bags. The clean air passes through the filter and is re-circulated into the room. A manual shaker dislodges dust particles from the filter surfaces and drops them into a drawer. If filter bags are emptied at least once a week, a cloth bag style dust collector from Comco will give years of uninterrupted, trouble-free service.

### DC 3100-3300 Series Cartridge Dust Collectors



These centralized dust collection systems are designed for heavier requirements such as use of multiple blasters, continuous use of a DirectFlo or PowerFlo® or with automated systems. They are equipped with a sensor that triggers the automatic cleaning as needed, while in operation. The filter design and automatic cleaning increase the efficiency of the filters, which means longer life.

#### **BENEFITS**

- **Heavy duty 3 or 5HP Motor delivers 950 to 1500 SCFM for maximum airflow**
- **High performance fan and integrated silencer**
- **Automatic pulse jet cleaning**
- **Efficient, long-lasting cartridge filters**
- **Filtration efficiency of 99.999% on 0.5µm particles**
- **Convenient storage & disposal of spent abrasive**

#### **How They Work**

The air and abrasives enter the collector at the top and travel in a downward path through the filter cartridges, taking advantage of gravity to assist in depositing the particles in the hopper. It uses pleated cartridges that offer an increased filter surface area, trap media more efficiently, and are easier to clean. When the automated cleaning takes place, the abrasive shaken from the filters drops into a 10-gallon pail for convenient storage and disposal.

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DC2000/DC3000 PS  
5/2008

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## Recommendations

DC2000	For intermittent use with a single MicroBlaster®
DC2100	For continuous use with a single MicroBlaster®
DC2300	For use with a DirectFlo™ or PowerFlo® or in larger workstations
DC3300-1	For use with larger workstations in production environments
DC3100-1	For use with multiple blasters for heavy usage applications and all automatic blasting equipment

## Specifications

Model	Motor <sup>1</sup>	Air Flow	Noise Level <sup>2</sup>	Filter Area	Hose Size <sup>3</sup>	Dimensions (H x W x D)	Shipping Weight
DC2000	3/4HP 115V, 9.6amp, 60Hz, 1Ø	325-400 SCFM	64 dBA	60 ft. <sup>2</sup>	4"	43"x23"x26"	220 lb.
DC2100	1HP 115V, 12amp, 60Hz, 1Ø	450-500 SCFM	70 dBA	120 ft. <sup>2</sup>	4"	54"x23"x26"	250 lb.
DC2300 <sup>4</sup>	3HP 230V, 7.6amp, 60Hz, 3Ø 460V, 3.8amp, 60Hz, 3Ø	1100-1150 SCFM	68 dBA	150 ft. <sup>2</sup>	6"	61"x29"x29"	415 lb.
DC3300-1	3HP 230V, 9.6 amp, 60Hz, 3Ø 460V, 4.8 amp, 60Hz, 3Ø	950 SCFM	68 dBA	370 ft. <sup>2</sup>	8"	74"x25"x65"	975 lb.
DC3100-1	5HP 230V, 15amp, 60Hz, 3Ø 460V, 7.5amp, 60Hz, 3Ø	1000-1500 SCFM	80 dBA	570 ft. <sup>2</sup>	9"	92"x25"x62"	1275 lb.
ProCenter CTR100	1/2HP 115v, 10amp, 60Hz, 1Ø	450 SCFM	70 dBA	130 ft. <sup>2</sup>	NA	53"x36"x30"	250 lb.

<sup>1</sup>50Hz motors are available.

<sup>2</sup>Nominal readings are dependent on the individual working environment.

<sup>3</sup>Five feet of flexible hose and two clamps are included on DC2000 series

<sup>4</sup>User provides starter switch and wiring (3Ø circuit).



### The ProCenter – Combined Dust Collector and Workstation

Comco's ProCenter combines a workbench, workstation and dust collector in one compact, freestanding unit. The ProCenter is equipped with the latest in cartridge type filtration and comes standard with an automatic shaker and convenient hopper. It utilizes a down draft chamber, which enhances dust collection and helps provide superior cleanliness.

The efficient dust collection, dual fluorescent lamps and wide window of the ProCenter provide excellent visibility. The front loading door and oversized abrade chamber make it an ideal workstation for any size micro-abrasive blasting job. Ergonomically designed for maximum operator comfort, the ProCenter offers the optimal choice for anyone involved in manual micro-abrasive blasting applications.

The space-saving design provides the full benefit of a workstation and a dust collector in a single unit only 36" wide making it a compact and convenient unit practical for any facility.

**Contact a Comco sales representative today to help you decide which dust collector is best suited for your micro-abrasive blasting equipment!**

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