

GREEN

FILTER
CLEANING
MACHINE



U.S. PATENT NUMBER 5,322,535



How it Works

The Green Filter Cleaning Machine effectively and safely cleans your cartridge style air filters. The recycling of dirty cartridge filters translates into immediate ROI as filters can be cleaned and reused up to 3-6 times, depending on application. The Filter Cleaning Machine is designed to reduce filter pressure drop after cleaning, improving the performance and efficiency of your air filtration system.

The machine is ideal for cleaning dust collector cartridge filters, diesel engine intake filters, or any cartridge filter with an inner diameter greater than 6.5" and shorter than 40" in height. The filter cleaning mechanism requires 80 cfm of dry compressed air at 80-100 psi to function properly. Green Filter Cleaning Machine provides users with reduced landfill waste, protects workers by automating the hazardous filter cleaning process and saves companies on replacement filter and disposal costs.

Ideal Applications:

- Dust collector cartridges
- Mining & construction machinery intake air filters
- Gas turbine intake filters
- Vacuum pump intake filters
- Cylindrical cartridge filters/miscellaneous industries

Benefits:

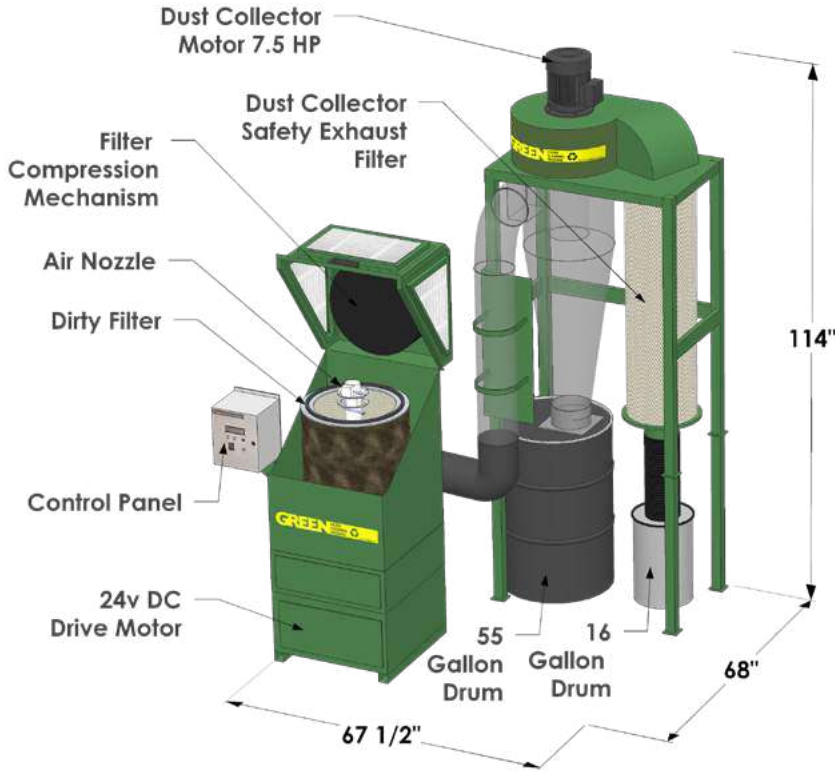
- Reuse filters 3-6 times
- Automated cleaning cycle
- Reduces waste & environmentally friendly
- Pays for itself with savings

Features:

- Stand alone unit designed to clean cylindrical cartridge filters
- Dry patented cleaning process
- ICS-360 Injection self-cleaning mechanism
- Lexan transparent cyclone dust collector
- Filter inspection station (optional)



METAL DUST • FOOD DUST • PLASTIC DUST • PAPER DUST • POWDER



Filter Inspection Station



The Filter Inspection Station allows for the measurement of the filter condition before and after cleaning. To provide the best "real world" evaluation of the filter, a high power blower is used to draw air through the filter while the pressure drop across the filter is measured.

Once the filter has been cleaned, the measurement can be repeated to determine if further cleaning is required. A visual inspection of the filter media is performed using a high-power hand-held light. This allows for detection of tears or weak areas in the media. Once the filter has been inspected it can be bagged and stored until required. (Optional)

Dimensions

Model	*Footprint (in.)			Net Weight (lbs.)	Filter Dimensions (in.)			Shipping Dimensions (in.) (Per Palette)			Gross Weight (Per Palette) (lbs.)				
	Length [b]	Height [C]	Width [d]		Minimum Inner Diameter	Maximum Outer Diameter	Maximum Height	Length [b]	Height [C]	Width [d]					
GFCM 32	34	86	32	654+359	6.5	20	32	48	48	96	76	60	60	770	475
GFCM 40	34	86	32	654+359	6.5	20	40	48	48	96	76	60	60	770	475

*Footprint varies depending upon installation configuration

Technical Specifications

Model	Nominal Airflow (CFM)	Drum Capacity (Gallons)	Motor (H.P)	Power				Compressed Air Requirements	Noise @5ft. (dB)
				Phase (hz)	@230V (amps)	@460V (amps)	@575V (amps)		
GFCM 32	2000	55	7.5	3P / 60Hz	22	11	9	80 CFM @ 100 psi	84.5
GFCM 40	2000	55	7.5	3P / 60Hz	22	11	9	80 CFM @ 100 psi	84.5