



# GREEN FILTER CLEANING MACHINE



## 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. Diversitech's 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



**Diesel Inspection Station**



**Inspection Station**

The Diversitech 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.)		
	Length [b]	Height [C]	Width [d]		Minimum Inner Diameter	Maximum Outer Diameter	Maximum Height
GFCM 40	34	86	32	654+359	6.5	20	40

\*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 40	2000	55	7.5	3P / 60Hz	22	11	9	80 CFM @ 100 psi	84.5

**NOTE: Only dry compressed air is to be used with the machine. The unit requires a minimum of 80 CFM at 90 PSI to operate properly.**

Connect compressed air (90 PSI) to the 1/2" inlet fitting located on the back of the unit. It is recommended to install a cut-off valve on the line for safety purposes. A regulator will be necessary to step down the supply air if the shop pressure is above 100 PSI. NOT complying may result in damage to the unit's components and reduce performance. A 1/2" NPT supply line is required.

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