GREEN FILTER CLEANING MACHINE

U.S. PATENT NUMBER 61109825

CARTRIDGE FILTER CLEANING MACHINE

Filter Inspection Station

Green Filter
Cleaning Machine

- ✔ **Standalone Unit Designed To Clean Cylindrical Cartridge Filters**
- ✔ **Applications Include:**
  - **Dust Collectors**
  - **Mining & Construction Machinery**
  - **Co-generation-Power Generation**
  - **Agriculture Equipment**
- ✔ **Dry Patented Cleaning Process**
- ✔ **Eliminates Messy Cleaning & Environmentally Friendly**
- ✔ **Pays For Itself With Saving$**
- ✔ **Filter Inspection Station (optional)**

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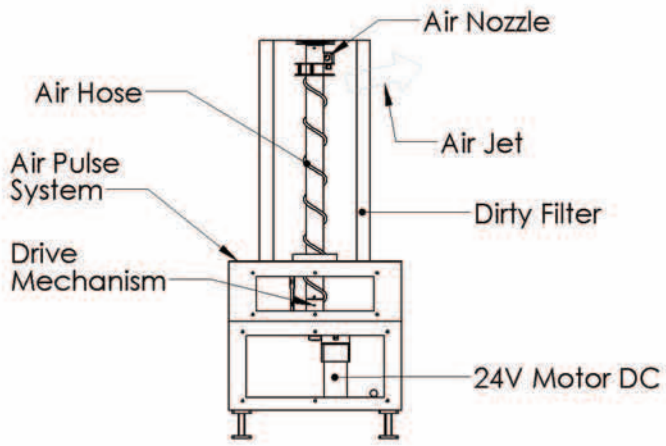
GREEN FILTER CLEANING MACHINE

U.S. PATENT NUMBER 5,322,535

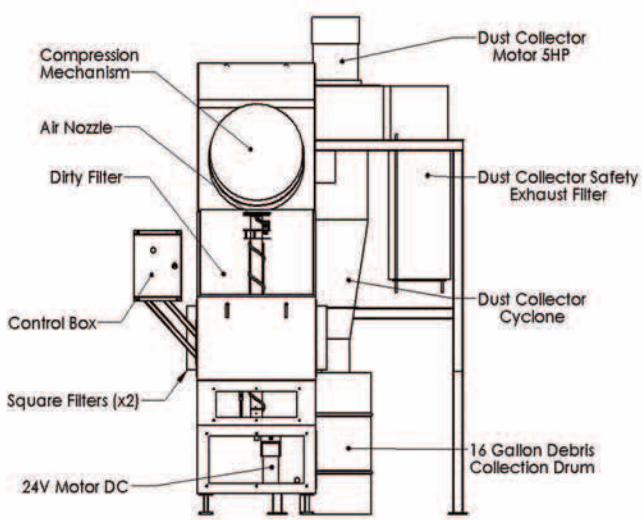
SPECIFICATIONS

GFCM Dimensions:	**Overall Dimension - 6' W x 6' D x 8'8" H**
Compressed Air Required:	**90 psi - 80 cfm**
Cleaning Mechanism:	Electronically controlled with user selectable cleaning cycle duration
Controls:	**Combination Motor Starter For ICS Motor & Cyclone Motor. Includes ICS Cleaning Controls - On/Off - Start/Abort Buttons In A NEMA Enclosure**
Electrical:	208-230/460/575v/3 Phase/ 60 **- 50 Hz**
Filter Diameter Range:	**6.5" Minimum Inner Diameter - 20" Maximum Diameter** (Contact Mfg. for other sizes)
Filter Height Range:	Up to 32" High - Closed one end or open at both ends (Contact Mfg. for other sizes)
Construction:	Reinforced 12-14 ga. Mild Steel Powder Coated / Painted **Green**



HOW THE INJECTION CLEANING SYSTEM WORKS

The Injection Cleaning System releases compressed shop air through a rotating air jet that is driven up and down in a spiral motion inside the filter cartridge. In order to maintain the cabinet clean, an air pulse system is used to help evacuate larger solid particles from the cabinet. A cleaning cycle lasts for five minutes and is fully automated. The solid pollutants released from the cartridge are captured at the source using a high efficiency cyclone collector.



FILTER INSPECTION STATION

The Diversi-Tech 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)