

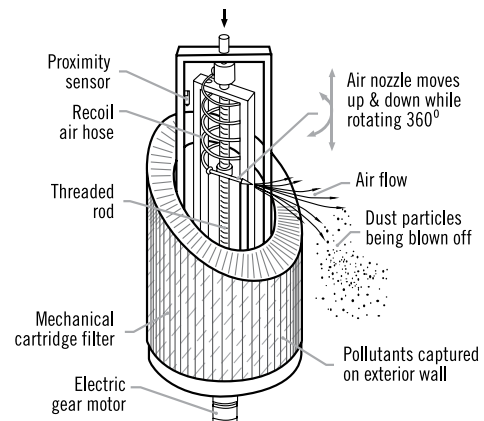


PORTABLE SMOKE AND FUME COLLECTOR FEATURING INJECTION SELF-CLEANING SYSTEM

Diversi-Tech's **FRED™** air cleaners are designed for installation in industrial applications for the removal of smoke, dust and other airborne contaminants. **FRED™** will remove particulate as small as 0.5 micron with its standard filters and acts as a heat recovery device to drastically reduce heating costs by cleaning and recycling plant air. The **FRED™** self-cleaning unit requires virtually no maintenance. The unit is portable and can capture contaminants at source. The unit's arm is self-supporting and captures pollutants before they reach the worker's breathing zone.

INJECTION SELF-CLEANING SYSTEM

U.S. Patent 5322353



FEATURES:

- Highest CFM portable on the market
- Filters smoke, dust and gas
- Baffles eliminate dust reintrainment
- Filter is cleaned each time FRED™ is turned off
- Complies with clean air regulations

Filtration
Reusable Filters
Energy Savings
Dramatically Reduced Pollution

www.diversitech.ca
1-800-361-3733

HOW THE FRED™ SELF-CLEANING SYSTEM WORKS

The FRED™ self-cleaning dust collection system eliminates the need for costly maintenance and frequent filter changes. Compressed air is blown through the filter in the reverse direction thus dislodging smoke and dust from the filter. The solid pollutants are then collected in a dust drawer or a hopper and emptied periodically.

The patented ICS (Injection Cleaning System) releases shop air through a rotating jet that is driven up and down by a screw inside the filter cartridge. The cleaning system is automatically activated each time the unit is turned off.

	FRED 01	FRED 02	FRED 02C
C.F.M.	1200 C.F.M.	1800 C.F.M. 900 C.F.M. per arm	1800 C.F.M. 900 C.F.M. per arm
Inlet Velocity	3500 F.P.M.	4500 F.P.M. per arm	4500 F.P.M. per arm
Motor	TEFC 1.5 H.P. 120/220/1/60	7.5 H.P. 208/230/460/575/3/60	7.5 H.P. 208/230/460/575/3/60
Fan Type	Backward inclined	Backward inclined	Backward inclined
Main Filter	280 sq. ft. cartridge / 99.8% @0.5 micron	280 sq. ft. cartridge / 99.8% @0.5 micron	280 sq. ft. cartridge / 99.8% @0.5 micron
Construction	14 ga. welded steel cabinet	14 ga. welded steel cabinet	14 ga. welded steel cabinet
Dimensions (WxLxH)	30"x35"x43" on wheels (incl.)	30"x35"x43" on wheels (incl.)	30"x35"x68" includes hopper
Weight	400 lbs.	400 lbs.	500 lbs.
Noise Level	72 dB at 5 ft.	79 dB at 5 ft.	79 dB at 5 ft.
Capture Arm	10' x 8" dia., externally articulated	10' x 6" dia., externally articulated	10' x 6" dia., externally articulated
Quantity of Arms	1	2	2
Gas Adsorber	Carbon impregnated polyester substrate (standard)	Carbon impregnated polyester substrate (standard)	Carbon impregnated polyester substrate (standard)

AVAILABLE OPTIONS:

- 1 • Single Phase or Three Phase Motor
- 2 • Ceiling Mount (02-C)
- 3 • Reverse Pulse Self-Cleaning
- 4 • Minihelic Gauge
- 5 • 4" Deep Carbon Module
- 6 • 99.97% @ 0.3 micron HEPA Filter
- 7 • 3 H.P. - 3 Phase 1200 C.F.M. @ 5" WC (Fred 01)

MANUFACTURED BY


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FRED 02C

