



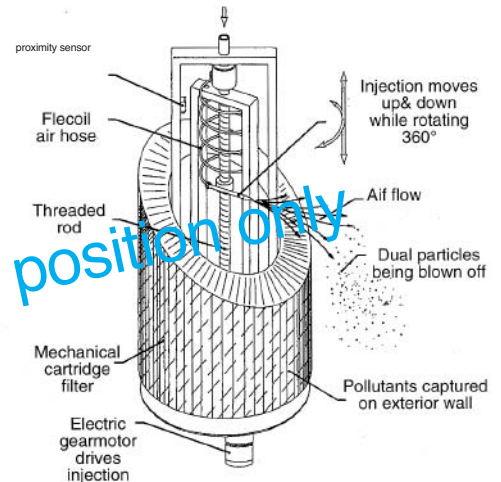
PORTABLE SMOKE AND FUME COLLECTOR FEATURING INJECTION SELF-CLEANING SYSTEM



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 CLEANING SYSTEM

U.S. Patent 5322353



FEATURES:

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

Filtration
Reusable Filters
Energy Savings
Dramatically Reduced Pollution

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 02-C |
|---------------------------|---|---|---|
| C.F.M. | 1000 C.F.M. | 1800 C.F.M. | 1800 C.F.M. |
| Inlet Velocity | 3500 F.P.M. | 3300 F.P.M. per arm | 3300 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 / 99.5% @0.5 micron | 280 sq. ft. cartridge / 99.5% @0.5 micron | 280 sq. ft. cartridge / 99.5% @0.5 micron |
| Construction | 14 ga. welded steel cabinet | 14 ga. welded steel cabinet | 14 ga. welded steel cabinet |
| Dimensions (WxLxH) | 30" x 35" x 43" on wheels (incl.) | 30" x 35" x 43" on wheels (incl.) | 30" x 35" x 68" 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., internal | (2) 10' x 6" dia., internal | (2) 10' x 6" dia., external |
| Gas Absorber | 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



590 Orly, Dorval, Québec H9P 1E9
 Tel. 514.631.7300 Fax 514.631.9480

1.800.361.3733 www.fredfiltration.com

