



**DIVERSI-TECH inc.**

**Fred** JR  
[www.fredfiltration.com](http://www.fredfiltration.com)



## **FRED™ PORTABLE FUME & DUST COLLECTOR**

Diversi-Tech's **FRED™** air cleaners are designed for installation in industrial applications for the removal of smoke, dust and other airborne contaminants. The **FRED™ JR** 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 compact **FRED™ JR** is designed for minimum power consumption and simple maintenance. The unit is portable and can capture contaminants at source. The pick-up arm is self-supporting and captures pollutants before they reach the workers' breathing zone. The system provides cleaner, healthier working conditions, helps industry to comply with environmental clean air regulations and reduces plant maintenance costs.

## **Filtration**

**Reusable Filters**

**Energy Savings**

**Dramatically  
Reduced Pollution**

### **FEATURES:**

- Captures smoke and dust at source
- 350 sq. ft. Reusable filter cartridge
- Portable or fixed systems
- Filters both solids and gases
- Complies with environmental clean air regulations



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**HOW THE FRED™ FILTER SYSTEM WORKS**

Fumes are captured by a powerful motor and blower combination and drawn through an internally articulated arm complete with capture nozzle. The smoke is then introduced into the interior of our (specially manufactured) filter cartridge.

The second stage filter, two (2) polyester panels impregnated with activated carbon, filters out odors present in the air stream.

For additional filtration, a special media module can be installed for specific gas absorption. And for extra fume particulates, a HEPA filter can be installed for removal up to 0.3 micron.

**FRED JR**

C.F.M.	900 C.F.M.
Pick-up Velocity	2600 F.P.M.
Motor	1 H.P. TEFC 1725 R.P.M. 120/220/1/60
Fan Type	Forward curved
Main Filter	350 sq. ft. cartridge / 99.5% @0.5 micron
Construction	14 ga. welded steel cabinet with 5" casters
Dimensions (WxLxH)	26"x33"x42"
Capture Arm	10'x6" diameter
Weight	350 lbs.
Noise Level	68 dB at 3 ft.
Gas Absorber	Carbon impregnated polyester substrate (standard)

**AVAILABLE OPTIONS:**

- 1• 99.97% @ 0.3 micron HEPA Filter
- 2• 50 Watt Halogen Light Kit
- 3• Extra Length Arm (14 ft.)
- 4• Pneumatic Casters (8 in.)
- 5• 4" deep Carbon Module

MANUFACTURED BY



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