



DIVERSITECH
Air Pollution Solutions

AHB

TOOLING & MACHINERY, INC.

COMPLETE METALWORKING SOLUTIONS
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FRED
Weld Fume Extractors

FRED JR
PORTABLE FUME EXTRACTOR



With 10' capture arm
1200 - 1800 CFM

* Selected Models



Keeping your worker's breathing zone safe requires a capture-at-source extractor they will actually use. Designed to be moved and positioned effortlessly, the FRED Jr. excels at removing weld fumes, dusts, and other airborne contaminants as small as 0.5 micron with our MERV 15 rated Nanofiber filter.

The capture arm's external articulation is key to easy positioning, as smoke and dust passes through the machine without contacting the swivel and pivot points of the arm. The high suction and capture velocity developed by the FRED Jr. allows operators to capture and filter dust and fumes further away from the hood than competitive models.

Benefits:

- Compact, portable, 120 volt, single phase
- Capture-at-source for cleaner air
- Complies with OSHA guidelines for controlling weld fumes

Features:

- Flexible 10' externally articulated capture arm
- 1.5HP TEFC motor producing 1200 CFM at the hood.
- 26" easy-to-service Nanofiber filter (MERV 15)
- Rotary starter with 15' power cord & casters

Options:

- Flexible externally articulated capture arm 6.5', 10', or 13'
- Automatic self-positioning, Fume Tracker™ capture arm
- 3.0 HP 1800 CFM High-Static Motor [230/460/575V 3PH]
- Odor Absorption Kits
- Minihelic Gauge
- Spunbond Polyester Filter Cartridge (washable)
- Afterfilter module, with HEPA Filter
- Hood mounted LED light kit





Primary Filters

NANOTECH XV

MERV 15 efficient cartridge filter captures particles at the submicron level, and surface-loading technology allows dust to be easily dislodged during cleaning with compressed air.



S-JR-26NF

EFFICIENCY: MERV 15
 FILTER MEDIA: NANOFIBER
 MEDIA AREA: 320 SQ.FT.
 COATING: FIRE RETARDANT
 END CAP: OPEN/CLOSED
 CLEANING METHOD: COMPRESSED AIR
 MAX TEMP: 180° F / 82° C
 FLANGE: NONE

POLYTECH XI

MERV 11 efficient cartridge filter captures particles at the submicron level, it provides the highest level of filtration efficiency 99.97% at 0.3 micron.



S-JR-26PT

EFFICIENCY: MERV 11
 FILTER MEDIA: SPUNBOND POLY
 MEDIA AREA: 169 SQ.FT.
 COATING: FIRE RETARDANT
 END CAP: OPEN/CLOSED
 CLEANING METHOD: AIR + WATER WASH
 MAX TEMP: 180° F / 82° C
 FLANGE: NONE

Secondary Filter

HEPA

High strength, high efficiency (MERV 17) cartridge filter made from 100% spun-bond polyester that lowers costs, by allowing for water-based cleaning of captured contaminants.



S-JR-1009

EFFICIENCY: MERV 17
 FILTER MEDIA: HEPA
 MEDIA AREA: 24" X 36" X 5 7/8"
 COATING: NONE
 END CAP: OPEN/CLOSED
 CLEANING METHOD: DISPOSABLE
 MAX TEMP: 175° F / 82° C
 FLANGE: NONE

IMPORTANT : If your equipment was purchased after November 15, 2018, a Replacement Filter Card, featuring filter details and simple instructions to easily order replacement filters, will be located on the filter door.

Dimensions **

Model	Arm Length (ft.)	Arm Diameter (in.)	Net Weight (lbs.)	Product Dimensions (in.)		
				Width [a]	Height [C]	Length [b]
FRED-JR with externally articulated capture arm						
FRED-JR	10	6	287	32.5	115	33
	13	6	292	32.5	128	33

** Product dimensions are based on base-models and may vary depending on selected product features. Please contact us for an accurate shipping quote.

Technical Specifications

Model	Motor (H.P.)	Phase (hz)	Power				Airflow (CFM)	Cord Length (ft.)	Arm Length (ft.)
			@120V (amps)	@230V (amps)	@460V (amps)	@575V (amps)			
FRED-JR with externally articulated capture arm									
FRED-JR	1.5	1P/60Hz	13.2	---	---	---	1200	15	10/13
	3.0	3P/60Hz	---	7.1	3.7	3.2	1800	---	10/13

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