

FEF SERIES

Fugitive Emission Filtration Units



A CECO Environmental Company

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Provides Secondary Emissions Control of Metallurgical Fumes

Busch International FEF SERIES industrial grade, fugitive emission filtration units use high efficiency self-cleaning fabric filtration tubes. The equipment removes heat and fugitive dusts from metallurgical melting process applications. The modules are factory assembled with filtration system, pulse cleaning, fabric tubes, controls, and main air blower on a common structural base.

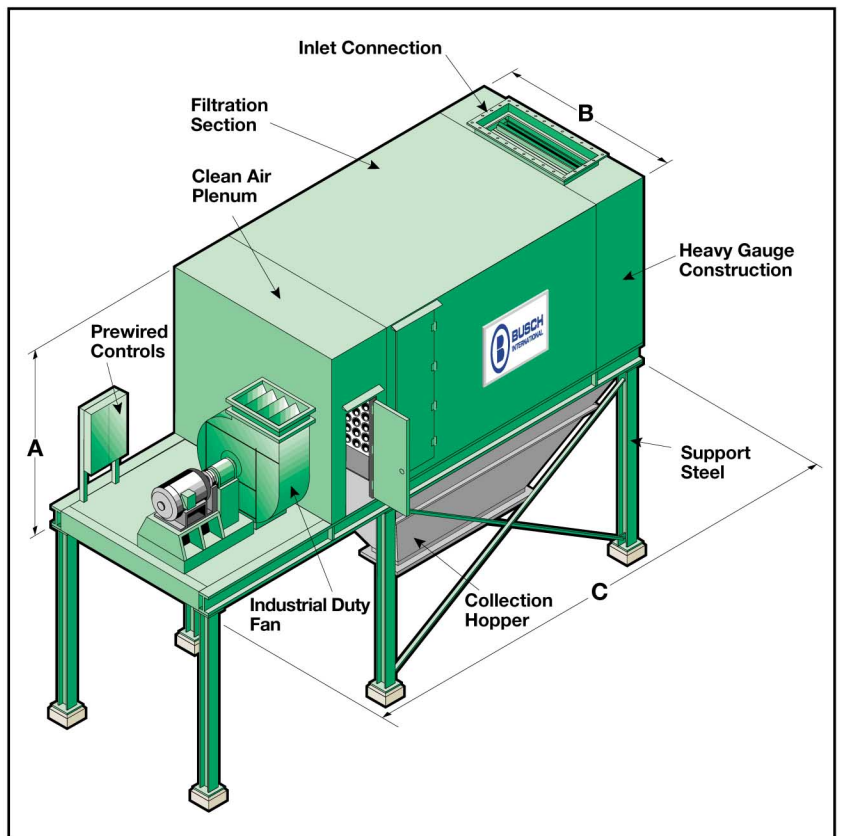
Significant cost savings over field assembled systems are realized because the FEF SERIES units are shipped pre-assembled, wired and factory tested. Minimum field labor is required for unit installation. Only connection to main power and compressed air source is necessary to initiate operation. Multiple modules are arranged for a built-up system with air volume capacity as required to satisfy the project requirements.

The FEF SERIES units come in standard sizes available for simple installation. Unit arrangement and dimensions, location, connections, materials of construction and wiring can be modified to meet individual user specifications. Project costs are often lower when compared to built up systems consisting of baghouse modules, interconnecting duct and separate fans. Construction features include a structural base, steel plate floor, heavy gauge welded housing panels and heavy duty door hardware. Centrifugal fans are minimum Class III construction and are backwardly inclined power limiting design. Direct driven fans eliminate belt maintenance. Electrical enclosures are NEMA 12 or NEMA 4 with wiring in rigid or flexible conduit. Optional electrical enclosures are available to suit plant standards.

FEF SERIES units are designed to store dust within the base of the compartment or storage hopper below.



Collection of secondary lead oxide emissions using four FEF SERIES units.



A typical FEF Series unit arrangement.

Accessories and Options

- Alternate paint systems
- Hoppers for dust storage
- Gas adsorption
- Sound attenuator
- Variable speed drives
- HEPA safety filters
- Dampers
- Screw conveyor
- Stainless steel construction
- Support steel and platforms

Dimensional Data

MODEL NO.	CAPACITY SCFM	DIMENSIONS		
		A	B	C
FEF-10	10,000	5'-6"	5'-0"	18'-0"
FEF-20	20,000	7'-6"	7'-0"	20'-6"
FEF-30	30,000	9'-6"	7'-6"	24'-0"
FEF-40	40,000	10'-0"	10'-0"	26'-0"
FEF-50	50,000	11'-0"	12'-0"	30'-0"

Dimensions and sizes are for reference only.