

FILTER-IN-VESSEL (FIV) SYSTEM

The CECO Filter-In-Vessel (FIV) System was designed to eliminate mist emissions in a wide range of applications and industries. The FIV system is available in various standard configurations and materials. This system can also be custom-designed for specific applications that demand special configurations or special materials of construction.

- Long filter life - Up to 10 years!
- Cleaned air can go back into plant
- Low maintenance requirements
- Low operating costs
- Efficiencies approaching 100% for particles >3 micron
- Efficiencies of 99.5% or higher for particles <3 micron



Industries and Typical Applications

- Chemical: Acid / Caustic Mist
- Steel: Acid Mist
- Metals: Rolling Mill Lubricant Emissions
- Power: Turbine Lube Oil Vent
- Pulp & Paper: Scrubber Visible Emissions
- Semiconductor: Wet Bench Acid Mist
- Printed Wire Board: Hot Air Solder Leveling
- Fertilizer: Nitric Acid / Platinum Recovery

Filter-In-Vessel System Specifications

Model	Flow (ACFM)	Height w/o fan (A)	Dimension (B)	Dimension (C)
FIV-2700	2,700	144-1/4	54	56
FIV-3600	3,600	145-1/4	59	61
FIV-4500	4,500	146-1/4	65	67
FIV-6300	6,300	150-1/4	71-1/2	73-1/2
FIV-7200	7,200	150-1/4	78	80
FIV-9000	9,000	151-1/4	93	95
FIV-10800	10,800	154-1/4	96	98

NOTE: All dimensions in inches.

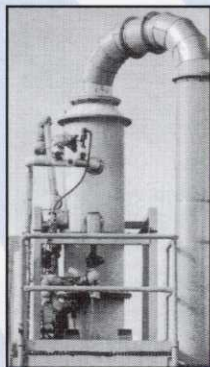
Options

- Pre-filter
- Blower and silencer
- Motor starter and controls
- Turnkey installation
- Custom designs

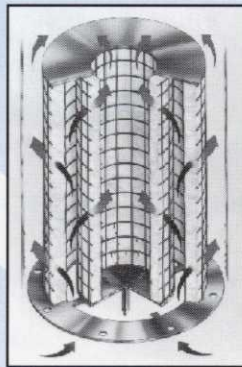
Materials of Construction

- Vessel: Carbon steel, stainless steel, high alloys, plastics and fiberglass
- Filter Media: Fiberglass, polypropylene, polyester, and others

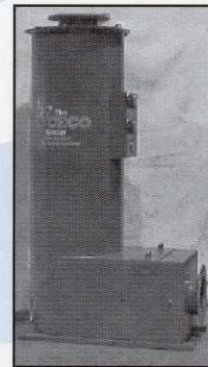
More Solutions from CECO Filters...



- Acid Gas Scrubbing
- Particulate Control



- Increased Filter Capacity
- Reduced Pressure Drop



- Machining Oil Mist Control
- Product Recovery

