The Fumex-DT (desktop) is a quiet, low cost, highly efficient fume extraction system designed to capture and filter the fumes generated in a variety of processes. Simple to use and operate the system incorporates intelligent controls, filter monitoring, variable speed airflow and easy interface / connectivity. The Fumex DT can be fitted with a standard 3 stage filter incorporating HEPA and Gas/Odor filtration or specialty application specific medias. The compact size and simplicity of design is ideal for the following applications.

| Laser Engraving | Select Laser Sintering | Soldering Hobbyists | 3D Printing | Multi-Jet Modeling | Dental | Direct Digital Manufacturing 3DP | SLA | 3DP |

Construction:

➤ Cabinet: 16 ga. welded steel, powder coat finish
➤ Baffled – sound attenuated
➤ Sound Level: 55 dbA
➤ Weight: 25 lbs.

Blower Motor:

➤ Performance: 105 cfm
➤ Variable speed blower
➤ Centrifugal - direct-drive, brushless motor
➤ Rated 20,000 hour + mtbf

Electrics/Controls:

➤ 100-130/1/50-60 (120-volt plug)
➤ Digital display with variable speed blower
➤ Pre-wired 3 wire power cable, 9 ft. with plug
➤ Digital Controls
  o Electronic variable speed blower control
  o High visibility LED filter indicator
➤ Calibrated electronic VOC gas sensor
➤ Electronic digital interface relay for two-way communication, filter monitoring and remote start/stop control
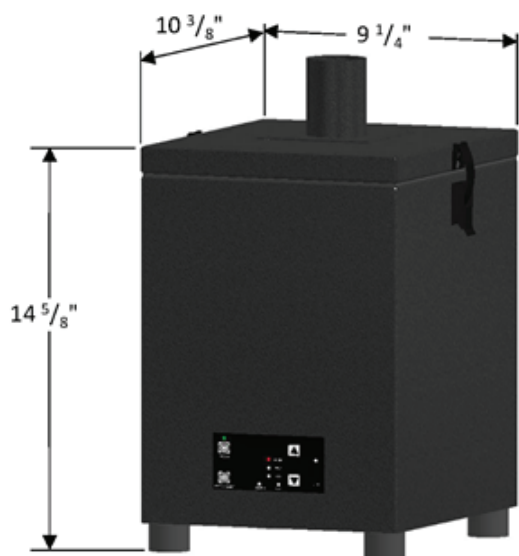➤ Amp Draw: 2.0 (120v)

Standard Filter Set:

➤ Single Set Combined cartridge filtration system
  o Pre-Filter:
    85% efficient MERV 11 panel filter
  o HEPA Filter:
    99.97% efficient @ 0.3 micron
  o Activated Carbon Gas / Odor filter:
    Provides broad spectrum gas/odor control
➤ 100 % recyclable construction

Standard Equipment:

➤ Complete filter set
➤ 5 ft. 2-ply ribbed rubber hose
➤ 2" diameter inlet hose with quick connect rubber cuffs
➤ Digital graphic controls
➤ (4) Industrial grade vibration isolators
➤ Installation guide / Operations manual
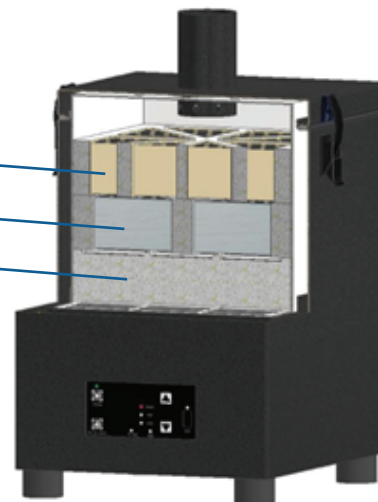
TECHNICAL DATA

10 3/8"   9 1/4"

14 5/8"

Combined Cartridge Filter System
(DT-1)

Pre-Filter

HEPA Filter

Activated Carbon Filter

➤ Programable via USB port pressure set points, blower speeds, and VOC detection

➤ High visibility LED display indicating blower speed, filter, and unit system status

➤ System Data logging: monitoring blower usage, filter service intervals accessed by USB port

FUMEX
AIR FILTRATION SYSTEMS

POWER   HIGH   MED   LOW   USB

FILTER RESET   FILTER   GAS

FUMEX ACCESSORIES

Source Capture Hoods

FA122
1"x4" Rectangular Hood

FXA-127
Straight Nozzle

FXA-125
3" Bell-Mouth Hood

FA-125
2" Round Hood

Source Capture Arms

FXA-36-31
Stainless Steel Flexible Arm

A-28-2
2" Diameter Articulating Arm