



## The right tool for fume extraction.

The importance of removing the harmful effects of fumes or particles when soldering can never be over emphasized. Fume extraction systems have become an essential part of the workbench and selecting the right tool to get the job done right is crucial when keeping the air we breathe clean. Medical conditions such as asthma and other respiratory tract illnesses can be the result of not maintaining a healthy work environment. The cost benefit of investing in fume extraction is seen in reduced absenteeism caused by ill-health and a general increase in staff morale which can only deliver improved productivity for the organization.

**SELECTING THE RIGHT FUME EXTRACTION SYSTEM** | Edsyn's FUMINATOR® line ranges from small bench-top extractor fans to larger custom designed volume extraction factory systems that can effectively remove up to 99.997% of particulate down to 0.3 microns in diameter - that is several times smaller than a typical human hair (50-150 microns in diameter). Volume extraction units use low pressure, high volume pumps designed to draw large amounts of air out of the environment through a variety of extraction attachments. Each system is designed with a two or three-stage filtration process:

Pre-Filter	Micro/HEPA Filter	Gas Filter
Captures primary particulates and protects the life of the other filters	Highly effective in the removal of particulates from 95% down to 0.5 microns to 99.997% down to 0.3	Activated carbon totally eliminates dust and bad odors from the air
1st Stage	2nd Stage	3rd Stage

**BENCHTOP INNOVATION AT ITS BEST • 1 OPERATOR** | The FXF11 is a powerful two-stage bench top fume extraction unit delivering excellent removal of fumes and particles directly from the face of the operator. It can be used on its own or serve as a pre-filter for larger fume extraction systems. The innovative feature of the FXF11 is in the proprietary rotating filter design offering 8 times greater filtration than other models with a single stationary filter. The unit can be positioned to any working angle to maximize efficiency. The FXF11 is ultra-quiet and has the additional benefit of task lighting to reduce glare and alleviate eyestrain. The compact size makes it ideal for cramped work spaces. This small but highly effective bench top fume extractor is the right tool for anyone wanting to operate in a healthier environment.



FUMINATOR® FXF11

Pre-Filter	Charcoal Filter	Filter Set
XF02	XF03	XF01
Primary rotating filter (set of 5) comes installed and captures large particulate	Charcoal impregnated stationary filter (set of 5) comes installed and captures smaller particulate and some smells	Filter set contains one each primary rotating filter and charcoal impregnated stationary filter
1st Stage	2nd Stage	1st & 2nd Stage



**COMPACT & ECONOMICAL • 2 - 4 OPERATORS** | Model FX225 is a complete two-stage fume extraction system designed for use by technicians involved in hand soldering. This powerful self-contained unit has airflow of 120 cfm (filters installed). Installing the FX225 is quick and easy allowing the unit to be moved and reinstalled at other locations if necessary. It comes with two installed 50 mm stay-put extraction arms making it easy for two operators seated either opposite or next to each other to benefit from the removal of particles and fumes at the same time. The FX225 can also be expanded to accommodate 4 operators and features a filter blocked indicator and is designed for continuous running. Changing the filters is quick and easy with virtually no downtime for the operators. It is quiet with a noise level measured at 55 dba. Selecting the FX225 is the right choice to get the job done right!



FUMINATOR® FX225

Pre-Filter	HEPA Filter	HEPA/Gas Filter (optional upgrade)
XF2501	XF2502	XF2503
Factory installed and captures medium sized particulate providing 96% filtration down to 2 microns	Factory installed and filters 99.997% down to 0.3 microns	Replace the XF2502 and receive total elimination of dust and bad odors. Also, provides filter efficiency of 99.997% down to 0.3 microns
1st Stage	2nd Stage	3rd Stage

**POWERFUL & EXPANDABLE • 2 - 4 OPERATORS** | Model FX300 is a cost-effective two-stage volume fume extraction unit for use by up to four operators. It generates high airflow rates from a range of bench top attachments (188 cfm with filters installed). Installation is simple and the unit can be ready to function in less than 5 minutes. The FX300 is designed for continuous running, reducing the need for regular inspection. It can be positioned comfortably under the workbench with a choice of 50 mm or 75 mm stay-put or moveable arms. Quiet operation due to a built in silencer (52 dba) and its portability due to its small size make the FX300 the right tool to get the job done right.



FUMINATOR® FX300

Pre+Micro Filter Set	Pre-Filter (optional upgrade)	HEPA Filter (optional upgrade)	HEPA/Gas Filter (optional upgrade)
XF300	XF2501	XF2502	XF2503
Factory installed and consists of XF300-P pre-filter which captures small sized particulate and XF300-F micro carbon/foam filter provides filtration efficiency of 95% down to 0.5 microns	Replace the XF300-P and capture medium sized particulate providing 96% filtration down to 2 microns (must be used with XF2502 or XF2503)	Replace the XF300-F and increase filter efficiency to 99.997% down to 0.3 microns (must be used with XF2501)	Replace the XF300-F and receive total elimination of dust and bad odors with a filter efficiency of 99.997% down to 0.3 microns (must be used with XF2501)
1st & 2nd Stage	1st Stage	2nd Stage	3rd Stage



**STATE-OF-THE-ART & DYNAMIC • 2 - 10 OPERATORS** | Model FX600 is a high-end centralized three-stage fume extraction system for lead-free solder applications, offering protection against harmful fumes. It combines large filter capacity with high airflows of 320 cfm (206 with filters installed). It can be used by up to 10 operators with a choice of 50 mm - 75 mm arms, cowls or down draft trays. The filtration system benefits from a deep pleat pre-filter which prolongs filter life resulting in low replacement costs. The unit includes a filter condition display, digital speed control, and built-in silencing. Optional features include remote speed control and power switch, remote stop/start interface and filter change/system fail signal. For a truly state of the art fume purification system, the FX600 is the solution that



FUMINATOR® FX600

Pre-Filter	HEPA/Gas Filter
XF600-PF	XF600-CF
Factory installed featuring deep pleat technology providing 95% effective to 0.9 microns	Factory installed combination HEPA/Gas filter efficiency of 99.997% down to 0.3 microns. Totally eliminates dust and odors.
1st Stage	2nd & 3rd Stage

**SELECTING THE RIGHT ATTACHMENTS** | The FUMINATOR® line offers a wide variety of arms, cowls and down draft trays. Each designed to suit your unique circumstances and needs:

32 mm Arms	Ideal for small working areas or light to medium soldering
50 mm Arms	Suitable for most applications and have the greatest variety of available attachments
75 mm Arms	Perfect for heavy duty soldering applications
Cowls	Provides fume extraction from a wide angle up to 10 inches in front of the cowl. Soldering tool holder placed in front of the cowl will also catch residual fumes once iron is returned to its holder
Downdraft Trays	Fumes generated are drawn downward away from the operators breathing zone

A variety of installation kits and a selection of accessories are available to ensure that whatever system you choose, it will be set up and ready to work with little or no disruption to productivity. In building a fume extraction system that is right for you, a number of options and combinations are available. Please contact EDSYN for assistance in creating a FUMINATOR® fume extraction system that is configured to meet the needs of your factory conditions and workers.

Taking the time to select the right fume extraction system is time well spent. Providing a healthy working environment is easy when the right tools are in place. The EDSYN FUMINATOR range gets the job done right!

**The right tool is EDSYN.**