FUMINATOR™

FX300

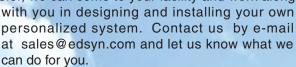## Entry Level Volume Fume Extractor

Create A Healthy Environment

The **FX300 FUMINATOR**™ Volume Fume Extractor is designed to provide an efficient and cost effective solution to almost any volume fume extraction problem. Specifically designed to be used without extensive installation, the FX300 can be placed on the floor with specially designed arms (**FXS7514, FXS7518**) that reach bench height. The FX300 can be installed and functional in less than 5 minutes. A quiet working environment is ensured with the built-in silencer.

We recognize that there are a wide variety of Fume Extraction applications. Therefore, on page 3 of this brochure, we offer a wide variety of arms, hoods, nozzles and funnels that will accomodate almost any requirement. Installation kits are also available to make installing your own system easy. If you prefer, we can come to your facility and work along with you in designing and installing your own personalized system. Contact us by e-mail at sales@edsyn.com and let us know what we can do for you.

FX300 Features

- Quiet Operation
- Small Footprint - 17" H x 13" W x 12" D (430 mm H x 330 mm W x 300 mm D)
- Portable - 33 lbs. (15 kg.)
- Easy Filter Change
- Quick and Easy Set Up
- Cost Effective
- Outstanding Value
- High Efficiency (HEPA) and Gas Filters Available
- Factory Warranty for up to Three Years

The **FX300** can be used with two **FXS7514** 75mm Arms with Funnels as shown below.
(See page 3 for more selections)

The **FX300** can also be used with one **FXS7514** 75mm Arm with Funnel and one **FXC751** 75mm Clear Plastic Cowl with 6' Flex Hose, as shown to the right.

A word about filtration

The **FX300** comes standard with a pre-filter and a pleated main filter providing 95% filtration of particulate down to 0.5 microns. (**XF300 Replacement filter set**) There are High Efficiency (HEPA) filters and gas filters available. The HEPA and gas filters are produced in accordance with ISO9002. The HEPA filter removes 99.997% of all particulate down to 0.3 microns and 95% as small as 0.1 micron. (**XF2502 - HEPA Filter**) The gas filter is used to remove particularly bad odors from the air. (**XF2503 - Gas Filter**)

A word about installation

If your application calls for a more involved installation, the FX300 can accomodate up to eight 32mm attachments, four 50mm attachments, or two 75mm attachments.

In most cases EDSYN suggests you use flex hose to run from the main unit to the bench. All table brackets come with kits that allow you to attach the flex directly to the mounting bracket. If using 32mm or 50mm attachments, reducers will also be required for the installation.

Choose the proper attachments from below

1. **FXC752** - 75mm ESD Safe Cowl with 6' Flex-Hose, (**FXC753** - 75mm ESD Safe Cowl with Light and 6' Flex-Hose)
2. **FXS5001** - 50mm Arm with Nozzle, (**FXS5015** - 50mm ESD Safe Arm with Nozzle)
3. **FXS5026** - 50mm Arm with Funnel, (**FXS5016** - 50mm ESD Safe Arm with Funnel)
4. **FXS5027** - 50mm Arm with Fan Nozzle , (**FXS5017** - 50mm ESD Safe Arm with Fan Nozzle)

5. **FXS5022** - 50mm Arm stainless steel with Shut-Off Valve and Funnel
6. **FXS5023** - 50mm Arm stainless steel with Shut-Off Valve and Nozzle
7. **FXS5002** - 50mm Arm stainless steel with **FXA5011** - 8" Wide Nozzle stainless steel,
   (**FXA5010** - 4" Wide Nozzle stainless steel, **FXA5012** - 12" Wide Nozzle stainless steel)
8. **FXS7514** - 75mm Arm with Funnel, (**FXS7518** - 75mm ESD Safe Arm with Funnel)

Installation Kits

(Kits include all flex-hose, clamps and fittings needed for typical installation)

FXI252 - Kit for Installing System with Three 50mm Arms
FXI501 - Kit for Installing System with Four 50mm Arms

Installation Parts

FXM7502 - 75mm Flex-Hose (sold per meter)   **FXS7510** - 75mm Table Bracket
FXM5002 - 50mm Flex-Hose (sold per meter)   **FXS5010** - 50mm Table Bracket (also used for 32mm arms)
FXM7511 - 75mm to 50mm Reducer Fitting   **FXM5013** - 50mm Clips to Attach Hose on Reducer
FXM5011 - 50mm to 32mm Reducer Fitting   **FXM7513** - 75mm Clips to Attach Hose on Reducer

Designing Your FX300 Volume Fume Extraction System

Step 1

Select the size, type and amount of arms, hoods, nozzles, funnels and cowls that are required for your application from the selection on page three.
Use these guidelines when selecting attachments:

32mm arms are for small working areas or light to medium soldering.
50mm arms are the normal selection for most applications and have the greatest variety of available attachments
75mm arms are used for heavy soldering applications, solder pots, tinning stations , etc.

Cowls provide a working area of up to 10" out from the front of the cowl.
This added advantage allows the soldering tool holder to be placed in front of the cowl thereby catching residual fumes from the soldering tool after it is replaced in its holder.

Step 2

Calculate the total airflow required for the combination of arms/cowls that have been selected.

Use this table to calculate your CFM (airflow) requirements:

Arm/Cowl	Airflow
32mm	25CFM
50mm	40CFM
75mm	75CFM
Cowl	70CFM

FX300 Specification

Size	17.7" H x 13" W x 12" D (430mm H x 330mm W x 300mm D)
Weight	33 lbs. (15Kg.)
Exhauster	Centrifugal fan with maintenance free brushless motor
Output	115V 1 Phase 60Hz
Noise level	Below 58 db
Flow Rate	Free Blowing 280 cfm / With filters installed 188 cfm

Filtration

XF300	Standard Replacement Filter Set / Pre-filter and pleated main filter giving 95% filtration to 0.5 microns
XF2502	Optional HEPA Filter / HEPA Filter giving 99.997% filtration to 0.3 microns and 95% to 0.1 micron
XF2503	Optional Gas Filter / For removing harsh odors

Model #	Noise Level	Inlet Port	Max CFM Free Blowing	Max CFM w/Filters Installed	Max # of 32mm Arms	Max # of 50mm Arms	Max # of 75mm Arms	Max # of Cowls	Standard Filter	HEPA Filter	Gas Filter	Max Duct Run
FX300	58 db	2"x 3"	280	188	8	4	2	2	XF300	XF2502	XF2503	12 ft