

# **EDSYN<sup>INC</sup>®**

**Soldering, SMT & Desoldering Products**

## **FUMINATOR™**

**Fume Extraction Systems**

### **FX1**

**OPERATION INSTRUCTIONS**



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## SETTING UP

1. Unpack the FX1 from its packaging. Detach the lid exposing the filter package. Lift filter package out of the Unit and take away the protective shrink wrapping. Place the filter back in its housing and replace lid.
2. The vacuum inlet is situated on the lid of the unit to one side of the handle.
3. The silencer for exhausted air is built into the Unit. The extractor outlets are recessed and situated underneath the Unit. **UNDER NO CIRCUMSTANCES SHOULD THE UNIT BE PLACED WHERE INADEQUATE VENTILATION TO THE BASE OF THE UNIT CAN ARISE..**
4. Connect the Silicone hose from the soldering iron to the open vacuum inlet.
5. The Unit is capable of extraction solder fumes from one soldering iron with the silicone hoses connected directly to the Unit.
6. Plug the Unit into a 110/115 Single phase 60-HZ CSA/UL supply, or a 220/240 Single phase 50-HZ European power source.

## OPERATING INSTRUCTIONS

Position the FX1. It can be placed on a bench or the floor. There is also available a space saving bench mounting bracket which enables the Unit to be hooked over the back of the bench. Connect to a single phase 110/115 60HZ or 220/240V 50HZ supply. It is then capable of extracting solder fumes from one solder station.

The airflow for the solder station should be 22 litres per minute with our standard 2.5 metre silicone hose installed.

### **Typical Set-up**

The FX1 can be used with almost any soldering station that is adapted for Tip Fume Extraction (*EDSYN 971 pictured*)



See back page for Tip Extraction Conversion kits

## ROUTINE MAINTENANCE

The operator must regularly keep their extraction tube clear. Please see the step by step "Tip Extraction Maintenance Sheet", issued with each conversion kit.

Other than filter replacement the system is maintenance free. When the extraction performance drops the filters will need replacing.

### To Replace Filters

1. Unplug FX1 from power source.
2. Detach silicone extractor tube from fume inlet.
3. Unclip the fasteners and detach the lid from Unit exposing the filter package.

### FILTER REPLACEMENT

There are two separate filters. The Pre-Filter and the Combined Filter. The combined filter sits on the bottom with the pre-filter on top of the combined filter.

- (a) Combined Filter - Part Number **XFV22**
- (b) Pre Filter (set of 5) - Part Number **XFV21**

It may only be necessary to replace the Pre-Filter.

Reassemble and switch the FX1 on. If the extraction performance is still low the combined filter will also require replacing.

## SAFETY FEATURES

1. The FX1 has a built-in circuit breaker in the motor enclosure for thermal overload.
2. All sound proofing materials used are class "O" **NON BURN FOAM.**

## FX1 SPECIFICATIONS

**Unit:** FX1

**Capacity** 1 Solder Iron

**Size** height: 10.4"  
depth: 7"  
width: 7"  
Shipping weight: 14 lbs.

### Power Unit:

**Type:** Linear Pump

**Output:** 80W

**Voltage:** 115V 60Hz

**Current:** 0.5A

**Noise Level:** below 48db

**Filter Change:** Depending on type and quantity of fumes.

- Pre-filter:Up to 3 months
- Combined Filter:Every 12 months or when gauge falls into the red sector,which ever occurs first.

### Tip Extraction Accessories

Phone:818.989.2324•FAX(sales):818.997.0460•FAX(service):818.997.0895•Email:info@edsyn.com•internet:www.edsn.com

<b>Part Number</b>	<b>Description</b>	<b>Kit Includes:</b>
FXK03	Static Safe Tip Extraction Conversion Kit for Metcal SP200 Irons	Connector, Silicone Tube, Fasteners, Cleaning Brush
FXK04	Static Safe Tip Extraction Conversion Kit for Metcal MX Irons	Connector, Silicone Tube, Fasteners, Cleaning Brush
FXK05	Holder for Metcal Irons	
FXK07	Tip Extraction Kit for Hakko Irons	Connector, Silicone Tube, Fasteners, Cleaning Brush
FXK08	Tip Extraction Conversion Kit for Weller Mini-Irons	Clip-on Kit, Connector, Silicone Tube, Fasteners, Cleaning Brush and holder
FXK09	Tip Extraction Kit for Weller Integral Iron	Handle, Steel Tube, Silicone Tube, Fasteners, Holder, Cleaning Brush
FXK11	Static-Safe Universal Tip Extraction Conversion Kit	Converts most irons to Tip Extraction
RCS73	Retaining Sleeve and Tip Fume Extraction conversion for EDSYN 971 Station	Sleeve, Collar, Tube

