



**World Class** Printing Systems  
for **Real World Applications**



## SQ-LFX PVC

### ENHANCED FUME EXTRACTION

Squid Ink's SQ-LFX PVC Laser Fume Extraction System pairs with Squid Ink's laser marking systems and is designed to exceed the fume extraction demands of your PVC laser marking application. Manufactured by industry leader Bofa™ for Squid Ink, the SQ-LFX PVC fume extractor is the most technically advanced compact laser fume extractor.

### EASE OF OPERATION WITH IQ

The SQ-LFX PVC has been enhanced with BOFA's iQ Operating System, reverse flow air filter (RFA), and advanced carbon filter (ACF) technology and packs a powerful range of unique features into one compact unit. The iQ Operating System provides numerous benefits: operators benefit from the ease of operation and clarity of real time information and the system provides a cache of analytical data, enabling users to download performance and operating parameters for evaluation purposes.

### PERFORMANCE WITH SAFETY IN MIND

The SQ-LFX PVC design features keep your air filtration system running at peak performance levels while reducing your maintenance downtime. ACF technology ensures the safe capture and removal of hazardous fumes by balancing the systems air flow rates with the type, depth, and surface area of SQ-LFX PVC's carbon filters. To increase your filter life, the unit is designed with reverse flow air technology to cause larger particulates to fall out of the airstream into the filter's drop out chamber, resulting in less particulates being trapped in the filter and prolonging the life of your filter.

### SOLUTIONS FOR YOUR PVC APPLICATION

The SQ-LFX PVC is specially designed as the ideal solution to remove the corrosive fumes and particulates generated when laser marking PVC materials. SQ-LFX PVC's internally exposed surfaces have been coated to resist the corrosive nature of the fumes and each unit is fitted with HCL and VOC sensors, which continually monitor the exhaust air of the unit giving added safety assurance. Along with upgraded sensors, the SQ-LFX PVC features upgraded carbon filters designed to trap the harmful contaminants associated with PVC materials.

### DESIGNED FOR YOUR OPERATION

The SQ-LFX PVC is designed to meet the harsh demands of your application. The extraction system features a durable, easy-to-read high contrast display, industrial strength cabinet shell, small footprint, lockable castors for easy movement within your facility, and low noise operation. You can be confident that the SQ-LFX PVC's rugged and complete design will withstand abusive industrial environments while providing the superior air filtration you have come to expect from Bofa and Squid Ink.

### THE RIGHT SOLUTION

Rugged design. Low maintenance operation. User friendly and informative operating system. Low cost of ownership. Your benefits go on and on. When it comes to industrial air filtration, rely on Squid Ink to provide the right solution for your laser marking and fume extraction needs.



**1)** Large cabinet door completely opens for operator monitoring and easy filter changes.

**2)** Connections for air hose and laser interlock are located on back of cabinet.

**3)** 8 pocket bag polyester pre-filter filters .9 microns to 95% efficiency.

**4)** HEPA combined carbon filter filters .3 microns to 99.997% efficiency.

## STANDARD FEATURES:

- iQ Operating System
- Automatic Flow Control
- Turbine with high airflow and pressure
- Reverse Flow Air filter technology (RFA)
- Auto sensing voltage (90-257v) - For global use
- HCL and VOC gas sensors
- Easi-Seal filter location mechanism
- High contrast display
- Real time airflow reading
- Advanced Carbon Filter technology (ACF)
- Filter status warnings
- Independent filter condition monitoring
- Run safe (filters must be installed correctly for the unit to operate)
- Low noise levels
- Lockable castors
- Remote diagnostics via USB
- Remote stop / start interface
- Filter change / System fail signal

## TECHNICAL SPECIFICATIONS

- **Dimensions** - 43" (H) x 17" (W) x 25" (D) (1092 mm x 431 mm x 635 mm)
- **Cabinet Construction** - Brushed stainless steel
- **Airflow / Pressure** - 115v - 320m<sup>3</sup>/hr/96mbar 230v - 350m<sup>3</sup>/hr/96mbar
- **Electrical Data** - 90 - 257v 1ph 50/60Hz, Full load current: 12.5 amps / 1.1kw
- **Noise Level** - < 60dBA
- **Weight** - 209lbs (95kg)
- **Approvals** - CE, UL

## PRE FILTER SPECIFICATIONS

- **Surface Media Area** Approximately - 2m<sup>2</sup>
- **Filter Media** - Polyester
- **Filter Media Construction** - 8 Pocket Bag Filter
- **Filter Housing** - Corrosion Resistant Coated Stainless Steel
- **Filter Efficiency** - F8 (95% @ 0.9 microns)

## COMBINED FILTER SPECIFICATIONS

- **HEPA Filter Media** - Glass Fibre
- **HEPA Media Construction** - Maxi Pleat With Webbing Spacers
- **Treated Activated Carbon** - Blend of impregnated activated carbons (21kg)
- **Filter Housing** - Corrosion Resistant Coated Stainless Steel
- **Filter Efficiency** - 99.997% @ 0.3 microns



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