



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



SQ-LFX

ENHANCED FUME EXTRACTION

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

INTELLIGENT OPERATION

The SQ-LFX has been enhanced with the highest grade HEPA and carbon filter technology and packs a powerful range of unique features into one compact unit. The informative graphic display gives operators a clear view of the operation to provide a quick-read visual display of how the system is functioning. For further insight into your operation, the system provides a cache of analytical data, enabling users to view performance and operating parameters for evaluation purposes.

PERFORMANCE WITH SAFETY IN MIND

The SQ-LFX design features keep your air filtration system running at peak performance levels while reducing your maintenance downtime. Automatic Flow Control technology maintains a constant extraction rate that ensures the safe capture and removal of hazardous fumes by balancing the system's airflow rates with the type, depth, and surface area of SQ-LFX's carbon filters. To increase your filter life, the unit is designed with Adjustable Air Flow that allows the system to be easily adjusted for various applications. SQ-LFX was also designed with Reverse Air Flow to prevent condensation while prolonging filter life.

DESIGNED FOR YOUR OPERATION

The SQ-LFX 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's rugged and complete design will withstand abusive industrial environments while providing the superior air filtration you have come to expect from Purex 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) Labyrinth pre-filter helps catch larger particles to extend life of main HEPA/Chemical Filter.

4) HEPA/Chemical Main Filter filters small particles down to 99.997% at 0.3 microns in size.

STANDARD FEATURES:

- Automatic electronic flow control - maintains a constant extraction rate even as the filter becomes blocked
- Adjustable airflow
- Clear and informative graphic display
- Gas and particle sensors on the exhaust
- Low capital and running costs
- Quick change patented Labyrinth pre-filters deliver longer filter life
- Submicronic (HEPA) filtration removes 99.997% of particles down to 0.3 microns
- Activated carbon filtration removes harmful gas
- Simple to install and quiet in operation
- Easy to relocate and precision made from stainless steel
- High performance brushless motors

TECHNICAL SPECIFICATIONS

- **Voltage** - 120V
- **Wattage** - 1.2KW
- **Frequency** - 50Hz/60Hz
- **Cabinet Height** - 34.8" (885mm)
- **Cabinet Width** - 17.9" (455mm)
- **Cabinet Depth** - 20.4" (517mm)
- **Cabinet Weight** - 110lbs (50kg)
- **Sound Level** - <60dBa
- **Airflow** - 330m³/h

LABYRINTH PRE-FILTER:

- Extends the life of the main filter by capturing larger particles before they reach the HEPA filter
- Fits neatly under the main filter in integral Purex extractors
- Graduated fiber matrix delivers excellent particle capture capacity - up to 20 times more than a standard filter
- Ideal for medium-high volume applications
- Contains the particles inside for clean and simple disposal
- Composite material available for extra filter life and filtration down to 0.5 micron
- Standard captures particles to 3 micron at efficiency of 60 to 80%
- Composite captures particles to 1 micron at efficiency of 80 - 95%

HEPA/CHEMICAL MAIN FILTER:

- HEPA (high efficiency particulate air) filter elements are precision manufactured from a pleated material that incorporates reinforcing strips which separate the pleats and help prevent airflow vibration or collapse
- Equalization plates are used between the layers of media to further reinforce the filter housing and to distribute the airflow across the filter to ensure all of the filter media is used
- Filters small particles down to 99.997% at 0.3 microns in size and absorbs a wide variety of gases and vapors

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