

LASER CODING & MARKING



Provide your workspace with a **safe, efficient**
and **reliable** fume extraction solution



400i

featuring
iFume Operating System

The
future of
fume extraction

Why Fume Extraction ?

Many types of dust and fume are hazardous to health if inhaled. People can become permanently sensitised to fumes which means that continued exposure, even to very small amounts of fume, may cause asthma attacks or other respiratory diseases.

Local and international health and safety legislation (such as COSHH, NIOSHH, OSHA etc) states that it is the employers' responsibility to protect the health, welfare and safety of their employees. Failure to do so can result in expensive legal action, potential fines and poor employee relations.

Why Purex ?

Years of cutting edge product development ensure Purex offer a complete line of fume extraction solutions unlike any in the industry.

The new iFume operating system is one such development. Accessed by a full colour touchscreen, the system can be controlled and monitored by a parent device with remote interface, offering a more precise way to control your fume extractor.

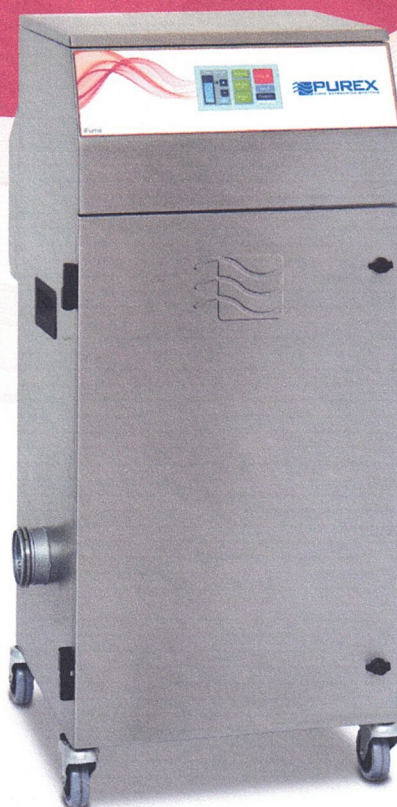
Why wait ?

Whether you are a self employed lone operator, or an employer with staff to protect, Purex can offer an effective, efficient solution to provide a safer, better working environment for your workplace.

Call our team today and discuss the future of your fume extraction solutions.

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Specifications

Laser Coding & Marking	1704022
Voltage	90-253
Wattage kW	1.1
Frequency Hz	50/60
Height mm	1070
Width mm	515
Depth mm	475
Weight Kg	60
Sound dBA*	<60
Airflow m3/hr**	400
Pressure kPa**	10.7

* Under normal operation

** Maximum motor capacity

Includes:

1 x Main filter	1 x Connection kit
1 x Labyrinth pre-filter	1 x Power cable



Operates Worldwide

90V - 253V operation **anywhere in the world** with no loss of performance.

Features & Performance

- Gas and particle sensors in the exhaust deliver an industry leading safety feature as standard.
- Patented quick change, high performance Labyrinth pre-filters deliver exceptional filter life.
- Purex only use the highest H14 grade HEPA filters available. Submicronic (HEPA) filtration removes 99.997% of particles down to 0.3 microns in size.
- Specially formulated activated carbon filtration removes a wide range of harmful gases.
- Purex units are simple to install and quiet in operation with low capital and running costs.
- High performance, continuous run, brushless motors ensure longevity and are maintenance free.
- Machines are precision made from brushed stainless steel and are mounted on castors for ease of mobility.

“ The new iFume operating system has been designed from the ground up to provide class leading performances and features, based on what our customers told us they wanted to see.

iFume adds value to your business by improving overall equipment effectiveness (OEE) and filter life. **”**

Trefor Jones, Managing Director

iFume Operating System

Motor Run Indicator

Driven by the physical rotation of the impeller for industry leading performance & safety.

Hose Blocked Alarm

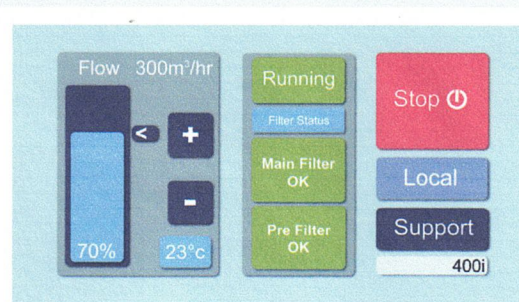
To minimise loss of production the alarm sounds if the hose becomes blocked.

Door Open Alarm

Door sensors ensure the safety of the operator and protects the process.

Airflow

The flow rate can be set and the iFume Operating System automatically compensates for minute changes in operating conditions to maintain the desired airflow.



Remote Interface

The iFume can be controlled and monitored by a parent device, locking out any screen adjustment.

Anti-Tamper System

Maximises efficiency by ensuring the set parameters are maintained.

Motor % Speed

Shows you how much power is in use. E.g. 30% is in reserve to overcome resistance to airflow as filters become blocked. This delivers longer filter life.

Independent Filter Monitoring

Tells you precisely which filter requires replacing and (for additional safety) if gas or particles are bypassing the filters. Ensures filter life is maximised and changeover time is minimised.

Support

Contacts and machine data are held in the data log.

Temperature Monitoring

With safety cutouts to ensure the machine runs at a safe working temperature.

Data Capture

For analysis via the iFume system ensuring accurate OEE (Overall Equipment Effectiveness) information.

400i



Full colour
Touch Screen



Brushless motors



Precision made



Operates worldwide

Purex is renowned for the quality and reliability of its technology and unrivalled customer support.

Visit our website today or call and talk to one of our customer support team for more information on the iFume 400i system

Model 400i filters and options

Filters For Laser Coding & Marking

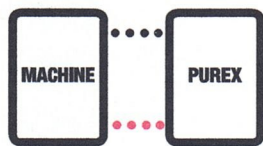
Labyrinth Pre-filters: (For large particulate)	Single:
• F6	111057
Main Filter: (For small particulate & gas)	Single:
• HEPA / Chemical	113505
Standard Connection Kit	Single:
• 50mm x 6.0m hose kit	100043

Options

Interface Cable

Communicates with connected equipment using a 5m cable.

- Start/Stop Control
- Filter Blocked Warning
- Motor Run Signal



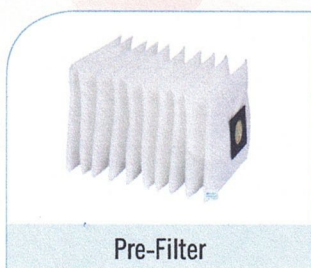
Remote ON/OFF Switch

Manually operated switch with a 5m cable.

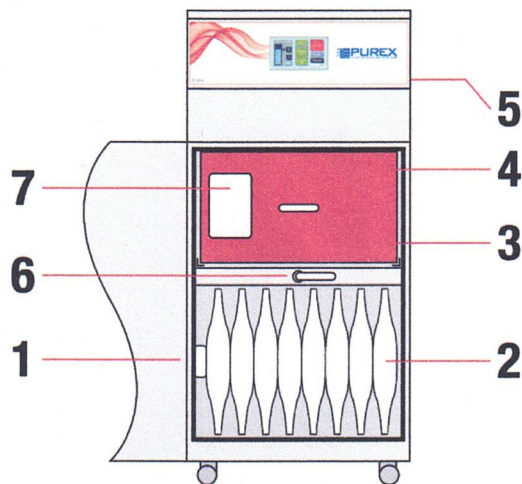
Clean Air Exhaust Cowl

Allows exhaust air to be vented to the outside of the building or it can be used to provide purified cooling air to (for example) a fan on a laser, printer, etc.

Other options, filters & connection kits are available if required. Please contact Purex or your local distributor for more information.



Layout



Legend:

- 1) Air inlet - 80mm safe seal
- 2) Pre-filter
- 3) Main Filter (HEPA location)
- 4) Main Filter (Carbon location)
- 5) Clean air returned to workplace
- 6) Filter locking handle
- 7) Filter identification label

All machines are mounted on four castors for increased mobility.

Power Cables

4.5M Power Cable & Plug Options:

- UK - 410162
- Europe - 410163
- USA/Asia 120V - 410160
- USA/Asia 230V - 410161
- Australia - 410164
- No plug - 410165