

400i

Introducing

iFume

The Future of Fume Extraction...



 **PUREX**
FUME EXTRACTION SYSTEMS



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.

Operates Worldwide

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



Model	400i
Laser Coding	1704022
Voltage $\pm 10\%$ V	90-253
Wattage kW	1.30
Frequency Hz	50/60
Height mm	1070
Width mm	465
Depth mm	528
Weight Kg	60
Sound dBA*	<60
Airflow m ³ /hr**	400
Pressure kPa**	11.0

< Volume Control

Includes:

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

* Under normal operation

** Maximum motor capacity

iFume Operating System...

“The new iFume operating system has been redesigned from the ground up to provide class leading performance 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



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 interlocks ensure the safety of the operator and protect the process.

Airflow

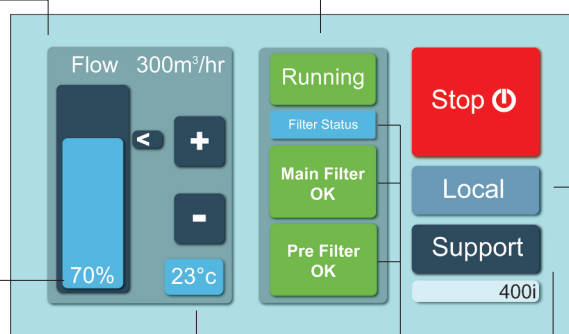
The flow rate can be set and the iFume Operating System automatically compensates for minute changes in operating conditions to maintain the desired airflow.

Motor % Speed

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

Temperature Monitoring

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



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.

Independent Filter Monitoring

Tells you precisely which filter requires replacing and (for additional safety) if gas or particles are bypassing the filters.

Support

Contacts and machine data are held in the data log.

Data Capture

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

Ensures filter life is maximised and changeover time is minimised.

Filters For Lasers...

Labyrinth Pre-filters: (For large particulate)

- F6 (standard)
- F8/F9 (fine - offers additional protection to main filter)

Single:

111057
111097

Main Filter: (For small particulate & gas)

- HEPA / Chemical PUR800
- Chemical PUR800 / HEPA (for cleanrooms)

Single:

113505
113512

Standard Connection Kit

- 50mm x 6.0m hose kit

Single:

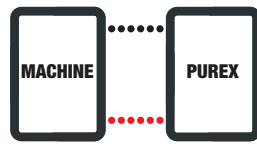
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Options...

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. See the separate datasheets or contact Purex for more information.

Purex International Ltd.

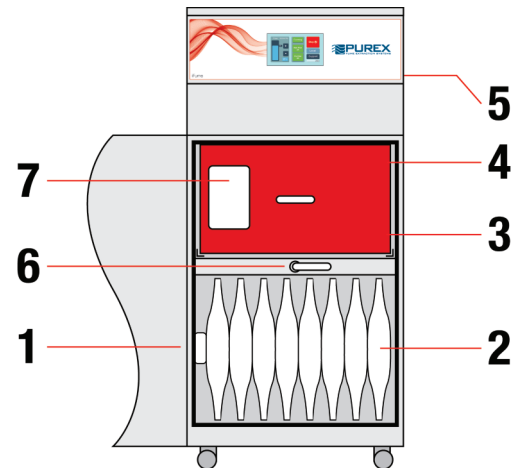
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Layout...



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

Pre-filter



Main Filter



All machines are mounted on four castors for increased mobility.

† Positions are reversed in cleanroom filters.

Power Cables...

5M Power Cable & Plug Options:

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

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