The Future of Fume Extraction...
## Contents

<table>
<thead>
<tr>
<th>Information</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>3</td>
</tr>
<tr>
<td>Digital Control System</td>
<td>4-5</td>
</tr>
<tr>
<td>Fume Extraction Selector</td>
<td>6-7</td>
</tr>
</tbody>
</table>

### Digital Machines

<table>
<thead>
<tr>
<th>Machine</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 &amp; 400</td>
<td>8</td>
</tr>
<tr>
<td>200i &amp; 400i</td>
<td>9</td>
</tr>
<tr>
<td>400i PVC</td>
<td>10</td>
</tr>
<tr>
<td>400i - Dye Sublimation</td>
<td>11</td>
</tr>
<tr>
<td>650</td>
<td>12</td>
</tr>
<tr>
<td>800</td>
<td>13</td>
</tr>
<tr>
<td>800i</td>
<td>14</td>
</tr>
<tr>
<td>1500i</td>
<td>15</td>
</tr>
<tr>
<td>1750i</td>
<td>16</td>
</tr>
<tr>
<td>2000i</td>
<td>17</td>
</tr>
<tr>
<td>5000i</td>
<td>18</td>
</tr>
</tbody>
</table>

### Filters

<table>
<thead>
<tr>
<th>Filter Type</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre - Filters</td>
<td>19-20</td>
</tr>
<tr>
<td>Main Filters</td>
<td>21-22</td>
</tr>
</tbody>
</table>

### Accessories

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection Kits</td>
<td>23-25</td>
</tr>
<tr>
<td>Power Cables</td>
<td>26</td>
</tr>
<tr>
<td>Interface Cables</td>
<td>27-29</td>
</tr>
<tr>
<td>Replacement Parts</td>
<td>30</td>
</tr>
<tr>
<td>650 Arms</td>
<td>31</td>
</tr>
<tr>
<td>Terms and Conditions</td>
<td>32</td>
</tr>
<tr>
<td>Design your system</td>
<td>33-34</td>
</tr>
<tr>
<td>Other Brochures in the Purex Range</td>
<td>35</td>
</tr>
</tbody>
</table>
Protecting People and the Environment with Innovative Technology

Health & Safety Legislation
Local and international health and safety legislation (such as COSHH, NIOSH, OSHA etc) states that it is the employer's 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.

The Need for 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. A high performance fume extraction system will help to:

- Protect employee health.
- Ensure compliance with Health & Safety regulations such as OSHA, NIOSH, COSHH, MAK, AFNOR and HSG258 or equivalent.
- Increase production speeds.
- Reduce complaints by operators due to odours, dust and vapours.
- Avoid the possible cost of health compensation claims.
- Reduce the cost & time to clean laser lenses, conveyors, guarding, soldering machines and other equipment.
- Reduce product contamination.
- Provide a better working environment.
- Reduce downtime.

Which Extraction System?
There are usually two types of extraction system available:

- External - pump contaminated air outside
- Internal - at source capture and filtration or LEV (local exhaust ventilation) system

In our opinion the best system to use is an LEV system such as a Purex. These capture fumes at the source thereby preventing fumes escaping into the workplace. They also filter hazardous particles and gasses which would otherwise be pumped into the outside environment causing pollution.

Using an internal filter system also avoids issues with environmental regulations and potential complaints from neighbouring businesses about fumes and odours.

Purex LEV systems sit next to the process and the extraction rate can be altered precisely to suit the application. Purex machines are also easy to move if the process moves.

LEV systems have additional benefits over external exhaust systems.

See comparison table below...

“Purex LEV engineers are qualified to BOHS P601 or P602”

---

www.purex.co.uk purex@purex.co.uk - 3 -
A dedicated control, monitoring and display system unique to Purex fume extractors. All functions are fully automatic, all the user has to do is set the appropriate airflow on installation.

The many features of this system are designed to:

- Protect people by constantly monitoring exhaust emissions.
- Maintain a constant airflow and lower energy consumption by using variable speed motors which also allow the use of a fully automatic flow control system.
- Show the operator at a glance the status of the machine via an advanced graphic display.
### Gas Sensors
Constantly monitors the chemical filters to warn the user when they are nearly saturated. This helps reduce downtime by allowing the user time to make replacement filters ready. Gas sensors also warn the user if hazardous gas is passing through the system, e.g. due to a missing, damaged or incorrectly fitted filter.

### Particle Sensors
Constantly monitors the particle filters to warn the user if hazardous particles are passing through the system, e.g. due to a missing, damaged or incorrectly fitted filter.

### Speed Control
The user can set the required airflow for the process. The motor will automatically speed up or slow down until the “required” airflow equals the “actual” airflow. This system is energy efficient as the motor does not have to constantly run at 100%. It also means the machine is quieter and the filters last longer.

### Flow Control
Purex “Flow Control” automatically increases the speed of the motor as the filter blocks to keep extraction constant and ensure fumes are captured effectively throughout the life of the filter.

### Filter Status
Constantly monitors the particle filters to warn the user when they are nearly full. This helps reduce downtime by allowing the user time to make replacement filters ready.

### Filter Indicator
If a filter is nearly blocked or if the gas or particle alarms are triggered, this icon will show which filters may need attention. This makes it easier and quicker for the user to identify where the problem may be. This icon also indicates to the user when the motor is running.

### Temperature
An adjustable alarm to warn if the filtered air temperature goes above a certain level.

### Interface
Allows the Purex unit to communicate with associated equipment such as lasers or reflow ovens etc. Options:
- Synchronised STOP/START
- Automatic run on (extraction continues for a set period after associated equipment is stopped)
- Filter Alarm Signals
- Several connection types
- Remote ON/OFF switch

---

### Accessories: (See separate Brochure)

#### Additional Filtration
Some applications may require additional filter capacity, for example the Cascade filter can extend the life of other filters in problematic applications.

#### Armes & Pipework
Accessories include arm, tip and pipework kits.

#### Remote ON/OFF
Switch your Purex fume extractor on/off from up to 5m away. This is particularly useful if your fume extractor is tucked away under a bench where it cannot easily be accessed.

---

### Services Provided

#### Installation
Correct installation is essential to aid compliance with health and safety regulations and to protect your people and process.

#### LEV Testing
LEV testing is also essential to aid compliance with health and safety regulations and to protect your people and process.

Contact Purex on 01405 746045 or email lev@purex.co.uk
# Fume Extractor Selector Guide

## SOLDERING & ELECTRONICS MANUFACTURING

<table>
<thead>
<tr>
<th>Machine</th>
<th>Max No. Arms 38mm</th>
<th>Max No. Arms 50mm</th>
<th>Max No. Arms 75mm</th>
<th>Max No. Arms 100mm</th>
<th>Max No. Clean Cabs</th>
<th>Max No. Cowls</th>
<th>Max No. Soldering Iron Tips</th>
<th>Oven Extract Volume Required m³/hr</th>
<th>Oven Extract Volume Required m³/hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>3</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>2</td>
<td>up to 30</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>400</td>
<td>6</td>
<td>4</td>
<td>1</td>
<td>1</td>
<td>1-2</td>
<td>4</td>
<td>up to 30</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>200i</td>
<td>3</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>2</td>
<td>up to 50</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>200i-HP</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>up to 50</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>400i</td>
<td>6</td>
<td>4</td>
<td>1</td>
<td>1</td>
<td>1-2</td>
<td>4</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>650</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>800i</td>
<td>9</td>
<td>8</td>
<td>4</td>
<td>2</td>
<td>2-4</td>
<td>6</td>
<td>-</td>
<td>Below 900</td>
<td>-</td>
</tr>
<tr>
<td>1500i</td>
<td>12</td>
<td>12</td>
<td>-</td>
<td>5</td>
<td>4-8</td>
<td>8</td>
<td>-</td>
<td>Below 900</td>
<td>Below 1500</td>
</tr>
<tr>
<td>2000i</td>
<td>15</td>
<td>15</td>
<td>-</td>
<td>5</td>
<td>6-12</td>
<td>10</td>
<td>-</td>
<td>Below 1500</td>
<td>Below 1500</td>
</tr>
<tr>
<td>5000i</td>
<td>36</td>
<td>36</td>
<td>-</td>
<td>10</td>
<td>12-24</td>
<td>20</td>
<td>-</td>
<td>Over 1500</td>
<td>Over 1500</td>
</tr>
</tbody>
</table>

Notes:
1. The selection is based on the use of a standard connection kit.
2. A larger extraction machine may be required depending on the layout and the type of fume or dust.
3. Continuous use may require a machine with larger filtration capacity.

## LASER ENGRAVING

<table>
<thead>
<tr>
<th>Size of Laser Engraving Machine</th>
<th>400i</th>
<th>800i 2 tier</th>
<th>800i 3 tier</th>
<th>1500i</th>
<th>1750i</th>
<th>2000i</th>
<th>5000i</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Use</td>
<td>200i</td>
<td>400i</td>
<td>800i</td>
<td>1500i</td>
<td>1750i</td>
<td>2000i</td>
<td>5000i</td>
</tr>
<tr>
<td>Small</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Medium</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Large</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Extra large open bed lasers</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Notes: Always select a volume control machine.

1. The selection is based on the use of standard connection kit.
2. * Heavy use includes high proportion of cutting, lasers with a deep bed and constant use. Contact Purex for further advice.
3. In applications with extremely high dust emissions, a Cascade inline filter can be considered.
## CODING & MARKING

### Laser Coding & Marking

<table>
<thead>
<tr>
<th>CPM (Codes per Minute)</th>
<th>200i</th>
<th>400i</th>
<th>800i 2 tier (High Dust)</th>
<th>800i 3 tier (High Gas)</th>
<th>1500i</th>
<th>1750i (High Gas)</th>
<th>2000i</th>
<th>5000i</th>
</tr>
</thead>
<tbody>
<tr>
<td>Good Enclosure</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Poor Enclosure</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>&lt;200</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>200-500</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>&gt;500</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

- Normal selection.
- Select if extra filter capacity is required and/or additional airflow is required to extract from multiple lasers or heavy duty applications.
- May also be considered.
- Unit not usually specified for application.
- Optional “PVC” machines should be used when lasing onto PVC.

**Notes:**
- Always select a volume control machine.
- The selection is based on the use of standard connection kit.
- The 800i 3 tier unit is designed for use where the application has low dust, but high gas emissions. The 2 tier is designed for applications producing high dust emissions.
- A poor enclosure is where less than 4 sides of the process are enclosed.

### Continuous Inkjet Coding & Marking

<table>
<thead>
<tr>
<th>Small Character Inkjet Printers</th>
<th>200</th>
<th>400</th>
<th>800</th>
</tr>
</thead>
<tbody>
<tr>
<td>See Notes</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

- Normal selection.
- Select if additional airflow is required to extract from multiple inkjet heads or if the controller unit has cooling fans installed.

**Notes:**
- Always select a volume control machine.
- There are many different makes and models of inkjet printers available. Please contact Purex or your local representative for advice on which model is correct for particular applications.

**IMPORTANT:**
- This is a guide only, many factors influence the choice of fume extraction system. For more help and information please contact Purex or your local representative.
- Purex recommends the use of anti static hose with continuous inkjet printers.

### Dispensing and Conformal Coating

<table>
<thead>
<tr>
<th>Process Time</th>
<th>800 WHITE</th>
<th>800 STAINLESS</th>
<th>800i 3 Tier</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 Hours</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>24 Hours</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

- Normal selection.
- May also be considered.
- Unit not usually specified for application.

### The Ultimate in Flexibility - 650

- The fully mobile unit with integrated arms gives you the "Ultimate in Flexibility" around the workplace.
- With a large selection of filters the 650 can be applied on many processes including soldering, adhesives, chemicals and more.

### Dye Sublimation

- Includes special filter box which allows excess fluid to be drained from the process, giving longer filter life.

If your process creates a hazard contact Purex. We have a solution.
### FUME EXTRACTION SYSTEMS

**PUREX**

www.purex.co.uk  purex@purex.co.uk

---

**What to specify...**

1. **Model**
2. **Voltage**
3. **Volume or Vacuum**
4. **Pre-filter**
5. **Main filter**
6. **Connection Kit**
7. **Power Lead**
8. **Interfacing Kit**

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage</th>
<th>Volume Control</th>
<th>Pre-filter</th>
<th>Main filter</th>
<th>Connection Kit</th>
<th>Power Lead</th>
<th>Interfacing Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>230V ±10%</td>
<td>0LX2100D</td>
<td>400</td>
<td></td>
<td></td>
<td>0.46 kW</td>
<td></td>
</tr>
<tr>
<td></td>
<td>120V ±10%</td>
<td>0LX2101D</td>
<td>400</td>
<td></td>
<td></td>
<td>0.47 kW</td>
<td></td>
</tr>
<tr>
<td>400</td>
<td>230V ±10%</td>
<td>0LX4000D</td>
<td>400</td>
<td></td>
<td></td>
<td>1.30 kW</td>
<td></td>
</tr>
<tr>
<td></td>
<td>120V ±10%</td>
<td>0LX4001D</td>
<td>400</td>
<td></td>
<td></td>
<td>1.37 kW</td>
<td></td>
</tr>
</tbody>
</table>

- **200**
- **400**

---

### Digital Control System

A dedicated control, monitoring and display system unique to Purex fume extractors. All functions are fully automatic, all the user has to do is set the appropriate airflow on installation. The features of this system are designed to:

- Lower energy consumption by using variable speed motors and automatic flow control.
- Increase filter life by using the optimal extraction rate.
- Further protect people by constantly monitoring exhaust emissions.
- Interface with other equipment e.g. a laser.
- Maintain a constant extraction rate to prevent fume escape or damage to equipment.

### System Features...

- Automatic electronic flow control - maintains a constant extraction rate even as the filter blocks
- Adjustable airflow
- Clear and informative graphic display
- Gas and particle sensors on the exhaust
- Low capital and running costs
- Quick change 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
- Precision made from stainless steel
- High performance brushless motors

---

**Optional Clean Air Cowl - 190040**

---

**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.
8. Debris tray.

† Standard Filter Only

---

**Accessories**

Please see the accessories brochure.

---

www.purex.co.uk  purex@purex.co.uk
What to specify...

<table>
<thead>
<tr>
<th>Voltage</th>
<th>200i</th>
<th>200i-HP</th>
<th>400i</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage Control</td>
<td>230V ±10% 120V ±10%</td>
<td>230V ±10%</td>
<td>120V ±10%</td>
</tr>
<tr>
<td>Vacuum Control</td>
<td>080026iD 081026iD</td>
<td>080050iD 080410iD</td>
<td>080411iD</td>
</tr>
<tr>
<td>Wattage</td>
<td>0.46 kW 0.47 kW</td>
<td>1.30 kW 1.37 kW</td>
<td></td>
</tr>
<tr>
<td>Frequency</td>
<td>50Hz / 60 Hz 50Hz / 60 Hz</td>
<td>50Hz / 60 Hz 50Hz / 60 Hz</td>
<td>50Hz / 60 Hz</td>
</tr>
<tr>
<td>Cabinet height</td>
<td>1070 mm 1070 mm</td>
<td>1070 mm</td>
<td>1070 mm</td>
</tr>
<tr>
<td>Cabinet width</td>
<td>465 mm 465 mm</td>
<td>465 mm</td>
<td>465 mm</td>
</tr>
<tr>
<td>Cabinet depth</td>
<td>528 mm 528 mm</td>
<td>528 mm</td>
<td>528 mm</td>
</tr>
<tr>
<td>Cabinet weight</td>
<td>60 Kg 60 Kg</td>
<td>193 Kg 467 Kg</td>
<td>456 Kg</td>
</tr>
<tr>
<td>Sound Rating</td>
<td>52 52</td>
<td>52 52</td>
<td>55</td>
</tr>
<tr>
<td>Airflow m³/hr</td>
<td>150 150</td>
<td>193 467</td>
<td>456</td>
</tr>
<tr>
<td>Vacuum (kPa)</td>
<td>17.29 16.28</td>
<td>20.40 9.92</td>
<td>9.92 9.10</td>
</tr>
</tbody>
</table>

**Digital Control System**
A dedicated control, monitoring and display system unique to Purex fume extractors. All functions are fully automatic, all the user has to do is set the appropriate airflow on installation. The features of this system are designed to:
- Lower energy consumption by using variable speed motors and automatic flow control.
- Increase filter life by using the optimal extraction rate.
- Further protect people by constantly monitoring exhaust emissions.
- Interface with other equipment e.g. a laser.
- Maintain a constant extraction rate to prevent fume escape or damage to equipment.

**System Features...**
- Automatic electronic flow control - maintains a constant extraction rate even as the filter blocks
- 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

**Includes:**
- 1 x Main filter
- 2 x Labyrinth pre-filters
- 1 x Connection kit
- 1 x Power cable

**Accessories**
Please see the accessories brochure.

---

**Labyrinth Pre-filter**
Pack of two supplied - See page 19-20

**Main Filter**
One supplied - See page 21-22 for your application

**Connection Hose Kit**
One supplied - See page 23-25 to suit your system

**Power Cable**
One supplied - See page 26 for your country & voltage

**Machine Interfacing (Optional)**
See page 27-29 to match your system

Optional Clean Air Cowl - 190040
### 400i PVC

|-------------------|---------|-----------|-----------|---------------|---------------|-------------------|--------------|-------------------|

#### 1. Model

- Voltage: 230V ±10% 120V ±10%
- Volume Control: 0PV4010D 0PV4013D
- Wattage: 1.30 kW 1.37 kW
- Frequency: 50Hz / 60 Hz 50Hz / 60 Hz
- Cabinet height (incl castors): 1181 mm 1181 mm
- Cabinet width (not incl hose): 465 mm 465 mm
- Cabinet depth (not incl hose): 528 mm 528 mm
- Cabinet weight: 70 Kg 70 Kg
- Sound Rating (dBA): 52 55
- Airflow m$^3$/hr: 467 465
- Vacuum (kPa): 9.92 9.10

#### 2. Voltage

- Models: 0PV4010D 0PV4013D
- Wattages: 1.30 kW 1.37 kW
- Frequencies: 50Hz / 60 Hz 50Hz / 60 Hz

#### 3. Volume

- Control: 0PV4010D 0PV4013D
- Heights: 1181 mm 1181 mm
- Widths: 465 mm 465 mm
- Depths: 528 mm 528 mm
- Weights: 70 Kg 70 Kg

#### 4. Pre-filter

- Model: 2
- Type: Labyrinth pre-filter and pads
- Features: Pack of two pre-filters and pack of four pads supplied - See page 19-20

#### 5. Main filter

- Model: 5
- Type: Main Filter
- Features: One supplied - See page 21-22 for your application

#### 6. Connection Hose Kit

- Model: 6
- Type: Connection Hose Kit
- Features: One supplied - See page 23 to suit your system

#### 7. Power Cable

- Model: 7
- Type: Power Cable
- Features: One supplied - See page 26 for your country & voltage

#### 8. Machine Interfacing (Optional)

- Model: 8
- Type: Machine Interfacing (Optional)
- Features: See page 27-29 to match your system

---

### Digital Control System

A dedicated control, monitoring and display system unique to Purex fume extractors. All functions are fully automatic, all the user has to do is set the appropriate airflow on installation. The features of this system are designed to:

- Lower energy consumption by using variable speed motors and automatic flow control.
- Increase filter life by using the optimal extraction rate.
- Further protect people by constantly monitoring exhaust emissions.
- Interface with other equipment e.g. a laser.

### System Features...

- Automatic electronic flow control - maintains a constant extraction rate even as the filter blocks
- 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

---

### Accessories

Please see the accessories brochure.

---

**www.purex.co.uk**

- 10 -

**purex@purex.co.uk**
**400i - Dye Sublimation**

|-------------------|----------|------------|-----------|---------------|---------------|-------------------|--------------|-------------------|

**400i for Dye Sublimation Printers**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>230V ±10%</th>
<th>120V ±10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume Control</td>
<td>OLX4027</td>
<td>OLX4028</td>
</tr>
<tr>
<td>Wattage</td>
<td>1.30 kW</td>
<td>1.37 kW</td>
</tr>
<tr>
<td>Frequency</td>
<td>50Hz / 60 Hz</td>
<td>50Hz / 60 Hz</td>
</tr>
<tr>
<td>Cabinet height (inc castors)</td>
<td>1070 mm</td>
<td>1070 mm</td>
</tr>
<tr>
<td>Cabinet width (not inc hose)</td>
<td>465 mm</td>
<td>465 mm</td>
</tr>
<tr>
<td>Cabinet depth (not inc hose)</td>
<td>528 mm</td>
<td>528 mm</td>
</tr>
<tr>
<td>Cabinet weight</td>
<td>60 Kg</td>
<td>60 Kg</td>
</tr>
<tr>
<td>Sound Rating (dBA)</td>
<td>52</td>
<td>55</td>
</tr>
<tr>
<td>Airflow m³/hr</td>
<td>467</td>
<td>465</td>
</tr>
<tr>
<td>Vacuum (kPa)</td>
<td>9.92</td>
<td>9.10</td>
</tr>
</tbody>
</table>

**Labyrinth Pre-filter**

Pack of two supplied - See page 19-20

**Main Filter**

One supplied - See page 21-22 for your application

**Connection Hose Kit**

One supplied - See page 23-25 to suit your system

**Power Cable**

One supplied - See page 26 for your country & voltage

**Machine Interfacing (Optional)**

See page 27-29 to match your system

---

**Digital Control System**

A dedicated control, monitoring and display system unique to Purex fume extractors. All functions are fully automatic, all the user has to do is set the appropriate airflow on installation. The features of this system are designed to:

- Lower energy consumption by using variable speed motors and automatic flow control.
- Increase filter life by using the optimal extraction rate.
- Further protect people by constantly monitoring exhaust emissions.
- Interface with other equipment e.g. a laser.
- Maintain a constant extraction rate to prevent fume escape or damage to equipment.

**System Features...**

- Glycol condensor unit
- Automatic electronic flow control - maintains a constant extraction rate even as the filter blocks
- 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

---

**Includes:**

- 1 x Main filter
- 2 x Labyrinth pre-filter
- 1 x Condenser unit
- 1 x Connection kit
- 1 x Power cable

**Accessories**

Please see the accessories brochure.

---

www.purex.co.uk  
purex@purex.co.uk
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>230V ±10%</td>
<td>120V ±10%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Volume Control</td>
<td>080467D</td>
<td>080472D</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vacuum Control</td>
<td>080465D</td>
<td>080475D</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wattage</td>
<td>0.36 kW</td>
<td>0.36 kW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency</td>
<td>50Hz / 60 Hz</td>
<td>50Hz / 60 Hz</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cabinet height (incl castors)</td>
<td>720 mm</td>
<td>720 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cabinet width (not incl hose)</td>
<td>445 mm</td>
<td>445 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cabinet depth (not incl hose)</td>
<td>610 mm</td>
<td>610 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cabinet weight</td>
<td>50 Kg</td>
<td>50 Kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sound Rating (dBA)</td>
<td>50</td>
<td>50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Airflow m³/hr (1 arm)</td>
<td>238</td>
<td>238</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vacuum (kPa)</td>
<td>2.8</td>
<td>2.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Pre-filter Pad**

Pack of four supplied - See page 19-20

**Main Filter**

One supplied - See page 21-22 for your application

**Arm**

One arm and one hood supplied - See page 31

**Power Cable**

One supplied - See page 26 for your country & voltage

**Machine Interfacing (Optional)**

See page 27-29 to match your system

---

**Digital Control System**

A dedicated control, monitoring and display system unique to Purex fume extractors. All functions are fully automatic, all the user has to do is set the appropriate airflow on installation. The features of this system are designed to:

- Lower energy consumption by using variable speed motors and automatic flow control.
- Increase filter life by using the optimal extraction rate.
- Further protect people by constantly monitoring exhaust emissions.
- Interface with other equipment e.g. a laser.
- Maintain a constant extraction rate to prevent fume escape or damage to equipment.

**System Features...**

- Automatic electronic flow control - maintains a constant extraction rate even as the filter blocks
- Adjustable airflow
- Clear and informative graphic display
- Gas and particle sensors on the exhaust
- Low capital and running costs
- Quick change 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
- Precision made from stainless steel
- High performance brushless motors

**Includes:**

1 x Main filter
4 x Pre-filter pads
1 x Arm & hood
1 x Power cable

**Accessories**

Please see the accessories brochure.

---

www.purex.co.uk purex@purex.co.uk
What to specify...
1. Model
2. Voltage
3. Volume or Vacuum
4. Pre-filter
5. Main filter
6. Connection Kit
7. Power Lead
8. Interfacing Kit

### 800 Stainless

<table>
<thead>
<tr>
<th>Voltage</th>
<th>230V ±10%</th>
<th>120V ±10%</th>
<th>230V ±10%</th>
<th>120V ±10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume Control</td>
<td>080751D</td>
<td>080752D</td>
<td>080749D</td>
<td>080750D</td>
</tr>
<tr>
<td>Vacuum Control</td>
<td>080753D</td>
<td>080754D</td>
<td>080756D</td>
<td>080757D</td>
</tr>
<tr>
<td>Voltage</td>
<td>2.40 kW</td>
<td>2.74 kW</td>
<td>2.40 kW</td>
<td>2.74 kW</td>
</tr>
<tr>
<td>Frequency</td>
<td>50Hz / 60 Hz</td>
<td>50Hz / 60 Hz</td>
<td>50Hz / 60 Hz</td>
<td>50Hz / 60 Hz</td>
</tr>
<tr>
<td>Cabinet height (inc castors)</td>
<td>740 mm</td>
<td>740 mm</td>
<td>740 mm</td>
<td>740 mm</td>
</tr>
<tr>
<td>Cabinet depth (not inc hose)</td>
<td>670 mm</td>
<td>670 mm</td>
<td>670 mm</td>
<td>670 mm</td>
</tr>
<tr>
<td>Cabinet weight</td>
<td>80 Kg</td>
<td>80 Kg</td>
<td>80 Kg</td>
<td>80 Kg</td>
</tr>
<tr>
<td>Sound Rating (dBA)</td>
<td>57</td>
<td>57</td>
<td>57</td>
<td>57</td>
</tr>
<tr>
<td>Airflow m³/hr</td>
<td>800</td>
<td>800</td>
<td>800</td>
<td>800</td>
</tr>
<tr>
<td>Vacuum (kPa)</td>
<td>9.92</td>
<td>9.10</td>
<td>9.92</td>
<td>9.10</td>
</tr>
</tbody>
</table>

### 800 White

<table>
<thead>
<tr>
<th>Voltage</th>
<th>230V ±10%</th>
<th>120V ±10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume Control</td>
<td>080751D</td>
<td>080752D</td>
</tr>
<tr>
<td>Vacuum Control</td>
<td>080753D</td>
<td>080754D</td>
</tr>
<tr>
<td>Voltage</td>
<td>2.40 kW</td>
<td>2.74 kW</td>
</tr>
<tr>
<td>Frequency</td>
<td>50Hz / 60 Hz</td>
<td>50Hz / 60 Hz</td>
</tr>
<tr>
<td>Cabinet height (inc castors)</td>
<td>740 mm</td>
<td>740 mm</td>
</tr>
<tr>
<td>Cabinet depth (not inc hose)</td>
<td>670 mm</td>
<td>670 mm</td>
</tr>
<tr>
<td>Cabinet weight</td>
<td>80 Kg</td>
<td>80 Kg</td>
</tr>
<tr>
<td>Sound Rating (dBA)</td>
<td>57</td>
<td>57</td>
</tr>
<tr>
<td>Airflow m³/hr</td>
<td>800</td>
<td>800</td>
</tr>
<tr>
<td>Vacuum (kPa)</td>
<td>9.92</td>
<td>9.10</td>
</tr>
</tbody>
</table>

**Pre-filter Pad**

Pack of four supplied - See page 19-20

**Main Filter**

One supplied - See page 21-22 for your application

**Connection Hose Kit**

One supplied - See page 23-25 to suit your system

**Power Cable**

5M Fixed power cable, no plug fitted.

**Machine Interfacing (Optional)**

See page 27-29 to match your system

### Digital Control System

A dedicated control, monitoring and display system unique to Purex fume extractors. All functions are fully automatic, all the user has to do is set the appropriate airflow on installation. The features of this system are designed to:

- Lower energy consumption by using variable speed motors and automatic flow control.
- Increase filter life by using the optimal extraction rate.
- Further protect people by constantly monitoring exhaust emissions.
- Interface with other equipment e.g. a laser.
- Maintain a constant extraction rate to prevent fume escape or damage to equipment.

**System Features...**

- Automatic electronic flow control - maintains a constant extraction rate even as the filter blocks
- Adjustable airflow
- Clear and informative graphic display
- Gas and particle sensors on the exhaust
- Low capital and running costs
- Quick change 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
- Precision made from stainless steel
- High performance brushless motors

**Accessories**

Please see the accessories brochure.

- 1 x Main filter
- 4 x Pre-filter pad
- 1 x Power cable (no plug)

www.purex.co.uk
## 800i - 2 Tier

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Volume Control</th>
<th>Vacuum Control</th>
<th>Wattage</th>
<th>Frequency</th>
<th>Cabinet Height (inc castors)</th>
<th>Cabinet Width (not inc hose)</th>
<th>Cabinet Depth (not inc hose)</th>
<th>Cabinet Weight</th>
<th>Airflow m³/hr</th>
<th>Vacuum (kPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>230V ±10%</td>
<td>080502D</td>
<td>0805050</td>
<td>2.60 kW</td>
<td>50Hz / 60 Hz</td>
<td>1143 mm</td>
<td>571 mm</td>
<td>670 mm</td>
<td>80 Kg</td>
<td>800</td>
<td>9.92</td>
</tr>
<tr>
<td>120V ±10%</td>
<td>080503D</td>
<td>080505D</td>
<td>2.74 kW</td>
<td>50Hz / 60 Hz</td>
<td>1143 mm</td>
<td>571 mm</td>
<td>670 mm</td>
<td>90 Kg</td>
<td>800</td>
<td>9.10</td>
</tr>
</tbody>
</table>

## Optional Clean Air Cowl - 190039

### Labyrinth Pre-filter
- Pack of two supplied - See page 19-20

### Main Filter
- One supplied with 2 tier - See page 21-22
- Two supplied with 3 tier - See page 21-22

### Connection Hose Kit
- One supplied - See page 23-25
to suit your system

### Power Cable
- 5M Fixed power cable, no plug fitted.

### Machine Interfacing (Optional)
- Allows the Purex system to interface with a piece of equipment connected to it.
- See page 27-29
to match your system

## System Features...
- Automatic electronic flow control - maintains a constant extraction rate even as the filter blocks
- 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

### Digital Control System
A dedicated control, monitoring and display system unique to Purex fume extractors. All functions are fully automatic, all the user has to do is set the appropriate airflow on installation. The features of this system are designed to:
- Lower energy consumption by using variable speed motors and automatic flow control.
- Increase filter life by using the optimal extraction rate.
- Further protect people by constantly monitoring exhaust emissions.
- Interface with other equipment e.g. a laser.
- Maintain a constant extraction rate to prevent fume escape or damage to equipment.

### Accessories
- Please see the accessories brochure.
- Includes:
  - 1 x Main filter (2-tier)
  - 2 x Main filters (3-tier)
  - 2 x Labyrinth pre-filters
  - 1 x Power cable (no plug)
## What to specify...

1. Model
2. Voltage
3. Volume or Vacuum
4. Pre-filter
5. Main filter
6. Connection Kit
7. Power Lead
8. Interfacing Kit

### 1500i

<table>
<thead>
<tr>
<th>Voltage</th>
<th>230V ±10%</th>
<th>120V ±10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume Control</td>
<td>0LX1510D</td>
<td>0LX1511D</td>
</tr>
<tr>
<td>Vacuum Control</td>
<td>021820ID</td>
<td>021821ID</td>
</tr>
<tr>
<td>Wattage</td>
<td>3.45 kW</td>
<td>3.45 kW</td>
</tr>
<tr>
<td>Frequency</td>
<td>50Hz / 60 Hz</td>
<td>50Hz / 60 Hz</td>
</tr>
<tr>
<td>Cabinet height</td>
<td>1400 mm</td>
<td>1400 mm</td>
</tr>
<tr>
<td>Cabinet width</td>
<td>725 mm</td>
<td>725 mm</td>
</tr>
<tr>
<td>Cabinet depth</td>
<td>726 mm</td>
<td>726 mm</td>
</tr>
<tr>
<td>Cabinet weight</td>
<td>150 Kg</td>
<td>150 Kg</td>
</tr>
<tr>
<td>Sound Rating</td>
<td>59 dB</td>
<td>59 dB</td>
</tr>
<tr>
<td>Airflow m³/hr</td>
<td>1700</td>
<td>1700</td>
</tr>
<tr>
<td>Vacuum (kPa)</td>
<td>4.77</td>
<td>4.77</td>
</tr>
</tbody>
</table>

### Labyrinth Pre-filter

One supplied - See page 19-20

### Main Filter

One supplied - See page 21-22 for your application

### Connection Hose Kit

One supplied - See page 23-25 to suit your system

### Power Cable

5M Fixed power cable, no plug fitted.

### Machine Interfacing (Optional)

Allows the Purex system to interface with a piece of equipment connected to it.

### Digital Control System

A dedicated control, monitoring and display system unique to Purex fume extractors. All functions are fully automatic, all the user has to do is set the appropriate airflow on installation. The features of this system are designed to:

- Lower energy consumption by using variable speed motors and automatic flow control.
- Increase filter life by using the optimal extraction rate.
- Further protect people by constantly monitoring exhaust emissions.
- Interface with other equipment e.g. a laser.
- Maintain a constant extraction rate to prevent fume escape or damage to equipment.

### System Features...

- Automatic electronic flow control - maintains a constant extraction rate even as the filter blocks
- 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
- Submicron (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

### Accessories

- Includes:
  1. Main Filter
  2. Labyrinth Pre-filter
  3. Power Cable (no plug)

- Please see the accessories brochure.

---

www.purex.co.uk

purex@purex.co.uk
1750i (3 Phase Supply)

What to specify...

1. Model
2. Voltage
3. Volume or Vacuum
4. Pre-filter
5. Main filter
6. Connection Kit
7. Power Lead
8. Interfacing Kit

<table>
<thead>
<tr>
<th>1750i</th>
<th>1750i</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>400V 3ph + N</td>
</tr>
<tr>
<td>Volume Control</td>
<td>0LX1750D</td>
</tr>
<tr>
<td>Vacuum Control</td>
<td>0LX1752D</td>
</tr>
<tr>
<td>Wattage</td>
<td>3.4 kW</td>
</tr>
<tr>
<td>Frequency</td>
<td>50Hz / 60 Hz</td>
</tr>
<tr>
<td>Cabinet height (inc castors)</td>
<td>1400 mm</td>
</tr>
<tr>
<td>Cabinet width (not inc hose)</td>
<td>725 mm</td>
</tr>
<tr>
<td>Cabinet depth (not inc hose)</td>
<td>726 mm</td>
</tr>
<tr>
<td>Cabinet weight</td>
<td>150 Kg</td>
</tr>
<tr>
<td>Sound Rating (dBA)</td>
<td>59</td>
</tr>
<tr>
<td>Airflow m³/hr</td>
<td>1700</td>
</tr>
<tr>
<td>Vacuum (kPa)</td>
<td>4.77</td>
</tr>
</tbody>
</table>

Labyrinth Pre-filter

- One supplied - See page 19-20

Main Filter

- One supplied - See page 21-22 for your application

Connection Hose Kit

- One supplied - See page 23-25 to suit your system

Power Cable

- 5M Fixed power cable, no plug fitted.

Machine Interfacing (Optional)

- Allows the Purex system to interface with a piece of equipment connected to it.

Digital Control System

A dedicated control, monitoring and display system unique to Purex fume extractors. All functions are fully automatic, all the user has to do is set the appropriate airflow on installation. The features of this system are designed to:

- Lower energy consumption by using variable speed motors and automatic flow control.
- Increase filter life by using the optimal extraction rate.
- Further protect people by constantly monitoring exhaust emissions.
- Interface with other equipment e.g. a laser.
- Maintain a constant extraction rate to prevent fume escape or damage to equipment.

System Features...

- Automatic electronic flow control - maintains a constant extraction rate even as the filter blocks
- 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

Includes:
1 x Main filter
1 x Labyrinth pre-filter
1 x Power cable (no plug)

Accessories
Please see the accessories brochure.

www.purex.co.uk
purex@purex.co.uk
### What to specify...

1. **Model**
2. **Voltage**
3. **Volume or Vacuum**
4. **Pre-filter**
5. **Main filter**
6. **Connection Kit**
7. **Power Lead**
8. **Interfacing Kit**

<table>
<thead>
<tr>
<th>2000i</th>
<th>2000i</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Voltage</strong></td>
<td>400V 3ph + N</td>
</tr>
<tr>
<td><strong>Volume Control</strong></td>
<td>OUX2010D</td>
</tr>
<tr>
<td><strong>Vacuum Control</strong></td>
<td>OUX2101D</td>
</tr>
<tr>
<td><strong>Wattage</strong></td>
<td>3.4 kW</td>
</tr>
<tr>
<td><strong>Frequency</strong></td>
<td>50Hz / 60 Hz</td>
</tr>
<tr>
<td><strong>Cabinet height (inc castors)</strong></td>
<td>1400 mm</td>
</tr>
<tr>
<td><strong>Cabinet width (not inc hose)</strong></td>
<td>725 mm</td>
</tr>
<tr>
<td><strong>Cabinet depth (not inc hose)</strong></td>
<td>726 mm</td>
</tr>
<tr>
<td><strong>Cabinet weight</strong></td>
<td>150 Kg</td>
</tr>
<tr>
<td><strong>Sound Rating (dBA)</strong></td>
<td>59</td>
</tr>
<tr>
<td><strong>Airflow m³/hr</strong></td>
<td>2200</td>
</tr>
<tr>
<td><strong>Vacuum (kPa)</strong></td>
<td>6.28</td>
</tr>
</tbody>
</table>

### Labyrinth Pre-filter

- One supplied - See page 19-20

### Main Filter

- One supplied - See page 21-22 for your application

### Connection Hose Kit

- One supplied - See page 23-25 to suit your system

### Power Cable

- 5M Fixed power cable, no plug fitted.

### Machine Interfacing (Optional)

- Allows the Purex system to interface with a piece of equipment connected to it.

#### System Features...

- Automatic electronic flow control - maintains a constant extraction rate even as the filter blocks
- 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
- Submicron (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

#### Digital Control System

A dedicated control, monitoring and display system unique to Purex fume extractors. All functions are fully automatic, all the user has to do is set the appropriate airflow on installation. The features of this system are designed to:

- Lower energy consumption by using variable speed motors and automatic flow control.
- Increase filter life by using the optimal extraction rate.
- Further protect people by constantly monitoring exhaust emissions.
- Interface with other equipment e.g. a laser.
- Maintain a constant extraction rate to prevent fume escape or damage to equipment.

---

**Includes:**

- 1 x Main filter
- 1 x Labyrinth pre-filter
- 1 x Power cable (no plug)

**Accessories**

Please see the accessories brochure.
## 5000i (3 Phase Supply)

### What to specify...
1. Model
2. Voltage
3. Volume or Vacuum
4. Pre-filter
5. Main filter
6. Connection Kit
7. Power Lead
8. Interfacing Kit

### 5000i Specifications

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Volume Control</th>
<th>Vacuum Control</th>
<th>Wattage</th>
<th>Frequency</th>
<th>Cabinet Height (inc castors)</th>
<th>Cabinet Width (not inc hose)</th>
<th>Cabinet Depth (not inc hose)</th>
<th>Cabinet Weight</th>
<th>Sound Rating (dBA)</th>
<th>Airflow m³/hr</th>
<th>Vacuum (kPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>400V 3ph + N (Side Inlet)</td>
<td>0LX5550D</td>
<td>044250D</td>
<td>7.5 kW</td>
<td>50Hz / 60 Hz</td>
<td>1804 mm</td>
<td>1250 mm</td>
<td>892 mm</td>
<td>400 Kg</td>
<td>59</td>
<td>12,000</td>
<td>12</td>
</tr>
<tr>
<td>400V 3ph + N (Rear Inlet)</td>
<td>0LX5549D</td>
<td>044261D</td>
<td>7.5 kW</td>
<td>50Hz / 60 Hz</td>
<td>1804 mm</td>
<td>1250 mm</td>
<td>892 mm</td>
<td>400 Kg</td>
<td>59</td>
<td>12,000</td>
<td>12</td>
</tr>
<tr>
<td>220V 3ph (Side Inlet)</td>
<td>0LX5551D</td>
<td>044251D</td>
<td>7.5 kW</td>
<td>50Hz / 60 Hz</td>
<td>1804 mm</td>
<td>1250 mm</td>
<td>892 mm</td>
<td>400 Kg</td>
<td>59</td>
<td>12,000</td>
<td>12</td>
</tr>
<tr>
<td>220V 3ph (Rear Inlet)</td>
<td>0LX5565D</td>
<td>044265D</td>
<td>7.5 kW</td>
<td>50Hz / 60 Hz</td>
<td>1804 mm</td>
<td>1250 mm</td>
<td>892 mm</td>
<td>400 Kg</td>
<td>59</td>
<td>12,000</td>
<td>12</td>
</tr>
</tbody>
</table>

### Pre-filter
- Side Inlet – One supplied
- Rear Inlet – One supplied and a pack of four pads
  - See page 19-20

### Main Filter
- Two supplied - See page 21-22 for your application
- Two supplied - See page 21-22

### Connection Hose Kit
- One supplied - See page 23-25 to suit your system

### Power Cable
- 5M Fixed power cable, no plug fitted.

### Machine Interfacing (Optional)
- Allows the Purex system to interface with a piece of equipment connected to it.

### Digital Control System
A dedicated control, monitoring and display system unique to Purex fume extractors. All functions are fully automatic, all the user has to do is set the appropriate airflow on installation. The features of this system are designed to:
- Lower energy consumption by using variable speed motors and automatic flow control.
- Increase filter life by using the optimal extraction rate.
- Further protect people by constantly monitoring exhaust emissions.
- Interface with other equipment e.g. a laser.
- Maintain a constant extraction rate to prevent fume escape or damage to equipment.

### System Features...
- Automatic electronic flow control - maintains a constant extraction rate even as the filter blocks
- 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

### Includes:
- 2 x Main filters and 1 x Labyrinth Pre-filter or 4 x Pre-filter pads with 1 x Pleated Bag Filter
- 1 x Power cable (no plug)

### Accessories
Please see the accessories brochure.
Pre-filters are designed to capture larger particles before they can enter the main HEPA filter. Without pre-filters, the life of the main filter would be much shorter.

A variety of media and designs are available to allow Purex extractors to be used in a wide range of processes.

---

**Pre-filters**

**A** Pad 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
- Graduated fibre matrix delivers excellent particle capture capacity
- Ideal for low volume applications or where small amounts of particles are produced
- Captures particles to 5 micron at efficiency of 40 - 60%

**B** Pleated bag pre-filter
- Extends the life of the main filters by capturing larger particles
- Provides additional particle capturing capacity
- Ideal for processes where large amounts of particles are produced
- Contains the particles inside for clean and simple disposal
- Standard captures particles to 5 micron at 40 - 60%
- Composite captures particles to 1 micron at 95% efficiency

**C** Patented Labyrinth pre-filters
- 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 fibre 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%
<table>
<thead>
<tr>
<th>Machine</th>
<th>Pad Standard</th>
<th>Pad Composite</th>
<th>Absorbent Pad</th>
<th>Pleated Bags</th>
<th>Labyrinth Standard</th>
<th>Labyrinth Composite</th>
</tr>
</thead>
<tbody>
<tr>
<td>200/400</td>
<td>202260</td>
<td>200223</td>
<td></td>
<td>113531</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(spare 111141)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>200i/400i</td>
<td></td>
<td></td>
<td></td>
<td>202268</td>
<td></td>
<td>202271</td>
</tr>
<tr>
<td>200i HP</td>
<td></td>
<td></td>
<td></td>
<td>202271</td>
<td></td>
<td></td>
</tr>
<tr>
<td>400i PVC</td>
<td></td>
<td></td>
<td>200261</td>
<td>202271</td>
<td></td>
<td></td>
</tr>
<tr>
<td>400i Dye</td>
<td></td>
<td></td>
<td></td>
<td>202271</td>
<td></td>
<td></td>
</tr>
<tr>
<td>650</td>
<td>202260</td>
<td></td>
<td></td>
<td>202271</td>
<td></td>
<td></td>
</tr>
<tr>
<td>800</td>
<td>200275</td>
<td>200528</td>
<td></td>
<td>202271</td>
<td></td>
<td></td>
</tr>
<tr>
<td>800i 2 - Tier</td>
<td></td>
<td></td>
<td></td>
<td>202280</td>
<td></td>
<td>202272</td>
</tr>
<tr>
<td>800i 3 - Tier</td>
<td></td>
<td></td>
<td>200262</td>
<td>202273</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1500i</td>
<td></td>
<td></td>
<td></td>
<td>111037</td>
<td>111099</td>
<td></td>
</tr>
<tr>
<td>1750i</td>
<td></td>
<td></td>
<td>200281</td>
<td>111099</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2000i</td>
<td></td>
<td></td>
<td></td>
<td>111037</td>
<td>111099</td>
<td></td>
</tr>
<tr>
<td>5000i</td>
<td>200310</td>
<td>200312</td>
<td></td>
<td>111044</td>
<td>111006</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Rear inlet only</td>
<td>(spare 111038)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

If uncertain of Pre-filter choice contact Purex or your representative.

**Key**
- 4 pack of pads
- Single bag
- 2 pack of bags
- Pleated bag in metal case. Fit this when applicable instead of main filter.
Purex use specialised combinations of filter media to capture particles, gases and vapours generated by industrial processes such as laser engraving, laser marking, hand and machine soldering, ink jet printing and many others. Each filter has a unique serial number and is individually tested and certified to ensure performance and safety.

Purex 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. Additionally, air equalisation 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.

**Typical Filter**

**HEPA/Chemical**

Filters small particles @ 99.997% down to 0.3 microns in size and adsorbs a wide variety of gases and vapours.

**Chemical**

Adsorbs a wide variety of gases and vapours.
<table>
<thead>
<tr>
<th>Machine</th>
<th>Hepa/chemical</th>
<th>Hepa/twin chemical</th>
<th>Hepa/chemical Cleanroom</th>
<th>Chemical Std</th>
<th>Hepa only</th>
<th>Chemical Special</th>
<th>Solvent Lock</th>
</tr>
</thead>
<tbody>
<tr>
<td>200/400</td>
<td>113505</td>
<td>113579</td>
<td>113512</td>
<td>113508</td>
<td>113809</td>
<td>113662</td>
<td>113513</td>
</tr>
<tr>
<td></td>
<td>113505H</td>
<td>113579HD</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>200i/400i</td>
<td>113505</td>
<td>113579</td>
<td>113512</td>
<td>113508</td>
<td>113809</td>
<td>113662</td>
<td>113505P</td>
</tr>
<tr>
<td></td>
<td>113505H</td>
<td>113668</td>
<td>113669</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>113579HD</td>
</tr>
<tr>
<td>200i HP</td>
<td>113811</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>400i PVC</td>
<td>113498</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>400i Dye Sublimation</td>
<td>113505</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>650</td>
<td>113505</td>
<td>113579</td>
<td>113512</td>
<td>113508</td>
<td>113809</td>
<td>113662</td>
<td>113513</td>
</tr>
<tr>
<td></td>
<td>113505H</td>
<td>113579HD</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>800</td>
<td>113652</td>
<td>113660</td>
<td>113658</td>
<td>113651</td>
<td>113650</td>
<td>113702</td>
<td>113667</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>113675</td>
</tr>
<tr>
<td>800i 2-Tier</td>
<td>113652</td>
<td>113660</td>
<td>113658</td>
<td>113651</td>
<td>113650</td>
<td>113702</td>
<td>113667</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>113675</td>
</tr>
<tr>
<td>800i 3-Tier</td>
<td>113652</td>
<td>113660</td>
<td>113658</td>
<td>113651</td>
<td>113650</td>
<td>113702</td>
<td>113667</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>113675</td>
</tr>
<tr>
<td>1500i</td>
<td>110615</td>
<td>110614</td>
<td>110632</td>
<td>110610</td>
<td>110619</td>
<td>110610H</td>
<td></td>
</tr>
<tr>
<td>1750i</td>
<td></td>
<td>110616-PVC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2000i</td>
<td>110615</td>
<td>110614</td>
<td>110632</td>
<td>110610</td>
<td>110619</td>
<td>110610H</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5000i</td>
<td></td>
<td></td>
<td></td>
<td>110627</td>
<td>110633</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>110624</td>
<td>110682</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

If uncertain of main filter choice contact Purex or your representative.
### Connection Kits

**PUREX MACHINE INLET DIAMETERS**

- 80mm - 200, 400, 200i, 200i-HP, 400i, 400i Dye Sublimation, 400iPVC
- 100mm - 800i
- 125mm - 800
- 150mm - 1500i, 1750i, 2000i
- 200mm - 5000i

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>100170</td>
<td>1 x 80-34mm reducer, 1 x 1.5m x 41mm flexible hose, 2 x Half straight connector, 2 x 35-50mm hose clips</td>
</tr>
<tr>
<td>100180</td>
<td>1 x 80-53.5mm reducer, 1 x 2m x 57mm flexible hose, 2 x 45-60mm hose clips</td>
</tr>
<tr>
<td>10026</td>
<td>1 x earth strap 6mm, 1 x 80mm to 51mm reducer, 1 x 3m x 50mm anti-static hose, 2 x 51mm anti-static cuffs</td>
</tr>
<tr>
<td>100032</td>
<td>1 x 80-51mm reducer, 1 x 3m x 51mm flexible hose, 2 x 51mm cuffs</td>
</tr>
<tr>
<td>100039*</td>
<td>1 x dual manifold assembly(120093C), 1 x 6m x 51mm flexible hose, 2 x 51mm cuffs</td>
</tr>
</tbody>
</table>

* also suitable for PVC applications.

**Diameter of Customers port or pipework.**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Length of hose</th>
<th>Purex machine inlet diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>32mm</td>
<td>1.5m</td>
<td>80mm</td>
</tr>
<tr>
<td>50mm</td>
<td>2.0m</td>
<td>80mm</td>
</tr>
<tr>
<td>50mm</td>
<td>3.0m</td>
<td>80mm</td>
</tr>
<tr>
<td>50mm</td>
<td>6.0m</td>
<td>80mm</td>
</tr>
<tr>
<td>50mm</td>
<td>2.0m</td>
<td>80mm</td>
</tr>
</tbody>
</table>

**Type Code:**

- **Std 100043**
- **PVC 100043C***

* *also suitable for PVC applications.*

**Code:**

- 100037*
- 100039*
- 100019

* *also suitable for PVC applications.*

**Used to extend 100043 / 100039**

---

[www.purex.co.uk purex@purex.co.uk](http://www.purex.co.uk)

---

* - *also suitable for PVC applications.*
## Connection Kits

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Length</th>
<th>Connection Kit Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>50mm</td>
<td>3.0m</td>
<td>Connect to 50mm diameter pipe/port</td>
</tr>
</tbody>
</table>
| 80mm     |        | Code: 120285
- 1 x 80-53 mm reducer
- 1 x 3m x 57mm flexible hose
- 2 x 45-60mm hose clips |
| ??mm     | ??.m   | Diameter of Customers port or pipework. |
| ??mm     | ??.m   | Length of hose
| ??mm     | ??.m   | Purex machine inlet diameter |
| 80mm     | 1.3m   | Connect to 80mm diameter pipe/port |
| 80mm     |        | Code: 120293
- 1 x 80mm female coupling
- 2 x 70-90mm hose clips
- 1 x 1.3m x 82mm flexible hose |
| 100mm    | 3.0m   | Connect to 100mm diameter pipe/port |
| 100mm    |        | Code: 100107*
- 1 x 3m x 100mm flexible hose
- 2 x 90-120mm hose clips
* suitable for PVC |
| 100mm    | 1.5m   | Connect to 100mm diameter pipe/port |
| 100mm    |        | Code: 120270
- 1 x 100mm female coupling
- 1 x 1.5m x 100mm flexible hose
- 2 x 90-120mm hose clips |
| 100mm    | 2.3m   | Connect to 100mm diameter pipe/port |
| 80mm     |        | Code: 120288
- 1 x 80mm female coupling
- 2 x 70-90mm hose clips
- 1 x 2m x 82mm flexible hose
- 1 x 100-80mm reducer
- 1 x 0.3m x 100mm flexible hose
- 2 x 90-120mm hose clips |
| 100mm    | 1.3m   | Connect to 100mm diameter pipe/port |
| 80mm     |        | Code: 120292
- 1 x 80mm female coupling
- 2 x 70-90mm hose clips
- 1 x 1m x 82mm flexible hose
- 1 x 100-80mm reducer
- 1 x 0.3m x 100mm flexible hose
- 2 x 90-120mm hose clips |
| 100mm    | 3.0m   | Connect to 100mm diameter pipe/port |
| 100mm    |        | Code: 120291
- 1 x 100mm female coupling
- 1 x 100mm equal tee
- 2 x 100-80mm reducer
- 2 x 2m x 100mm flexible hose
- 4 x 90-120mm hose clips |
| 100mm    | 2.0m (Dual) | Connect to 100mm diameter pipe/port |
| 80mm     |        | Code: 120297
- 3 x 80mm female coupling
- 1 x 80mm equal tee
- 2 x 100-80mm reducer
- 2 x 2m x 100mm flexible hose
- 4 x 90-120mm hose clips |

---

**Note:**
- 50mm and 80mm kits are for connecting to existing systems.
- 100mm kits are for new installations.
- * Code: 120292 includes a LASER XBASE for accurate positioning.

**Contact:**
- [www.purex.co.uk](http://www.purex.co.uk)
- purex@purex.co.uk
### Connection Kits

<table>
<thead>
<tr>
<th>100mm</th>
<th>3.0m (Dual)</th>
<th>150mm</th>
<th>??mm</th>
<th>??m</th>
<th>??mm</th>
</tr>
</thead>
</table>
| ![Diagram](image1.png) | Code: 120287
1 x 150mm female coupling  
1 x 150mm equal tee  
2 x 150 female couplings  
2 x 150-100mm reducers  
2 x 90-120mm hose clips  
2 x 3m x 102mm flexible hose  
2 x 90-120mm hose clips  
2 x 100mm female couplings |
| ![Diagram](image2.png) | ![Diagram](image3.png) | 3.0m | ![Diagram](image4.png) | ![Diagram](image5.png) | ![Diagram](image6.png) |
| ![Diagram](image7.png) | Code: 100171
1 x 80mm female coupling  
1 x 100-80mm reducer  
1 x 3m x 100mm flexible hose  
1 x 125-100mm reducer  
1 x 125mm female coupling  
2 x 90-120mm hose clips |
| ![Diagram](image8.png) | ![Diagram](image9.png) | ![Diagram](image10.png) | ![Diagram](image11.png) | ![Diagram](image12.png) | ![Diagram](image13.png) |
| ![Diagram](image14.png) | Code: 120300
1 x 3m x 125mm flexible hose  
2 x 125 - 165mm hose clips |
| ![Diagram](image15.png) | ![Diagram](image16.png) | ![Diagram](image17.png) | ![Diagram](image18.png) | ![Diagram](image19.png) | ![Diagram](image20.png) |
| ![Diagram](image21.png) | Code: 120289
1 x 80mm female coupling  
2 x 70-90mm hose clips  
1 x 3m x 82mm flexible hose  
1 x 100-80mm reducer  
1 x 0.3m x 100mm flexible hose  
2 x 90-120mm hose clips  
1 x 150-100mm reducer  
1 x 0.3m x 150mm flexible hose  
2 x 135-160mm hose clips |
| ![Diagram](image22.png) | ![Diagram](image23.png) | ![Diagram](image24.png) | ![Diagram](image25.png) | ![Diagram](image26.png) | ![Diagram](image27.png) |
| ![Diagram](image28.png) | Code: 120294
1 x 100mm female coupling  
1 x 100mm equal tee  
4 x 90-120mm hose clips  
2 x 3m x 100mm flexible hose  
2 x 150-100mm reducers  
2 x 0.25 x 150mm flexible hose  
4 x 135-165mm hose clips |
| ![Diagram](image29.png) | ![Diagram](image30.png) | ![Diagram](image31.png) | ![Diagram](image32.png) | ![Diagram](image33.png) | ![Diagram](image34.png) |
| ![Diagram](image35.png) | Code: 120296
1 x 200mm female coupling  
1 x 1m x 200mm flexible hose  
2 x 200mm hose clips |
| ![Diagram](image36.png) | ![Diagram](image37.png) | ![Diagram](image38.png) | ![Diagram](image39.png) | ![Diagram](image40.png) | ![Diagram](image41.png) |
| ![Diagram](image42.png) | ![Diagram](image43.png) | ![Diagram](image44.png) | ![Diagram](image45.png) | ![Diagram](image46.png) | ![Diagram](image47.png) |

If you do not see a connection kit that fits your machine or pipework, contact Purex or your representative.
**200, 400, 200i, 200iHP, 400i, 400iPVC, 400i Dye Sublimation, 650**

Are supplied with a 5m long detachable cable with a choice of plug.

<table>
<thead>
<tr>
<th>USA/ASIA 120V</th>
<th>USA/ASIA 230V</th>
<th>UK 230V</th>
<th>Europe 230V</th>
</tr>
</thead>
</table>

**Australia**

- Code: 410164
  - Bare wire only

**No Plug**

- Code: 410165
  - Bare wire only

15m long cable for all the above models

**800, 800i, 1500i, 1750i, 2000i, 5000i**

Are factory fitted with a 5m long cable without a plug.

Best practice is to wire these models into a fused spur.

Electrical installations should only be carried out by a qualified person.
These interfacing switches are used to switch the Purex Fume Extractor ON/OFF from up to 5m away. The interfacing switch 105130 can also warn you when you have blocked filters by a red LED that illuminates.

Machine interfacing has two elements - Remote Start & Filter Relay Condition.

Remote Start allows the Purex extractor to be controlled by the process machine, such as a laser or reflow oven.

The Filter Relay Condition warns the operator if the Purex extractor starts alarming.
Interface Cables

A separate interface guide is available for greater detail

---

**9 way D-type**

- **ALARM**
  - PINS 1 & 2 = VOLT FREE ALARM OUTPUT CONTACTS
- **REMOTE START**
  - VOLT FREE CONTACTS REQUIRED FROM THE PROCESS MACHINE TO OPERATE
  - PIN 3 = REMOTE START INPUT SIGNAL
- PIN 4 = +12V DC
- PINS 5,6,7,8 & 9 = NOT USED

**6 way Lumberg**

- **ALARM**
  - PINS 1 & 6 = VOLT FREE ALARM OUTPUT CONTACTS
- **REMOTE START**
  - VOLTAGE SIGNAL REQUIRED FROM THE PROCESS MACHINE TO OPERATE
  - PIN 5 = +9V DC / +24V DC REMOTE START INPUT SIGNAL
  - PIN 2 = 0V DC

**7 way Lumberg**

- **ALARM**
  - PINS 3 & 4 = VOLT FREE ALARM OUTPUT CONTACTS
- **REMOTE START**
  - VOLTAGE SIGNAL REQUIRED FROM THE PROCESS MACHINE TO OPERATE
  - PIN 1 = +9V DC / +24V DC REMOTE START INPUT SIGNAL
  - PIN 2 = 0V DC
- PINS 5,6 & 7 = NOT USED

**No Connector**

- **ALARM**
  - RED & BLUE WIRES = ALARM SIGNAL
  - OUTPUT VIA A SET OF VOLT FREE CONTACTS INSIDE PUREX EXTRACTOR
- **REMOTE START**
  - YELLOW & GREEN WIRES = REMOTE START/STOP
  - VOLTMETER CONTACTS REQUIRED FROM THE PROCESS MACHINE TO CLOSE THESE WIRES TO START (+12V DC)

**Remote ON/OFF Switch**

Now you can easily switch your Purex fume extractor on or off from up to 5m away.

This is particularly useful if your fume extractor is tucked away under a bench or in a cupboard where it cannot easily be accessed.

This feature is also useful if the work you do is not continuous e.g. intermittent hand soldering, as you will be saving energy by turning the extractor off.

**Code:** 105104 (5m cable)

**Code:** 105096 (5m cable)

**Code:** 105098 (5m cable)

**Code:** 105108 (5m cable)

**Code:** 105108L (10m cable)

**Code:** 105114 (5m cable)
<table>
<thead>
<tr>
<th>Interface Cables</th>
<th>A separate interface guide is available for greater detail</th>
</tr>
</thead>
</table>

### 4 way Mini Bulgin

**ALARM**
- Pins 1 & 2 = Volt free alarm output contacts

**REMOTE START**
- Volt free contacts required from the process machine to operate

- Pin 3 = Remote start input signal
- Pin 4 = +12V DC

Code: 105097 (5m cable)

### 6 way Bulgin

**ALARM**
- Pins 1 & 4 = Volt free alarm output contacts

**REMOTE START**
- Voltage signal required from the process machine to operate

- Pin 3 = +9V DC / +24V DC remote start input signal
- Pin 5 = 0V DC
- Pins 2 & 6 = Not used

Code: 105103 (5m cable)

### 9 way D-type

**ALARM**
- Pins 1, 3, 4, 6, 7, 8 & 9 = Not used

**REMOTE START**
- Voltage signal required from the process machine to operate

- Pin 1 = +9V DC / +24V DC remote start input signal
- Pin 9 = 0V DC
- Pins 2, 4, 5, 6, 7 & 8 = Not used

Code: 105106 (5m cable)

### 9 way D-type

**ALARM**
- Pin 3 = +9V DC / +24V DC alarm output

**REMOTE START**
- Voltage signal required from the process machine to operate

- Pin 9 = 0V DC
- Pins 2, 4, 5, 6, 7 & 8 = Not used

Code: 105107 (5m cable)

---

The illuminating alarm switch not only allows you to remotely switch on/off the Purex fume extractor, but also warns the operator that the filters are blocked and the machine is alarming using a red LED that illuminates to signal the warning.

It uses the Purex extractors opto-isolated 12V DC to provide the remote start and the alarm signal.

---

The illuminating alarm switch not only allows you to remotely switch on/off the Purex fume extractor, but also warns the operator that the filters are blocked and the machine is alarming using a red LED that illuminates to signal the warning.
Replacement Parts

<table>
<thead>
<tr>
<th>PART</th>
<th>Blower 230V</th>
<th>Blower 120V</th>
<th>Blower 230V/120V</th>
<th>Blower 220V/400V</th>
<th>PCB Digital Volume</th>
<th>PCB Digital Vacuum</th>
<th>FMU Filter Monitor Unit</th>
<th>Inverter 220V</th>
<th>Inverter 400V</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>300593</td>
<td>300592</td>
<td>400001</td>
<td>400000</td>
<td>400440</td>
<td>650</td>
<td>AC10</td>
<td>650</td>
<td>AC10</td>
</tr>
<tr>
<td>400</td>
<td>300595</td>
<td>300594</td>
<td>400001</td>
<td>400000</td>
<td>400440</td>
<td>650</td>
<td>AC10</td>
<td>650</td>
<td>AC10</td>
</tr>
<tr>
<td>200i</td>
<td>300593</td>
<td>300592</td>
<td>400001</td>
<td>400000</td>
<td>400440</td>
<td>650</td>
<td>AC10</td>
<td>650</td>
<td>AC10</td>
</tr>
<tr>
<td>200i-HP</td>
<td>300596</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>400i</td>
<td>300595</td>
<td>300594</td>
<td>400001</td>
<td>400000</td>
<td>400440</td>
<td>650</td>
<td>AC10</td>
<td>650</td>
<td>AC10</td>
</tr>
<tr>
<td>400i PVC</td>
<td>300595</td>
<td>300594</td>
<td>400001</td>
<td>400000</td>
<td>400440</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>400i Dye</td>
<td>300595</td>
<td>300594</td>
<td>400001</td>
<td>400000</td>
<td>400440</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>650</td>
<td>300202</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>800</td>
<td>300595 x 2</td>
<td>300594 x 2</td>
<td>400001</td>
<td>400000</td>
<td>400440</td>
<td>650</td>
<td>AC10</td>
<td>650</td>
<td>AC10</td>
</tr>
<tr>
<td>800i - 2 tier</td>
<td>300595 x 2</td>
<td>300594 x 2</td>
<td>400001</td>
<td>400000</td>
<td>400440</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>800i - 3 tier</td>
<td>300595 x 2</td>
<td>300594 x 2</td>
<td>400001</td>
<td>400000</td>
<td>400440</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1500i</td>
<td>300201</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1750i</td>
<td>300199</td>
<td>400001</td>
<td>400000</td>
<td>400440</td>
<td>400406</td>
<td>400447</td>
<td>400453</td>
<td>400452</td>
<td></td>
</tr>
<tr>
<td>2000i</td>
<td>300199</td>
<td>400001</td>
<td>400000</td>
<td>400440</td>
<td>400394</td>
<td>400453</td>
<td>400396</td>
<td>400452</td>
<td></td>
</tr>
<tr>
<td>5000i</td>
<td>300625</td>
<td>400001</td>
<td>400000</td>
<td>400440</td>
<td>400393</td>
<td>400455</td>
<td>400439</td>
<td>400454</td>
<td></td>
</tr>
</tbody>
</table>

The AC10 inverter range was first introduced from June 2016.

When ordering please supply the machine serial number

Replacement Fuses

Code 410246 – 230V models – 200i-HP, 400, 400i, 400i PVC, 400i Dye, 230V models requiring 2 fuses - 800, 800i 2 and 3 tier.

120V models – 200, 200i

Code 410276 – 230V models – 200, 200i, 650

Code 410271 – 120V models – 400,400i,400i PVC, 400i Dye 120V models requiring 2 fuses – 800, 800i 2 and 3 tier

Replacement Manuals

Code: 822005 Digital Manual
Code: 822006 Analogue Manual

Download from www.purex.co.uk
Arms for 650

One arm and cowl included with the 650 machine.

Upgrade your 650 to a two arm system by purchasing the second arm kit – Part Number 120197
6.1 Goods manufactured by Purex: Purex warrants that the Goods manufactured by it will be free from defects and/or shortages notified to it after the period of 48 hours after receipt. The Purchaser shall give notice in writing to Purex of any apparent defects and/or shortages. The parties will agree between themselves as to the extent to which such defects and/or shortages are remedied; or

6.2 Goods manufactured by third parties: Purex will use its best endeavours to obtain for the Purchaser goods that are of a quality substantially equivalent to those specified in the Contract. The Purchaser shall not be entitled to set off or deduct from any sum payable under this Contract any amount representing a claim for damages or compensation for any defects or shortfalls in the Goods purchased, and shall accept the Goods manufactured by third parties as if they were manufactured by Purex.

6.3 Purex does not exclude or limit its liability in negligence for death or personal injury, or for fraud or fraudulent default, or to the extent that any exclusion or limitation of its liability is void, prohibited or unenforceable by law.

6.4 Purex warrants that the media on which the Software is recorded is free from defects in material and workmanship for a period of thirty days from the date of despatch.

6.5 Purex warrants that any third party Software will perform in substantial compliance with the specification for a period of 90 days from installation.

6.6 Purex warrants that any third party Software will perform in substantial compliance with the specification for a period of 90 days from installation.

6.7 Purex warrants that any third party Software will perform in substantial compliance with the specification for a period of 90 days from installation.

6.8 Purex warrants that any third party Software will perform in substantial compliance with the specification for a period of 90 days from installation.

6.9 Purex warrants that any third party Software will perform in substantial compliance with the specification for a period of 90 days from installation.

6.10 Purex warrants that any third party Software will perform in substantial compliance with the specification for a period of 90 days from installation.

6.11 Purex warrants that any third party Software will perform in substantial compliance with the specification for a period of 90 days from installation.

6.12 Purex warrants that any third party Software will perform in substantial compliance with the specification for a period of 90 days from installation.
Design your Machine

Machine Part Number

Prefilter Part Number

Main Filter Part Number

Connection Kit Part Number

Power Cable Part Number

Interface Part Number
Design your Machine

Machine Part Number

Prefilter Part Number

Main Filter Part Number

Connection Kit Part Number

Power Cable Part Number

Interface Part Number
The Analogue Range

The Accessories for use with Purex Systems

Coming very soon -

The iFume Orange – For Hand & Machine Soldering

The iFume Red – For Laser Coding & Marking

The iFume Green – For Laser Engraving

The iFume Violet – For Coating and Dispensing