“Protecting People and the Environment with Innovative Technology”
Introduction
Purex offers an extensive range of fume extraction solutions. These range from machines to protect a single person to powerful centralised systems to cater for multiple users or high volume continuous automated processes (e.g. a PCB production line).

Purex has the experience, products and support infrastructure to help ensure that:
• The correct machine is specified first time.
• The process performs at the optimum level.
• Employees are protected from hazardous fumes.
• The company complies with health & safety legislation
• Product quality is maintained
• Process machinery is protected from dust and fumes.
• Contaminated air is filtered, not pumped into the environment.

APPLICATIONS
• Laser Coding and Marking
• Continuous Ink Jet Coding and Marking
• Laser Engraving
• Wide Format Printing
• Dye Sublimation
• Reflow & Wave Soldering
• Manual Soldering
• Laser & Robotic Soldering
• Underfill & Conformal Coating
• Cleanrooms & Laboratories
• Education & Engineering

NEW....
FumeCube Max
• Ideal for dusty applications & lead free solder.
• Can be used with small lasers, in dentistry, in jewellery making and many other applications.
• Uses patented filter technology.

NEW....
Tip Extraction Kits
• Individual kits to fit tip extraction onto popular models of soldering iron.
• Prevents tip cooling.
• Simple to install and comfortable to use.

NEW....
Large Diameter Arms
• Ideal for applications requiring high airflow.
• Can be attached to a Purex extractor to give mobility.
• Fully adjustable.

NEW....
• 113669 filter for Acidic Vapours such as HCN or for engraving ABF plastic.
• 200316 high performance F8/F9 pre-filter pad for FumeCubes.
• 125mm connection kits for conformal coating and other systems.
• Parts and Spares information for easy reference.
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 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.

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 C.O.S.H.H, MAK, AFNOR and HSG258 or equivalent.
• Increase production speeds.
• Reduce complaints by operators due to odours, dust and vapours.

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.

Which Extraction System?

<table>
<thead>
<tr>
<th>Comparison Question</th>
<th>Exhausting into the Environment</th>
<th>Purex LEV System</th>
</tr>
</thead>
<tbody>
<tr>
<td>How long will it take to install the system?</td>
<td>Several days on average.</td>
<td>In many cases just minutes.</td>
</tr>
<tr>
<td>Will there be any disruption in the workplace?</td>
<td>Scaffold, ladders etc. may be required in several places, disrupting work for lengthy periods.</td>
<td>Minor, if any.</td>
</tr>
<tr>
<td>Can the system be moved?</td>
<td>Only with scaffold etc. and disruption to work.</td>
<td>Yes. Simply disconnect and push to new location.</td>
</tr>
<tr>
<td>Are holes in the building required?</td>
<td>Yes. They need to be specially cut and sealed.</td>
<td>No.</td>
</tr>
<tr>
<td>Are external emissions regulations a problem?</td>
<td>Company must investigate and obey local laws.</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Is there any energy lost e.g. heating costs?</td>
<td>Energy (and therefore money) is wasted when heated or conditioned air is pumped outside.</td>
<td>No energy or heat is lost as the air is recycled. So costs are lowered.</td>
</tr>
<tr>
<td>Are there any ducting / installation costs?</td>
<td>Potentially expensive - as ducting needs to be purchased and specialist installation is required.</td>
<td>Minimal if any, depending on process.</td>
</tr>
<tr>
<td>Are there any cleaning costs?</td>
<td>Specialist cleaning required to prevent risk of fire or contamination. Again, scaffold, disruption &amp; cost.</td>
<td>One annual service is recommended to comply with regulations such as COSHH.</td>
</tr>
<tr>
<td>Are there any decontamination costs?</td>
<td>Specialist decontamination may be required.</td>
<td>None.</td>
</tr>
<tr>
<td>Can fumes be drawn back into the workplace?</td>
<td>Yes. Through windows or vents.</td>
<td>Fumes are captured by highly efficient filters</td>
</tr>
<tr>
<td>Could there be disputes with my neighbours?</td>
<td>Yes. Over hazardous fumes and odours.</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>
### Fume Extractor Selector Guide

#### Arm Extraction, Cabinets & Cowls

<table>
<thead>
<tr>
<th>Machine</th>
<th>Max No. Arms 38mm</th>
<th>Max No. Arms 100mm</th>
<th>Max No. Cleancabs</th>
<th>Max No. Cowls</th>
<th>Max No. Soldering Iron Tips</th>
<th>Oven Extract Volume Required m³/hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>FumeCube (inc MAX)</td>
<td>1 or 2</td>
<td>-</td>
<td>-</td>
<td>1 or 2</td>
<td>1*</td>
<td>-</td>
</tr>
<tr>
<td>FumeBuster</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1 or 2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>FumeSafe</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>3 up to 15</td>
<td>-</td>
</tr>
<tr>
<td>2tP</td>
<td>-</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>1 or 2</td>
<td>-</td>
</tr>
<tr>
<td>200</td>
<td>6</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>200i</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>up to 30</td>
<td>-</td>
</tr>
<tr>
<td>200i-HP</td>
<td>6</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>up to 50</td>
<td>-</td>
</tr>
<tr>
<td>400i</td>
<td>9</td>
<td>2</td>
<td>2-4</td>
<td>6</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1500i</td>
<td>12</td>
<td>5</td>
<td>4-8</td>
<td>8</td>
<td>- Below 900</td>
<td>-</td>
</tr>
<tr>
<td>2000i</td>
<td>15</td>
<td>5</td>
<td>6-12</td>
<td>10</td>
<td>- Below 1500</td>
<td>-</td>
</tr>
<tr>
<td>5000i</td>
<td>36</td>
<td>10</td>
<td>12-24</td>
<td>20</td>
<td>- Over 1500</td>
<td>Over 1500</td>
</tr>
</tbody>
</table>

### Tip Extraction

### Reflow

### Wave

**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. * Selective soldering machines only, not suitable for handheld tip extraction.
4. Continuous use may require a machine with larger filtration capacity.
5. In some cases more arms/cowls can be used e.g. for non-coalescing vapours such as solvents or where airflow valves can be opened and closed.

**IMPORTANT:** Choose a vacuum control machine for Arm and Tip extraction and a volume control machine for other applications. We also have solutions for conformal coating, selective soldering, vapour phase and more, please contact us for more information.

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### SOLDERING & ELECTRONICS MANUFACTURING

#### Laser Engraving

<table>
<thead>
<tr>
<th>Size of Laser Engraving Machine</th>
<th>Alpha 200</th>
<th>Alpha 400</th>
<th>Xbase 200</th>
<th>Xbase 400</th>
<th>400i</th>
<th>800i</th>
<th>800i 2-Tier (High Dust)</th>
<th>1500i 3-Tier (Acrylic)</th>
<th>2000i</th>
<th>5000i</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Use</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Small</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>-</td>
<td>-</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Medium</td>
<td>x</td>
<td>[ ]</td>
<td>x</td>
<td>[ ]</td>
<td>-</td>
<td>-</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Large</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Extra large open bed lasers</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
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</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. 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.
4. In applications with extremely high dust emissions, a Cascade inline filter can be considered.

**Approximate laser bed sizes:**
- Small - 16”x12”, Medium - 24”x12”, Large - Anything over this.

- 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.
- x Unit not usually specified for application.
- ▲ Consider if continually lasing acrylic.
**Laser Coding & Marking**

<table>
<thead>
<tr>
<th>CPM (Codes per Minute)</th>
<th>FumeCube MAX*</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>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>&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>
<tr>
<td>Machines for Lasing PVC</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.
- Optional “PVC” machines should be used when lasing onto PVC.
- For low wattage lasers or occasional use.

**Continuous Inkjet Coding & Marking**

<table>
<thead>
<tr>
<th>Small Character Inkjet Printers</th>
<th>200</th>
<th>400</th>
<th>800i</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:**

1. The selection is based on the use of a standard connection kit.
2. 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.
3. A poor enclosure is where less than 4 sides of the process are enclosed.

**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.

**WIDE FORMAT PRINTING**

<table>
<thead>
<tr>
<th>Printer Model</th>
<th>Machine Part No.</th>
<th>Machine Type</th>
<th>Connection Kit</th>
<th>Fittings</th>
<th>Manifold</th>
<th>Main Filter</th>
<th>Pre-Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mimaki JV33-130SP</td>
<td>080703 080702</td>
<td>CaptivairMAX</td>
<td>120309</td>
<td>120311</td>
<td>120313</td>
<td>113800 x 2</td>
<td>-</td>
</tr>
<tr>
<td>Mimaki JV33-160SP</td>
<td>080703 080702</td>
<td>CaptivairMAX</td>
<td>120309</td>
<td>120312</td>
<td>120313</td>
<td>113800 x 2</td>
<td>-</td>
</tr>
<tr>
<td>Roland AdvancedJet AJ-740</td>
<td>0LX4000D 0LX4001D</td>
<td>400</td>
<td>120168</td>
<td>120299</td>
<td>-</td>
<td>113508</td>
<td>202269</td>
</tr>
<tr>
<td>VersaUV LEC-330</td>
<td>0AL4102 0AL4103</td>
<td>Alpha 400</td>
<td>100019</td>
<td>120090</td>
<td>-</td>
<td>113508</td>
<td>202269</td>
</tr>
<tr>
<td>Seiko ColorPainter H-74s</td>
<td>080703 080702</td>
<td>CaptivairMAX</td>
<td>120303</td>
<td>120314</td>
<td>120322</td>
<td>113800 x 2</td>
<td>-</td>
</tr>
<tr>
<td>ColorPainter H-104s</td>
<td>080703 080702</td>
<td>CaptivairMAX</td>
<td>120303</td>
<td>120314</td>
<td>120322</td>
<td>113800 x 2</td>
<td>-</td>
</tr>
<tr>
<td>ColorPainter V-64s</td>
<td>0LX4000D 0LX4001D</td>
<td>400</td>
<td>120297</td>
<td>120323 x 2</td>
<td>-</td>
<td>113508</td>
<td>202269</td>
</tr>
</tbody>
</table>

**Other Applications**

Dye Sublimation • Laser & Robotic Soldering • Underfill & Conformal Coating • Cleanrooms & Laboratories • Education & Engineering Dentistry • Medical • Welding • Adhesives • Solvents • and more... contact us for more information.

www.purex.co.uk
# Index

## Information

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>2-3</td>
</tr>
<tr>
<td>Fume Extraction Selector</td>
<td>4-5</td>
</tr>
<tr>
<td>Solder Fume</td>
<td>4</td>
</tr>
<tr>
<td>Laser Engraving</td>
<td>4</td>
</tr>
<tr>
<td>Coding &amp; Marking</td>
<td>5</td>
</tr>
<tr>
<td>Printing</td>
<td>5</td>
</tr>
<tr>
<td>Index</td>
<td>6</td>
</tr>
</tbody>
</table>

## Accessories

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection Kits</td>
<td>26-28</td>
</tr>
<tr>
<td>Pipe &amp; Duct</td>
<td>29</td>
</tr>
<tr>
<td>Arms &amp; Accessories</td>
<td>30-31</td>
</tr>
<tr>
<td>CleanCabs</td>
<td>31</td>
</tr>
<tr>
<td>Tip Extraction Kits</td>
<td>32-33</td>
</tr>
<tr>
<td>Interfacing Cables</td>
<td>34</td>
</tr>
<tr>
<td>Plug Leads</td>
<td>35</td>
</tr>
<tr>
<td>Replacement Parts</td>
<td>36</td>
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</tbody>
</table>

## Digital Machines

<table>
<thead>
<tr>
<th>Model</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>800i</td>
<td>11</td>
</tr>
<tr>
<td>1500i &amp; 2000i</td>
<td>12</td>
</tr>
<tr>
<td>5000i</td>
<td>13</td>
</tr>
</tbody>
</table>

## Analogue Machines

<table>
<thead>
<tr>
<th>Model</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alpha &amp; Alpha Dust</td>
<td>16</td>
</tr>
<tr>
<td>Xbase</td>
<td>17</td>
</tr>
<tr>
<td>FumeCube - Std &amp; Max</td>
<td>18-19</td>
</tr>
<tr>
<td>FumeSafe</td>
<td>20</td>
</tr>
<tr>
<td>2tiP</td>
<td>21</td>
</tr>
<tr>
<td>FumeBuster</td>
<td>22</td>
</tr>
<tr>
<td>Captivair</td>
<td>23</td>
</tr>
<tr>
<td>Cascade Inline Filters</td>
<td>24</td>
</tr>
</tbody>
</table>

## Appendix

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Options</td>
<td>37</td>
</tr>
<tr>
<td>Pre Filters</td>
<td>38</td>
</tr>
<tr>
<td>Main Filters</td>
<td>39</td>
</tr>
<tr>
<td>Digital Control System</td>
<td>40-41</td>
</tr>
<tr>
<td>Terms &amp; Conditions</td>
<td>42</td>
</tr>
<tr>
<td>Filter Matrix</td>
<td>43</td>
</tr>
</tbody>
</table>
Digital Systems
### Options

**Code:**
- **F5 Pack of 4**: 202260

### 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.
- Sample to install and quiet in operation.
- Easy to relocate.
- Precision made from stainless steel.

### Accessories

Please see the accessories section at the back of this brochure.

- **Includes**:
  - 1 x Main filter
  - 4 x Pre-filter pads
  - 1 x Connection Kit
  - 1 x Power cable

---

### 200 & 400

<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>0800260D</td>
<td>0810260D</td>
<td>080410D</td>
<td>080411D</td>
</tr>
<tr>
<td>Wastage</td>
<td>0.46 kW</td>
<td>0.47 kW</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>
<td>50Hz / 60 Hz</td>
<td>50Hz / 60 Hz</td>
</tr>
<tr>
<td>Cabinet height</td>
<td>710 mm</td>
<td>710 mm</td>
<td>710 mm</td>
<td>710 mm</td>
</tr>
<tr>
<td>Cabinet width</td>
<td>445 mm</td>
<td>445 mm</td>
<td>445 mm</td>
<td>445 mm</td>
</tr>
<tr>
<td>Cabinet depth</td>
<td>528 mm</td>
<td>528 mm</td>
<td>528 mm</td>
<td>528 mm</td>
</tr>
<tr>
<td>Cabinet weight</td>
<td>50 Kg</td>
<td>50 Kg</td>
<td>50 Kg</td>
<td>50 Kg</td>
</tr>
</tbody>
</table>

**Construction**
- Precision engineered brushed stainless steel units. High performance continuous run brushless motors. Mounted on castors for mobility.

---

### Pre-filter Pad

**Options:**
- Code: 202260

---

### Main Filter

**Options:**
- HEPA/Chemical (std): 113505
- HEPA/Chemical (Hydrophobic): 113809
- Chemical: 113508
- Chemical Special: 113662
- Chemical (Acidic Fumes): 113505P
- Pleated Bag: 113531
- Solvent Lock*: 113513

* IMPORTANT! Must be specified for CIJ printing applications.

---

### Machine Interfacing (Optional)

- **Start/Stop Control:** Extraction unit starts/stop when a connected equipment is switched ON/OFF.
- **Filter Blocked Warning:** A signal is sent to a connected piece of equipment to trigger an alert or to shut it down.
- **Remote ON/OFF Switch:** 5M cable & switch

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### Connection Hose Kit

PAGE 26-28

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### Machine Interfacing (Optional)

- **Start/Stop Control:** Extraction unit starts/stops when a connected equipment is switched ON/OFF.
- **Filter Blocked Warning:** A signal is sent to a connected piece of equipment to trigger an alert or to shut it down.
- **Remote ON/OFF Switch:** 5M cable & switch

---

**Legend:**
- 1) Air inlets - 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.

All machines are mounted on four castors for increased mobility.

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Details of the system and accessories are available from Purex. Contact us at purex@purex.co.uk

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**www.purex.co.uk**
Labyrinth Pre-filter

Options: (Pack of 2):
- F6 (std) Code: 202268
- FB/F9 Composite Code: 202271

Main filter

Options:
- HEPA/Chemical (std) Code: 113505
- HEPA+Chemical (200i-HP)* Code: 113811
- HEPA/Twin Chemical Code: 113579
- or HEPA/Twin Chemical* Code: 113609
- HEPA/Chemical Cleanroom* Code: 113512
- Chemical Code: 113508

Connection Hose Kit

PAGE 26-28

Machine Interfacing (Optional)

- Start/Stop Control: Extraction unit starts/stops when a connected piece of equipment is switched ON/OFF.
- Filter Blocked Warning: A signal is sent to a connected piece of equipment to trigger an alert or to shut it down.
- Remote ON/OFF Switch: 5M cable & switch

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.

Accessories

Please see the accessories section at the back of this brochure.

Includes:
- 1 x Main filter
- 2 x Labyrinth Pre-filters
- 1 x Connection Kit
- 1 x Power cable

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purex@purex.co.uk
### 400i PVC

#### What to specify:
1. **Model**
2. **Voltage**
3. **Pre-filter**
4. **Main filter**
5. **Connection Kit**
6. **Interfacing Kit**

#### 400i PVC

<table>
<thead>
<tr>
<th>Voltage</th>
<th>230V ±10%</th>
<th>120V ±10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume Control</td>
<td><strong>OPV4010D</strong></td>
<td><strong>OPV4013D</strong></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>1181 mm</td>
<td>1181 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>70 Kg</td>
<td>70 Kg</td>
</tr>
</tbody>
</table>

#### Labyrinth Pre-filter

- **Options:** Code:
  - F8/F9 Composite (Pack of 2) 202271
  - Chemical Absorbant Pad (Pack of 4) 200261
- **Note:** Both Pre-filter and pads are required. The absorbant pad should be replaced when the Labyrinth filter is replaced or sooner if required.

#### Main filter

- **Options:** Code:
  - HEPA/PVC Chemical (std) 113498
- **Optional Clean Air Cowl - 190040**

#### Connection Hose Kit

Choose 100043C connection kit from PAGE26

#### Machine Interfacing (Optional)

- **Start/Stop Control:** Extraction unit starts/stops when a connected piece of equipment is switched ON/OFF.
- **Filter Blocked Warning:** A signal is sent to a connected piece of equipment to trigger an alert or to shut it down.
- **Remote ON/OFF Switch:** 5M cable & switch

**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

**Includes:**
- 1 x Main filter
- 2 x Labyrinth Pre-filters
- 4 x Absorbant Pads
- 1 x Connection Kit
- 1 x Power cable

**Accessories**

Please see the accessories section at the back of this brochure.

www.purex.co.uk  - 10 -  purex@purex.co.uk
### 4. Labyrinth Pre-filter

<table>
<thead>
<tr>
<th>Options:</th>
<th>Code:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2-Tier)</td>
<td>F6 (std) 202280</td>
</tr>
<tr>
<td>(3-Tier)</td>
<td>F8/9 Composite 202272</td>
</tr>
</tbody>
</table>

*Use F8/F9 Labyrinth bags for PVC

### 5. Main filter

<table>
<thead>
<tr>
<th>Options:</th>
<th>Code:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2-Tier)</td>
<td>HEPA/Chemical (std) or. 113652</td>
</tr>
<tr>
<td>(3-Tier)</td>
<td>Chemical (std) or. 113651</td>
</tr>
</tbody>
</table>

*Must be specified for CIJ printing applications.

### 6. Connection Hose Kit (Optional)

For PVC applications please contact us.

### 7. Machine Interfacing (Optional)

- **Start/Stop Control**: Extraction unit starts/stops when a connected piece of equipment is switched ON/OFF.
- **Filter Blocked Warning**: A signal is sent to a connected piece of equipment to trigger an alert or to shut it down.
- **Remote ON/OFF Switch**: 5M cable & switch

**See PAGE 34**

### 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

**Includes**:
- 1 x Main filter (2-tier)
- 2 x Main filters (3-tier)
- 2 x Labyrinth Pre-filters
- 1 x Power cable (no plug)

**Accessories**

Please see the accessories section at the back of this brochure.
### Options:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F6 (std)</td>
<td>Chemical Absorbant</td>
</tr>
<tr>
<td>F8/F9 Composite*</td>
<td>Pad (Pack of 4)</td>
</tr>
</tbody>
</table>

*Use F8/F9 Labyrinth bags for PVC

### PVC Options:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200281</td>
<td>Chemical Pad (Pack of 4)</td>
</tr>
</tbody>
</table>

### Machine Interfacing (Optional)

- **Start/Stop Control**: Extraction unit starts/stop when a connected piece of equipment is switched ON/OFF.
- **Filter Blocked Warning**: A signal is sent to a connected piece of equipment to trigger an alert or to shut it down.
- **Remote ON/OFF Switch**: 5M cable & switch

### Construction

Precision engineered brushed stainless steel units. High performance continuous run brushless motors. Mounted on castors for mobility.

---

**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.

---

**Includes:**

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

**Accessories**

Please see the accessories section at the back of this brochure.
### Pre-filter

1 - Labyrinth (Side Inlet)

Options: Code: PVC Options: Code:
- FB/F9 Composite* 111006 Chemical Absorbant 200312
- Tagged (std) 111072 Pad (Pack of 4)
- F8 *Use FB/F9 Labyrinth bags for PVC

2 - Pleated Bag (Rear Inlet)

Options: Code:
- Pre-filter Pad 200310
- Pleated Bag Filter 111144

### Main filter

Options: Code: Options: Code:
- HEPA (std) 110633 Heavy Duty Chemical 110624
- Chemical (std) 110627 For applications where high levels of solvent are used or when laser acryl.
- or Pleated Bag 110645

(1) Please note the 5000i requires 2 main filters. Use 111006 in cleanroom applications.

### 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 or standard 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.

### What to specify...

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

### 5000i

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>400V 3ph + N</td>
</tr>
<tr>
<td>Volume Control</td>
<td>0LX5550D</td>
</tr>
<tr>
<td>Vacuum Control</td>
<td>044350D</td>
</tr>
<tr>
<td>Power</td>
<td>7.5kW</td>
</tr>
<tr>
<td>Frequency</td>
<td>50Hz / 60Hz</td>
</tr>
<tr>
<td>Height</td>
<td>1804 mm</td>
</tr>
<tr>
<td>Width</td>
<td>1250 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>892 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>400 Kg</td>
</tr>
</tbody>
</table>


### Machine Interfacing (Optional)

- **Start/Stop Control:** Extraction unit starts/stop when a connected piece of equipment is switched ON/OFF.
- **Filter Blocked Warning:** A signal is sent to a connected piece of equipment to trigger an alert or to shut it down.
- **Remote ON/OFF Switch:** 5M cable & switch

See PAGE 34

### Accessories

Please see the accessories section at the back of this brochure.
Analogue Systems
**Alpha & Alpha Dust**

### What to specify...

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>230V ±10%</td>
<td>120V ±10%</td>
<td>230V ±10%</td>
<td>120V ±10%</td>
<td></td>
</tr>
<tr>
<td>Alpha Vacuum Control</td>
<td>0AL2102</td>
<td>0AL2103</td>
<td>0AL4102</td>
<td>0AL4103</td>
<td></td>
</tr>
<tr>
<td>Alpha Dust Vacuum Control</td>
<td>-</td>
<td>-</td>
<td>0AL4136</td>
<td>0AL4137</td>
<td></td>
</tr>
<tr>
<td>Wattage</td>
<td>0.14 kW</td>
<td>0.107 kW</td>
<td>0.24 kW</td>
<td>0.235 kW</td>
<td></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>
<td></td>
</tr>
<tr>
<td>Cabinet height (inc castors)</td>
<td>885 mm</td>
<td>885 mm</td>
<td>885 mm</td>
<td>885 mm</td>
<td></td>
</tr>
<tr>
<td>Cabinet width (not inc hose)</td>
<td>465 mm</td>
<td>465 mm</td>
<td>465 mm</td>
<td>465 mm</td>
<td></td>
</tr>
<tr>
<td>Cabinet depth (not inc hose)</td>
<td>430 mm</td>
<td>430 mm</td>
<td>430 mm</td>
<td>430 mm</td>
<td></td>
</tr>
<tr>
<td>Cabinet weight</td>
<td>55 Kg</td>
<td>55 Kg</td>
<td>55 Kg</td>
<td>55 Kg</td>
<td></td>
</tr>
</tbody>
</table>


### Labyrinth Pre-filter

**Standard Alpha**
- Options: (Pack of 2) Code:
  - F6 (std) 202269
  - FB/F9 Composite 202274

**Dust Version**
- Options: (Pack of 2) Code:
  - F6 (std) 202268
  - FB/F9 Composite 202271

### Main Filter

**Options:**
- HEPA/Chemical (std) 113505
- HEPA/Chemical (Hydrophobic) 113505H
- HEPA/Twin Chemical 113579
- HEPA/Twin Chemical (Acidic Fumes) 113505P
- HEPA/Chemical Cleanroom 113512
- HEPA/Chemical Special 113662
- Pleated Bag 113531

**Options:**
- Chemical 113508
- Chemical Special 113662
- Chemical (Acidic Fumes) 113505P
- Pleated Bag 113531

NOTE: No main filters are required for the dust version.

### Connection Hose Kit

PAGE 26–28

### Machine Interfacing (Optional)

- **Start/Stop Control:** Extraction unit starts/stops when a connected piece of equipment is switched ON/OFF.
- **Filter Blocked Warning:** A signal is sent to a connected piece of equipment to trigger an alert or to shut it down.
- **Remote ON/OFF Switch:** 5M cable & switch

See PAGE 34

### Controls

**Visual and Audible Filter Blocked Warning**
Alerts the operator when a filter starts to block so that a replacement filter can be acquired and downtime can be avoided.

**LED Filter Status**
- Green = Filter OK
- Yellow = Filter nearly full
- Red = Filter full, replacement required

Interface with other equipment e.g. a laser optional.

### System Features...
- Automatic electronic flow control - maintains a constant extraction rate even as the filter blocks
- Adjustable airflow
- Variety of filters for different applications
- Low capital and running costs
- Quick change, patented Labyrinth pre-filters deliver longer filter life
- Submicronic filtration removes 99.997% of particles down to 0.3 microns
- Activated carbon filtration removes harmful gases
- Simple to install and quiet in operation
- Easy to relocate
- Precision made from stainless steel

### Includes:
- 1 x Main filter
- 2 x Labyrinth pre-filters
- 1 x Connection Kit
- 1 x Power cable

Note: Alpha Dust does not contain a main filter.

### Accessories
Please see the accessories section at the back of this brochure.

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### Construction

Precision engineered brushed stainless steel units. High performance continuous run brushless motors. Mounted on castors for mobility.

### Labyrinth Pre-filter

<table>
<thead>
<tr>
<th>Options: (Pack of 2)</th>
<th>Code:</th>
</tr>
</thead>
<tbody>
<tr>
<td>FB/F9 Composite</td>
<td>F8/F9 Composite 202275</td>
</tr>
</tbody>
</table>

### Main Filter

<table>
<thead>
<tr>
<th>Options:</th>
<th>Code:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEPA/Chemical (std)</td>
<td>110545</td>
</tr>
<tr>
<td>HEPA CSA</td>
<td>113585</td>
</tr>
</tbody>
</table>

### Connection Hose Kit

**Options:**

1. Main filter
2. Labyrinth pre-filter
3. Connection Kit
4. Interfacing Kit

### Machine Interfacing (Optional)

- **Start/Stop Control:** Extraction unit starts/stops when a connected piece of equipment is switched ON/OFF.
- **Filter Blocked Warning:** A signal is sent to a connected piece of equipment to trigger an alert or to shut it down.
- **Remote ON/OFF Switch:** 5M cable & switch

**See PAGE 34**

### Controls

**Visual and Audible Filter Blocked Warning**
Alerts the operator when a filter starts to block so that a replacement filter can be acquired and downtime can be avoided.

**LED Filter Status**
- Green = Filter OK
- Yellow = Filter nearly full
- Red = Filter full, replacement required

Interface with other equipment e.g. a laser optional.

### System Features...

- Automatic electronic flow control - maintains a constant extraction rate even as the filter blocks
- Adjustable airflow
- Vari/Colour filter blocked warning system
- 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
- Precision made from stainless steel

### Includes:

- 1 x Main filter
- 2 x Labyrinth pre-filters
- 1 x Connection Kit
- 1 x Power cable

### Accessories

Please see the accessories section at the back of this brochure.

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- **purex@purex.co.uk**
**FumeCube**

**Single Arm System**
- 1 Filter + pre-filter pad
- 1 51mm x 2m flexible hose [black]
- 2 Connecting cuffs [black]
- 1 Clamped bracket
- 1 38mm stainless steel flexible arm and valve
- 1 38mm pen nib nozzle & 1 conical cowl

**Dual Arm System**
- 1 Filter + pre-filter pad
- 2 51mm x 2m flexible hose [black]
- 4 Connecting cuffs [black]
- 2 Clamped bracket
- 2 38mm stainless steel flexible arm and valve
- 2 38mm pen nib nozzle and 2 conical cowl

### Options

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F5 Pack of 4 (std)</td>
<td>200225</td>
</tr>
<tr>
<td>F6 Pack of 4</td>
<td>200226</td>
</tr>
<tr>
<td>FB/F9 Pack of 4</td>
<td>200316</td>
</tr>
</tbody>
</table>

### Main filter

- HEPA/Chemical (std)
  - 110536
- Chemical
  - 110537
- Chemical Special
  - 110544
- HEPA/Chemical Cleanroom
  - 110538

### Machine Interfacing (Optional)

- **Start/Stop Control**: Extraction unit starts/stops when a connected piece of equipment is switched ON/OFF.
- **Filter Blocked Warning**: A signal is sent to a connected piece of equipment to trigger an alert or to shut it down.
- **Remote ON/OFF Switch**: 5M cable & switch

**Construction**

Precision engineered brushed stainless steel units. High performance continuous run brushless motors. Quick and simple to relocate.

**Machine Interfacing (Optional)**

- **Your Machine**
- **Extractor**
- Allows the Purex system to interface with a piece of equipment connected to it.

**Controls**

**Visual and Audible Filter Blocked Warning**
Alerts the operator when a filter starts to block so that a replacement filter can be acquired and downtime can be avoided.

**LED Filter Status**
- Green = Filter OK
- Yellow = Filter nearly full
- Red = Filter full, replacement required

Interface with other equipment e.g. a laser optional.

**System Features**

- Automatic electronic flow control - maintains a constant extraction rate even as the filter blocks
- Adjustable airflow
- VariColour filter blocked warning system
- 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

**Includes**

- 1 x Main filter
- 4 x Pre-filter pad
- 1 or 2 Arm Kit
- 1 x Power cable

**Accessories**

Please see the accessories section at the back of this brochure.
**FumeCube MAX**

What to specify...

1. **Voltage**
   - 230V ±10%
   - 120V ±10%

2. **Pre-filter**
   - Labyrinth Pre-Filter (All models)
     - Description: Code: F8/F9 Composite 111124

3. **Main filter**
   - Main Filters
     - Description: Code: HEPA/Chemical (std) 110507
       - Chemical 110504

4. **Kits**
   - Hose and Arm Kits
     - Option 1: 51mm hose kit (3m) Code: 100032
     - Option 2: Single 38mm arm kit (Screw Fixing)
       - 1 x Arm Kit (Screw Fix) Code: 100294
       - or 1 x Arm Kit (Clamp Fix) Code: 100295
       - 1 x 80mm to 51mm reducer Code: 550287
     - Option 3: Dual 38mm arm kit
       - 2 x Arm Kit (Screw Fix) Code: 100294
       - or 2 x Arm Kit (Clamp Fix) Code: 100295
       - 1 x Dual Manifold Assembly Code: 120093C

5. **Interfacing Kit**
   - Machine Interfacing (Optional)
     - Start/Stop Control: Extraction unit starts/stops when a connected piece of equipment is switched ON/OFF.
     - Filter Blocked Warning: A signal is sent to a connected piece of equipment to trigger an alert or to shut it down.
     - Remote ON/OFF Switch: 5M cable & switch - See PAGE 34

**Controls**

**Visual and Audible Filter Blocked Warning**
Alerts the operator when a filter starts to block so that a replacement filter can be acquired and downtime can be avoided.

**LED Filter Status**
- Green = Filter OK
- Yellow = Filter nearly full
- Red = Filter full, replacement required

Interface with other equipment e.g. a laser optional.

**System Features...**
- Automatic electronic flow control - maintains a constant extraction rate even as the filter blocks
- Adjustable airflow
- VarioColour filter blocked warning system
- 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
- Precision made from stainless steel

**Includes:**
- 1 x Main filter
- 1 x Labyrinth Pre-Filter
- 1 x Power cable

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1. **Model**

- **Voltage**: 230V ±10% or 120V ±10%
- **Vacuum Control**: 072200
- **Wattage**: 0.45 kW
- **Frequency**: 50Hz / 60 Hz
- **Cabinet height**: 493 mm
- **Cabinet width (not inc hose)**: 471 mm
- **Cabinet depth (not inc hose)**: 430 mm
- **Cabinet weight (inc filters)**: 26 Kg
- **Construction**: Precision engineered brushed stainless steel units. High performance continuous run brushless motors. Quick and simple to relocate.

2. **Pre-filter**

- **Options**: Code:
  - F8/F9 Pack of 4: 200098
  - Single: 200053

3. **Main Filter**

- **Options**: Code:
  - HEPA/Chemical (std): 110531
  - Chemical: 110532
  - Chemical Special: 110542
  - HEPA/Chemical Cleanroom: 110533
  - Solvent Lock: 110541

4. **Replacement Main Filter**

- **Pipe kit (100165) includes 32mm Ø**: Code:
  - 6 x 1.5M x 32mm pipe (3 pre drilled): 500050
  - 4 x 90° bends: 500080
  - 2 x Swept T’s: 500100
  - 4 x Straight connectors: 500060
  - 2 x End caps: 500120

- Also includes machine to pipe connector hose Code - 100170

Supplied with 3 universal iron kits - 300001

---

**Controls**

- **Visual and Audible Filter Blocked Warning**: Alerts the operator when a filter starts to block so that a replacement filter can be acquired and downtime can be avoided.

**Controls & System Features**

- Speed Control
- Dual voltage brushless blower
- 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
- Filter blocked alarm and LED

**Accessories**

Please see the accessories section at the back of this brochure.

---

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1. Model

2 Tip Fume Extraction Unit

<table>
<thead>
<tr>
<th><strong>Voltage</strong></th>
<th>230V ±10%</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Vacuum Control</strong></td>
<td>072120</td>
</tr>
<tr>
<td><strong>Wattage</strong></td>
<td>0.135 kW</td>
</tr>
<tr>
<td><strong>Frequency</strong></td>
<td>50Hz / 60 Hz</td>
</tr>
<tr>
<td><strong>Cabinet height</strong></td>
<td>275 mm</td>
</tr>
<tr>
<td><strong>Cabinet width (not inc hose)</strong></td>
<td>286 mm</td>
</tr>
<tr>
<td><strong>Cabinet depth (not inc hose)</strong></td>
<td>291 mm</td>
</tr>
<tr>
<td><strong>Cabinet weight (inc filters)</strong></td>
<td>9.8 Kg</td>
</tr>
<tr>
<td><strong>Construction</strong></td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>

Construction: Precision engineered brushed stainless steel units. High performance continuous run brushless motors. Quick and simple to relocate.

3. Pre-filter

Replacement Pre-filter Pad

<table>
<thead>
<tr>
<th>Options</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>F5 Pack of 4 (std)</td>
<td>200225</td>
</tr>
<tr>
<td>F6 Pack of 4</td>
<td>200226</td>
</tr>
</tbody>
</table>

4. Main filter

Replacement Main filter

<table>
<thead>
<tr>
<th>Options</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEPA/Chemical (std)</td>
<td>110507</td>
</tr>
</tbody>
</table>

41mm Hose x 1.5m

Supplied with connection kit

Options: Iron kits

(Pg 32-33)

Controls & System Features...

- Run LED
- Speed Control
- 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

Includes:

- 1 x Main filter
- 1 x Pre-filter pad
- 1 x Power cable
- 1 x Connection kit
- 1 x End cap

Accessories

Please see the accessories section at the back of this brochure.
## Machine Only

<table>
<thead>
<tr>
<th>Voltage</th>
<th>230V ±10%</th>
<th>115V ±10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vacuum Control</td>
<td>070362</td>
<td>070363</td>
</tr>
<tr>
<td>Wattage</td>
<td>0.3 kW</td>
<td>0.3 kW</td>
</tr>
<tr>
<td>Frequency</td>
<td>50Hz</td>
<td>60 Hz</td>
</tr>
<tr>
<td>Cabinet height (inc castors)</td>
<td>350 mm</td>
<td>350 mm</td>
</tr>
<tr>
<td>Cabinet width (not inc hose)</td>
<td>425 mm</td>
<td>425 mm</td>
</tr>
<tr>
<td>Cabinet depth (not inc hose)</td>
<td>415 mm</td>
<td>415 mm</td>
</tr>
<tr>
<td>Cabinet weight (inc filters)</td>
<td>25 Kg</td>
<td>25 Kg</td>
</tr>
</tbody>
</table>

**Construction**

Precision engineered brushed stainless steel units. High performance continuous run brushless motors. Quick and simple to relocate.

### Pre-filter Pad

<table>
<thead>
<tr>
<th>Options:</th>
<th>Code:</th>
</tr>
</thead>
<tbody>
<tr>
<td>F5 Pack of 4 (std)</td>
<td>200314</td>
</tr>
<tr>
<td>FB/F9 Pack of 4</td>
<td>200098</td>
</tr>
</tbody>
</table>

### Main Filter

<table>
<thead>
<tr>
<th>Options:</th>
<th>Code:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEPA/Chemical (std)</td>
<td>110531</td>
</tr>
<tr>
<td>Chemical</td>
<td>110532</td>
</tr>
<tr>
<td>or Chemical Special</td>
<td>110542</td>
</tr>
<tr>
<td>HEPA/Chemical Cleanroom*</td>
<td>110533</td>
</tr>
<tr>
<td>Solvent Lock * Use in combination with 200098</td>
<td>110541</td>
</tr>
</tbody>
</table>

### Capture Kit (Optional)

1. 1 x 1.2m x 75mm Ø flexible arm with 2 x 75mm couplings (120707)
   + 1 x Conical cowl (840114)
   Code: 100181

2. 1 x 1.5m x 75mm Ø flexible hose with 2 x 75mm couplings (100185)
   + 1 x Anti-static plenum cowl (black) (120702)
   Code: 100182

3. 1 x 1.5m x 75mm Ø flexible hose with 2 x 75mm couplings (100185)
   + 1 x Cleancab extraction cabinet (840155)
   Code: 100183

### Controls

**Visual and Audible Filter Blocked Warning**

Alerts the operator when a filter is blocked so that a replacement filter can be acquired.

**LED Filter Status**

- **Green** = Filter OK
- **Red** = Filter full, replacement required

### System Features...

- Audible and visual filter blocked alert
- Low capital and running costs
- Quick change 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
- Precision made from stainless steel

### Accessories

Please see the accessories section at the back of this brochure.

---

*FumeBuster*

What to specify...

1. **Voltage**
2. **Pre-filter**
3. **Main filter**
4. **Capture Kit (For one or two stations)**

---

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---

*In cleanroom filters, positions 3&4 are reversed.*
**Captivair Max**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>230V ±10%</td>
</tr>
<tr>
<td>Vacuum Control</td>
<td>080703</td>
</tr>
<tr>
<td>Wattage</td>
<td>0.155 kW</td>
</tr>
<tr>
<td>Frequency</td>
<td>50 Hz</td>
</tr>
<tr>
<td>Cabinet height</td>
<td>691 mm</td>
</tr>
<tr>
<td>Cabinet width</td>
<td>851 mm</td>
</tr>
<tr>
<td>Cabinet depth</td>
<td>591 mm</td>
</tr>
<tr>
<td>Cabinet weight</td>
<td>100 Kg</td>
</tr>
</tbody>
</table>

---

**Main Filter (Included)**

- Description: Code: Chemical (refillable) 113800
- Refill for 113800 113805

(!) Please note the Captivair MAX requires 2 main filters.

---

**Printer Model**

<table>
<thead>
<tr>
<th>Printer Model</th>
<th>Machine Part No. 230V</th>
<th>Machine Part No. 120V</th>
<th>Machine Type</th>
<th>Connection Kit</th>
<th>Fittings</th>
<th>Manifold</th>
<th>Main Filter</th>
<th>Pre-Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mimaki</td>
<td>080703</td>
<td>080702</td>
<td>CaptivairMAX</td>
<td>120309</td>
<td>120311</td>
<td>120313</td>
<td>113800 x 2</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>080703</td>
<td>080702</td>
<td>CaptivairMAX</td>
<td>120309</td>
<td>120312</td>
<td>120313</td>
<td>113800 x 2</td>
<td>-</td>
</tr>
<tr>
<td>Roland</td>
<td>0LX4000D</td>
<td>0LX4001D</td>
<td>400</td>
<td>120188</td>
<td>120299</td>
<td>-</td>
<td>113508</td>
<td>202260</td>
</tr>
<tr>
<td></td>
<td>0AL4102</td>
<td>0AL4103</td>
<td>Alpha 400</td>
<td>100019</td>
<td>120090</td>
<td>-</td>
<td>113508</td>
<td>202269</td>
</tr>
<tr>
<td></td>
<td>0AL4102</td>
<td>0AL4103</td>
<td>Alpha 400</td>
<td>100019</td>
<td>120099</td>
<td>-</td>
<td>113508</td>
<td>202269</td>
</tr>
<tr>
<td></td>
<td>0AL4102</td>
<td>0AL4103</td>
<td>Alpha 400</td>
<td>100019</td>
<td>120099</td>
<td>-</td>
<td>113508</td>
<td>202269</td>
</tr>
<tr>
<td></td>
<td>0LX4000D</td>
<td>0LX4001D</td>
<td>400</td>
<td>120297</td>
<td>120323 x 2</td>
<td>-</td>
<td>113508</td>
<td>202260</td>
</tr>
<tr>
<td>Seiko</td>
<td>080703</td>
<td>080702</td>
<td>CaptivairMAX</td>
<td>120303</td>
<td>120314</td>
<td>120322</td>
<td>113800 x 2</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>080703</td>
<td>080702</td>
<td>CaptivairMAX</td>
<td>120303</td>
<td>120314</td>
<td>120322</td>
<td>113800 x 2</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>0LX4000D</td>
<td>0LX4001D</td>
<td>400</td>
<td>120297</td>
<td>120323 x 2</td>
<td>-</td>
<td>113508</td>
<td>202260</td>
</tr>
</tbody>
</table>

Contact Purex or your local distributor for further information.

---

**Captivair units are available for other printer models, please contact Purex or your local distributor for further information.**

**Features...**
- Captures fumes at source
- Reduces fumes escaping into the workplace
- Promotes a more pleasant working environment
- Can help reduce headaches and nausea caused by fumes
- Helps prevent fumes escaping into neighbouring buildings and rooms
- Bespoke kits for each printer model
- Can aid compliance with health and safety regulations

**System Features...**
- Visual filter blocked alert
- Low capital and running costs
- Activated carbon filtration of ink vapour
- Simple to install and quiet in operation
- Easy to relocate

**Includes:**
- 2 x Main filters
- 1 x Power cable

---

www.purex.co.uk
## Inline Filter Units

### What to specify...

#### Pre-filter

<table>
<thead>
<tr>
<th>Cascade</th>
<th>Spark Arrestor</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Part number</strong></td>
<td><strong>Code</strong></td>
</tr>
<tr>
<td>890180</td>
<td>890241</td>
</tr>
<tr>
<td><strong>Cabinet height (incl castors)</strong></td>
<td>1063 mm</td>
</tr>
<tr>
<td><strong>Cabinet width (not incl hose)</strong></td>
<td>430 mm</td>
</tr>
<tr>
<td><strong>Cabinet depth (not incl hose)</strong></td>
<td>430 mm</td>
</tr>
<tr>
<td><strong>Cabinet weight (incl filters)</strong></td>
<td>30 Kg</td>
</tr>
</tbody>
</table>

**Note:** Vacuum or Volume

The Cascade Box is fitted with a silicone vacuum sensing tube. The tube should be connected to the inlet on all vacuum machines e.g. Xbase, Alpha and Digital Tip and Arm Applications. It should not be connected on volume machines.

### Accessory

- **Accessories**
  - Please see the accessories section at the back of this brochure.

### Connection hose kit

**Connection Hose Kit**

1 x 1M of 80mm hose
1 x 100-80mm reducer
1 x 80mm coupling
1 x 100mm coupling
2 x 70-90mm hose clips

**Legend:**

1) Air inlet - 80mm safe seal
2) Pre-filter
3) Support Straps
4) Hooks for Support Straps
5) Exhaust
6) Drop Out Box

Cabinet mounted on four castors for increased mobility.

### Inline Filter

The Cascade Box acts as an additional prefilter to capture particles in applications where large amounts are produced. The filter can be emptied when full and the operator can periodically shake the filter to increase filter life.

- Removes large particles from the process air
- Extends the life of the filters in the fume extractor
- Can be used on problematic applications where large quantities of dust are produced
- Filter can be seeded to help deal with sticky particles
- Filter can be emptied and shaken to prolong life*

### Spark Arrestor

This inline unit is used to prevent sparks entering the extraction machine. It works by extinguishing sparks against metal surfaces and collecting hot materials in a drop out box.

- The use of this unit means the operator does not have to buy a new, larger fume extraction machine
- Low capital and running costs
- Simple to install and easy to relocate
- Precision made from stainless steel
- Spark filter only

**Includes:**

- 1 x Cascade filter
- 1 x Labyrinth filter
- 1 x Drop out box
- 1 x Connection kit

**Accessories**

Please see the accessories section at the back of this brochure.

---

*Note: Spark Arrestor should not be connected on volume machines.*
Accessories
**Connection Kits**

**PUREX MACHINE INLET DIAMETERS**
- 40mm - 2tiP
- 57mm - FumeCube
- 75mm - FumeBuster
- 80mm - 200, 400, 200i, 400i, 200i-HP, 400iPVC, Alpha, Alpha Dust, Xbase, FumeCube Max, FumeSafe
- 100mm - 800i
- 150mm - 1500i, 2000i
- 200mm - 5000i

<table>
<thead>
<tr>
<th>Diameter of pipe/port</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>Connect to 32mm diameter pipe/port</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Code: 100170</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 x 80-34mm reducer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 x 1.5m x 41mm flexible hose</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 x Half straight connector</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 x 35-50mm hose clips</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| 50mm                  | 2.0m           | 80mm                        |
| Connect to 50mm diameter pipe/port |
| Code: 100180          |                |                             |
| 1 x 80-53.5mm reducer |                |
| 1 x 2m x 57mm flexible hose |        |
| 2 x 45-60mm hose clips |

| 50mm                  | 3.0m (Anti Static) | 80mm                        |
| Connect to 50mm diameter pipe/port or Purex valve |
| Code: 100026          |                |                             |
| 1 x earth strap 6mm   |                |                             |
| 1 x 80mm to 51mm reducer |
| 2 x 3m x 50mm antistatic hose |
| 2 x 51mm antistatic cuffs |

| 50mm                  | 2.0m           | 57mm                        |
| Connect to 50mm diameter pipe/port or Purex valve |
| Code: 120117          |                |                             |
| 1 x 2m x 51mm flexible hose |
| 2 x 51mm cuffs |

| 50mm                  | 3.0m           | 80mm                        |
| Connect to 50mm diameter pipe/port or Purex valve |
| Code: 100032          |                |                             |
| 1 x 80-51mm reducer   |                |
| 1 x 3m x 51mm flexible hose |
| 2 x 51mm cuffs |

| 50mm                  | 6.0m           | 80mm                        |
| Connect to 50mm diameter pipe/port or Purex valve |
| Code: 100043          |                |                             |
| Std 100043             |                |                             |
| PVC* 100043C           |                |                             |
| 1 x 80-51mm reducer   |                |
| 1 x 6m x 51mm flexible hose |
| 2 x 51mm cuffs |

* coated reducer suitable for PVC applications.

| 50mm                  | 6.0m (Dual Manifold) | 80mm                        |
| Connect to 50mm diameter pipe/port or Purex valve |
| Code: 100039*         | (Use with 100043 or 100043C) |
| 1 x dual manifold assembly(120093C) |
| 1 x 6m x 51mm flexible hose |
| 2 x 51mm cuffs |

* also suitable for PVC applications.

These are bespoke kits. An example is shown on the left. Contact us for more information.
**Connection Kits**

**50mm 6.0m (Extension) 50mm**

**Code: 100037***
1 x 50mm coupling  
1 x 6m x 51mm flexible hose  
2 x 51mm cuffs  
* also suitable for PVC applications.

**50mm 3.0m 80mm**

**Code: 120285**
1 x 80-53mm reducer  
1 x 3m x 57mm flexible hose  
2 x 45-60mm hose clips

**50mm 2.0m 80mm**

**Code: 100019**
1 x 80-51mm reducer  
1 x 2m x 51mm flexible hose  
2 x 51mm cuffs

---

**50mm 3.0m 80mm**

**Code: 120299**
1 x 80mm female coupling  
1 x 3m x 82mm flexible hose  
2 x 70-90mm hose clips

**50mm 1.5m 75mm**

**Code: 100185**
2 x 85-75mm reducer  
1 x 1.5m x 75mm flexible hose

---

**80mm 3.0m 80mm**

**Code: 120293**
1 x 80mm female coupling  
2 x 70-90mm hose clips  
1 x 1.3m x 82mm flexible hose

---

**80mm 1.3m 80mm**

**Code: 120297**
3 x 80mm female coupling  
1 x 80mm equal tee  
2 x 70-90mm hose clips  
1 x 100-80mm reducer  
1 x 0.3m x 100mm flexible hose  
2 x 90-120mm hose clips  
* suitable for PVC

---

**100mm 3.0m 100mm**

**Code: 100107***
1 x 3m x 100mm flexible hose  
2 x 90-120mm hose clips  
* suitable for PVC

**100mm 1.5m 100mm**

**Code: 120270**
1 x 100mm female coupling  
1 x 1.5m x 100mm flexible hose  
2 x 90-120mm hose clips

---

**100mm 2.0m (Dual) 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 2.0m (Dual) 80mm**

**Code: 120277**
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

---

**50mm 6.0m (Extension) 50mm**

**Code: 100037***
1 x 50mm coupling  
1 x 6m x 51mm flexible hose  
2 x 51mm cuffs  
* also suitable for PVC applications.

---

**50mm 3.0m 80mm**

**Code: 120285**
1 x 80-53mm reducer  
1 x 3m x 57mm flexible hose  
2 x 45-60mm hose clips

---

**50mm 2.0m 80mm**

**Code: 100019**
1 x 80-51mm reducer  
1 x 2m x 51mm flexible hose  
2 x 51mm cuffs

---

**50mm 3.0m 80mm**

**Code: 120299**
1 x 80mm female coupling  
1 x 3m x 82mm flexible hose  
2 x 70-90mm hose clips

---

**50mm 1.5m 75mm**

**Code: 100185**
2 x 85-75mm reducer  
1 x 1.5m x 75mm flexible hose

---

**80mm 3.0m 80mm**

**Code: 120293**
1 x 80mm female coupling  
2 x 70-90mm hose clips  
1 x 1.3m x 82mm flexible hose

---

**80mm 1.3m 80mm**

**Code: 120297**
3 x 80mm female coupling  
1 x 80mm equal tee  
2 x 70-90mm hose clips  
1 x 100-80mm reducer  
1 x 0.3m x 100mm flexible hose  
2 x 90-120mm hose clips  
* suitable for PVC

---

**100mm 3.0m 100mm**

**Code: 100107***
1 x 3m x 100mm flexible hose  
2 x 90-120mm hose clips  
* suitable for PVC

---

**100mm 1.5m 100mm**

**Code: 120270**
1 x 100mm female coupling  
1 x 1.5m x 100mm flexible hose  
2 x 90-120mm hose clips

---

**100mm 2.0m (Dual) 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 2.0m (Dual) 80mm**

**Code: 120277**
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

---

www.purex.co.uk
<table>
<thead>
<tr>
<th>Diameter of pipe/port</th>
<th>Length of hose</th>
<th>Purex machine inlet diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>100mm</td>
<td>3.0m (Dual)</td>
<td>100mm</td>
</tr>
<tr>
<td>100mm</td>
<td>3.0m</td>
<td>100mm</td>
</tr>
<tr>
<td>125mm</td>
<td>3.0m</td>
<td>80mm</td>
</tr>
<tr>
<td>125mm</td>
<td>3.0m</td>
<td>100mm</td>
</tr>
<tr>
<td>150mm</td>
<td>1.5m</td>
<td>150mm</td>
</tr>
<tr>
<td>150mm</td>
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<td>200mm</td>
</tr>
<tr>
<td>200mm</td>
<td>1.0m</td>
<td>200mm</td>
</tr>
</tbody>
</table>

**Code: 120291**
1 x 100mm female coupling
1 x 100mm equal tee
2 x 3m x 102mm flexible hose
4 x 90-120mm hose clips

**Code: 100171**
1 x 80mm female coupling
1 x 100-80mm reducer
1 x 125-100mm reducer
1 x 125mm female coupling
2 x 90-120mm hose clips

**Code: 120280**
1 x 150mm female coupling
1 x 150mm male coupling
1 x 1.5m x 150mm flexible hose
2 x 135-160mm hose clips

**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

**Code: SPECIAL**
1 x 200mm female coupling
1 x 200mm male coupling
1 x 1m x 200mm flexible hose
2 x 200mm hose clips
# Pipe & Duct

## Plastic Pipe Ø 32mm
- **3.0m straight pipe**
  - 500050 - Grey
  - 500055 - Black ABS

## Plastic Pipe Ø 50mm
- **3.0m straight pipe**
  - 520000 - Grey
  - 520300 - Black ABS

## Plastic Pipe Ø 82mm
- **3.0m straight pipe**
  - 530110 - Grey

## Straight connector
- **500060** - Grey
- **500065** - Black ABS

## 45° bend
- **500070** - Grey

## 90° bend
- **500080** - Grey
- **500090** - Black ABS

## Swept 'T'
- **500100** - Grey
- **500110** - Black ABS

## End blank
- **500120** - Grey
- **500130** - Black ABS

## Pipe clip
- **500180**

## Plastic Pipe Ø 50mm
- **3.0m straight pipe**
  - 520000 - Grey
  - 520300 - Black ABS

## Plastic Pipe Ø 82mm
- **3.0m straight pipe**
  - 530110 - Grey

## Straight connector
- **5300170**

## 45° bend
- **530070** - Grey

## 90° bend
- **530080** - Grey
- **530130** - Black ABS

## Swept 'T'
- **530120** - Grey
- **530130** - Black ABS

## End blank
- **530140**

## Pipe clip
- **530180**

## Plastic Pipe Ø 50mm
- **3.0m straight pipe**
  - 520000 - Grey
  - 520300 - Black ABS

## Plastic Pipe Ø 82mm
- **3.0m straight pipe**
  - 530110 - Grey

## Straight connector
- **530170**

## 45° bend
- **530070** - Grey

## 90° bend
- **530080** - Grey
- **530130** - Black ABS

## Swept 'T'
- **530120** - Grey
- **530130** - Black ABS

## End blank
- **530140**

## Pipe clip
- **530180**

## Steel Duct Ø 100mm
- **3.0m spiral pipe**
  - 540100

## Steel Duct Ø 150mm
- **3.0m spiral pipe**
  - 540300

## Steel Duct Ø 200mm
- **3.0m spiral pipe**
  - 540600

## 90° bend
- **540133**

## 45° bend
- **540130**

## 30° bend
- **540129**

## Equal ‘T’
- **540145**

## End cap
- **540161**

## ‘U’ bracket saddle
- **540190**

## Butterfly valve
- **540185**

## Pipe reducer (100mm-80mm)
- **540150**

## Energy Valve - Alternating Shut Off (100mm)
- **540686**
Arms & Accessories

38mm Stainless Steel Flexible Arm Kit For Purex Airflow Valves

Includes:
- 1 x 38mm x 1m stainless steel flexible arm with fixed pen nib nozzle
- 1 x Support collar and valve
- 1 x Screwed bench bracket
- 1 x 51mm x 2m flexible hose with 2 connecting cuffs

Code: 100294
Replacement parts available if required.

Includes:
- 1 x 38mm x 1m stainless steel flexible arm (includes 1 x Support collar and valve)
- 1 x Clamped bench bracket
- 1 x Conical cowl (95mm ID)
- 1 x 51mm x 2m flexible hose with 2 connecting cuffs

Code: 100295
Replacement parts available if required.

(Additional Fittings)

- **Clear hood cowl** (265 x 310mm)
  Code: 840160

- **Pen Nib Nozzle** (38mm ID)
  Code: 840170

- **Delta cowl (192 x 5mm inlet)**
  Code: 840182

- **Conical Cowl** (95mm ID)
  Code: 840190

- **Screwed bench bracket**
  Code: 840200

- **Clamped bench bracket**
  Code: 120180

- **Wall bracket**
  Code: 840210

- **Bench support collar and valve**
  Code: 840048

- **Plenum cowl** Anti static polycarbonate (black)
  Includes 57mm airflow valve
  Code: 120703

Plenum cowl
Anti static polycarbonate (clear)
Includes 57mm airflow valve
Code: 120704

- **Max W x L**
  300 x 400mm

38mm Stainless Steel Flexible Arm For Push Fit Valves

**Build**
This is a high quality stainless steel replacement arm to fit plastic push fit valves.
- 1 x 38mm x 1m stainless steel flexible arm
- 1 x Pen-nib nozzle (38mm ID)
  or 1 x Conical cowl (38mm ID)
- 1 x Tapered fitting

**Pen Nib Type Code: 120143**
**Conical Cowl Type Code: 120144**

50mm Stainless Steel Flexible Arm Kit For Purex Airflow Valves

Includes:
- 1 x 50mm x 1m stainless steel flexible arm with fixed conical cowl
- 1 x Support collar and valve
- 1 x Clamped bench bracket
- 1 x 51mm x 2m flexible hose with 2 connecting cuffs

Code: 100297
Replacement parts available if required.
# CleanCab Enclosed Extraction Unit

**Complete Kit**
- Includes: Base, Open hood, 57mm Airflow valve
- Code: 840150

**Hood Only**
- Includes: Open hood, 57mm Airflow valve
- Code: 840159

**Base Only**
- Includes: Base
- Code: 840152

---

**Connection kits with 51mm cuffs are suitable for 57mm valves - for 75mm exhaust port use kit 100185**

## Clean Air Feed
- **Free Clean Air**
  - Purex machines produce very clean air from the exhaust so why not use it?
  - This replacement exhaust cowl can be used to supply clean air to equipment such as lasers, ovens and more...

**Machine Range: Code:**
- 200/400, 200i/400i: 190040
- 800i: 190039
- 1500i/2000i: 640002

## Dual Inlet Manifold
- Connect two hose to one machine.

**Manifold:**
- Code:
  - Aluminium Manifold: 120093
  - Coated Aluminium Manifold: 120093C

(1 x 80mm to 2 x 50mm inlets)

## Large Flexible Arms - Call
- Digital 400 machines and above only.
- 100mm = Code: 120172
- Other diameters please call.

## Compressors
- **30 PSI / 2.1 bar**
  - Compressor:
    - Free standing: 100284
    - Integrated*: 100283

* 200i/400i/Alpha/Xbase

---
### Universal - Soldering Iron Kit

Allows an extraction tube to be fitted to most common soldering irons.

<table>
<thead>
<tr>
<th>Code</th>
<th>Item Description</th>
<th>Code</th>
<th>Item Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>100075</td>
<td>Metal iron kit</td>
<td>100070</td>
<td>Large Weller iron adaptor kit</td>
</tr>
<tr>
<td>1 x extraction tube clip</td>
<td>830050</td>
<td>1 x extraction tube clip</td>
<td>830041</td>
</tr>
<tr>
<td>1 x extraction tube strap</td>
<td>830051</td>
<td>1 x 7mm Ø x 150mm extraction tube</td>
<td>830115</td>
</tr>
<tr>
<td>1 x 1.5m x 6mm ID x 1.5mm wall clear silicone hose</td>
<td>830112</td>
<td>1 x 1.5m x 6mm ID x 1.5mm wall clear silicone hose</td>
<td>830030</td>
</tr>
<tr>
<td>5 x hose clips</td>
<td>830010</td>
<td>5 x hose clips</td>
<td>830025</td>
</tr>
<tr>
<td>1 x screw in adaptor (M10)</td>
<td>830008</td>
<td>1 x soldering iron stand</td>
<td>830008</td>
</tr>
<tr>
<td>Universal iron stand</td>
<td>830007</td>
<td>1 x cup</td>
<td>830002</td>
</tr>
<tr>
<td>1 x screw in adaptor (M10)</td>
<td>830010</td>
<td>1 x screw in adaptor (M10)</td>
<td>830010</td>
</tr>
<tr>
<td></td>
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</tr>
</tbody>
</table>

### Specific - Soldering Iron Kits

Allows an extraction tube to be fitted to specific soldering irons.

**Metal iron kit**

Code: 100075

- 1 x extraction tube clip (830050)
- 1 x extraction tube strap (830051)
- 1 x 1.5m x 6mm ID x 1.5mm wall clear silicone hose (830112)
- 5 x hose clips (830025)
- 1 x screw in adaptor (M10) (830008)
- Universal iron stand (830007)
- 1 x screw in adaptor (M10) (830010)

**Antex/Ersa iron kit**

Code: 100085

- 1 x extraction tube clip (830050)
- 1 x extraction tube strap (830051)
- 1 x 6mm Ø x 225mm extraction tube (830115)
- 1 x 1.5m x 6mm ID x 1.5mm wall clear silicone hose (830112)
- 5 x hose clips (830025)
- Universal iron stand (830007)
- 1 x screw in adaptor (M10) (830010)

**Mini Weller iron kit**

Code: 100065

- 1 x extraction tube clip (830050)
- 1 x extraction tube strap (830051)
- 1 x 1.5m x 6mm ID x 1.5mm wall clear silicone hose (830112)
- 5 x hose clips (830025)
- 1 x soldering iron stand (830008)
- 1 x cup (830000)
- 1 x screw in adaptor (M10) (830010)

**Standard Weller/RS/Adcola iron kit**

Code: 100060

- 1 x extraction tube clip (830050)
- 1 x 6mm Ø x 225mm extraction tube (830112)
- 1 x 1.5m x 6mm ID x 1.5mm wall clear silicone hose (830112)
- 5 x hose clips (830025)
- 1 x soldering iron stand (830008)
- 1 x cup (830000)
- 1 x screw in adaptor (M10) (830010)
These optional kits allow the user to quickly and simply detach the soldering iron from the extraction system. The options are:

- To detach the iron from the main pipework.
- To detach the iron from trunking on the bench.
- To detach the iron from an ON/OFF tap.

Use with Soldering Iron Kits shown on previous page.

### Optional - Quick Release Kit

<table>
<thead>
<tr>
<th>Item</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x Adaptor 8mm hose 1/4BSP</td>
<td>580070</td>
</tr>
<tr>
<td>1 x 8mm red blank</td>
<td>580130</td>
</tr>
<tr>
<td>1 x Adaptor tube 8mm x 65mm</td>
<td>580300</td>
</tr>
</tbody>
</table>

Code: **100100**

### Optional - Trunking Connector Kit (Quick Release)

<table>
<thead>
<tr>
<th>Item</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x Adaptor tube 8mm x 65mm</td>
<td>580300</td>
</tr>
<tr>
<td>1 x 8mm red blank</td>
<td>580130</td>
</tr>
<tr>
<td>1 x Trunking connector (8mm)</td>
<td>580190</td>
</tr>
<tr>
<td>1 x 8mm Connector hose stem</td>
<td>580210</td>
</tr>
<tr>
<td>1 x 1.5m x 6mm ID x 1.5mm wall clear silicone hose</td>
<td>560030</td>
</tr>
<tr>
<td>1 x Screw in adaptor (8mm hose, M10)</td>
<td>580010</td>
</tr>
</tbody>
</table>

Code: **100090**

### Optional - ON/OFF Tap Kit (Quick Release)

<table>
<thead>
<tr>
<th>Item</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x 8mm Connector hose stem</td>
<td>580210</td>
</tr>
<tr>
<td>1 x 0.04m x 8mm ID x 2mm wall clear silicone hose</td>
<td>560060</td>
</tr>
<tr>
<td>1 x ON/OFF tap bracket</td>
<td>580090</td>
</tr>
<tr>
<td>1 x ON/OFF tap</td>
<td>590078</td>
</tr>
<tr>
<td>1 x 1m x 13mm flexihose</td>
<td>370000</td>
</tr>
<tr>
<td>2 x Hose clip 15mm</td>
<td>580500</td>
</tr>
<tr>
<td>1 x Adaptor 12mm hose 3/8BSP</td>
<td>580035</td>
</tr>
<tr>
<td>4 x Screws</td>
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</table>

Code: **300002**

### Optional - Tube Cleaning Brushes

<table>
<thead>
<tr>
<th>Item</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tube cleaning brushes 5mm bronze</td>
<td>830200</td>
</tr>
<tr>
<td>Airflow meter 5-50 1/min</td>
<td>330200</td>
</tr>
<tr>
<td>10-100 1/min</td>
<td>330201</td>
</tr>
</tbody>
</table>
### Machine Interfacing

<table>
<thead>
<tr>
<th>Connector Type</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>4 way Mini Bulgin</strong></td>
<td>105097</td>
<td>(5M cable)</td>
</tr>
<tr>
<td><strong>5 way XLR Neutric</strong></td>
<td>105105</td>
<td>(5M cable)</td>
</tr>
<tr>
<td><strong>6 way Bulgin</strong></td>
<td>105103</td>
<td>(5M cable)</td>
</tr>
<tr>
<td><strong>9 way D-type</strong></td>
<td>105106</td>
<td>(5M cable)</td>
</tr>
<tr>
<td><strong>9 way D-type</strong></td>
<td>105107</td>
<td>(5M cable)</td>
</tr>
<tr>
<td><strong>9 way D-type</strong></td>
<td>105104</td>
<td>(5M cable)</td>
</tr>
<tr>
<td><strong>6 way Lumberg</strong></td>
<td>105096</td>
<td>(5M cable)</td>
</tr>
<tr>
<td><strong>7 way Lumberg</strong></td>
<td>105098</td>
<td>(5M cable)</td>
</tr>
<tr>
<td><strong>No Connector</strong></td>
<td>105108</td>
<td>(5M cable)</td>
</tr>
</tbody>
</table>

**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.

**Important:** Failure to follow the wiring instructions above or hard wiring other cables to your Purex machine will invalidate any warranty and may damage your machine.

www.purex.co.uk
Power Plug Options

Note: A plug will be supplied to match the destination region on the order. E.g. an order to go to the UK will be supplied with a UK plug unless you request otherwise.

**FumeCube (inc MAX), FumeBuster, FumeSafe, 2tiP and Captivair**
Are supplied with a 2m long detachable cable with a choice of plug.

<table>
<thead>
<tr>
<th>USA/ASIA 120V</th>
<th>UK</th>
<th>Europe</th>
<th>No Plug</th>
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</thead>
<tbody>
<tr>
<td><img src="120V.png" alt="Plug" /></td>
<td><img src="UK.png" alt="Plug" /></td>
<td><img src="Europe.png" alt="Plug" /></td>
<td>Bare wire only.</td>
</tr>
</tbody>
</table>

**200/400, 200i/400i, 400i PVC, Alpha, Xbase**
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</th>
<th>Europe</th>
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</thead>
<tbody>
<tr>
<td><img src="120V.png" alt="Plug" /></td>
<td><img src="230V.png" alt="Plug" /></td>
<td><img src="UK.png" alt="Plug" /></td>
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<table>
<thead>
<tr>
<th>Australia</th>
<th>No Plug</th>
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<tbody>
<tr>
<td><img src="Australia.png" alt="Plug" /></td>
<td>Bare wire only.</td>
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<tr>
<td>Code: 410164</td>
<td>Code: 410165</td>
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</tbody>
</table>

**800i, 1500i, 2000i, 5000i**
Are factory fitted with a 5m long cable without a plug.

Electrical installations should only be carried out by a qualified person.
### 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>PCB Analogue</th>
<th>FMU Filter Monitor Unit</th>
<th>Inverter 230V/120V</th>
<th>Inverter 220V</th>
<th>Inverter 400V</th>
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</thead>
<tbody>
<tr>
<td>200</td>
<td>300593</td>
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<td>300595 x 2</td>
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<td>Xbase 400</td>
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</tbody>
</table>

When ordering PCBs please supply the machine serial number and connection kit used.

### Replacement Fuses

Code: 410246  (For 200, 200i - 120V) & (400, 400i & 400iPVC - 230V)
Code: 410276  (For 200, 200i - 230V) & (Alpha, Xbase - 230V & 120V)
Code: 410271  (For 400, 400i & 400iPVC - 120V)

### Replacement Manuals

Code: 822005 Digital Manual
Code: 822006 Analogue Manual
Code: 822001 Captivair Manual

Download from www.purex.co.uk
### Options

**Supplied as Standard**

<table>
<thead>
<tr>
<th></th>
<th>Machine Selection</th>
<th>Volume or Vacuum</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Specifying the correct model is vitally important to ensure the extraction rate is sufficient and filtration is optimal.</td>
<td>Digital machines come with the choice of vacuum or volume sensing. Vacuum sensing is for tip and arm applications. Volume sensing is for laser and machine processing.</td>
<td>All machines are available in a variety of voltages to cater for different regions of the world.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Pre-filter</th>
<th>Main Filter</th>
<th>Connection Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>The pre-filter protects the main filter from premature blockage. A wide choice of pre-filter combinations are available from Purex depending on your application.</td>
<td>A wide choice of main filter combinations are available from Purex depending on your application.</td>
<td>Connect the extractor to pipe work or to another machine such as a laser or reflow oven.</td>
</tr>
</tbody>
</table>

### Optional

<table>
<thead>
<tr>
<th></th>
<th>Additional Filtration</th>
<th>Accessories</th>
<th>Remote ON/OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Some applications may require additional filter capacity, for example the Cascade filter can extend the life of other filters in problematic applications.</td>
<td>Accessories include arm, tip and pipework kits.</td>
<td>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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Interface Kit</th>
<th>Installation</th>
<th>LEV Testing</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>The Purex machine can control or be controlled by another machine such as a laser or reflow oven. Options include: ON/OFF control and filter blocked warnings.</td>
<td>Correct installation is essential to aid compliance with health and safety regulations and to protect your people and process.</td>
<td>LEV testing is also essential to aid compliance with health and safety regulations and to protect your people and process.</td>
</tr>
</tbody>
</table>

† Digital machines offer volume or vacuum sensing, all other machines are vacuum sensing only. *Not all machines are supplied with a connection kit as standard, please check the individual product page for details. For more help and information please contact Purex or your local representative.
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.

### 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

### 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
- Can deal with sticky or moisture laden particles
- Composite material available for extra filter life and filtration down to 0.5 micron
- Contains the particles inside for clean and simple disposal

### Pleated Bag pre-filter
- Extends the life of the main filters by capturing larger particles before they reach the HEPA filter
- Uses in Purex 5000i machines
- Provides additional particle capturing capacity
- Ideal for processes where large amounts of particles are produced
- Contains the particles inside for clean and simple disposal

### Cascade heavy duty inline filter
- Extends the life of the pre-filter by capturing larger particles
- Fits between the process and the Purex machine
- Provides additional particle capturing capacity
- Ideal for processes where large amounts of particles are produced
- Can be emptied and reused
- Can be powder seeded for extra life in difficult applications
- Contains the particles inside for clean and simple disposal
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

- 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.

### HEPA/Chemical

- Filters small particles @ 99.997% down to 0.3 microns in size and adsorbs a wide variety of gases and vapours particularly from rubber engraving or acidic gas applications.

### HEPA/Twin Chemical

- Filters small particles @ 99.997% down to 0.3 microns in size and adsorbs gases and corrosive vapours generated when PVC is laser processed.

### HEPA/PVC Chemical

- Filters small particles @ 99.997% down to 0.3 microns in size.

### HEPA/CSA

- Heavy duty filter for laser engraving rubber.

### CSA

- Adsorbs a wide variety of gases and vapours.

### HEPA

- Filters small particles @ 99.997% down to 0.3 microns in size.

### HEPA/Chemical Cleanroom

- Adsorbs a wide variety of gases and vapours and filters small particles @ 99.997% down to 0.3 microns in size. Specially designed for use in cleanrooms. (Use F8/F9 pre-filters.)

### Solvent Lock

- Adsorbs gases and vapours generated by ink jet printing and certain solvent applications.

### Pleated Bag

- Filters small particles from the airstream. Replaces the HEPA filter in certain machines and applications.

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- 39 -

purex@purex.co.uk
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.
### Digital Control System

#### 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 “actual” airflow equals the “required” 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.

### Interfacing

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

<table>
<thead>
<tr>
<th>FEATURE LIST</th>
<th>Graphic Display</th>
<th>Gas Sensor</th>
<th>Particle Sensor</th>
<th>Filter Indicator</th>
<th>Temp Warning</th>
<th>Machine Interfacing</th>
<th>Speed Control</th>
<th>Flow Control</th>
<th>Filter Life Warning</th>
<th>Coated for PVC use</th>
<th>Air Compressor</th>
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</table>

* Supplied as standard.
■ Optional.
- Not applicable
* Analogue control system only
Terms & Conditions

1. Contract

1.1 All quotations given, orders accepted and contracts entered into by Purex International Limited (“Purex”) with any person (“Purchaser”) for supply of goods (“Goods”) or for services (“Services”) are subject to these conditions of sale (“Conditions”). All other terms and conditions, whether expressly stipulated by the Purchaser or implied by trade custom, course of dealing or otherwise are excluded. No variation to these Conditions will be effective unless agreed in writing by an authorised representative of Purex.

1.2 No quotation, estimate or proposal issued by Purex is an offer that is capable of acceptance by the Purchaser. Any order issued by the Purchaser shall be deemed placed subject to these Conditions and shall constitute an offer for the sale of Goods and Services. The contract between Purex and the Purchaser (“Contract”) shall be formed at the time Purex accepts the Purchaser’s order. Purex may accept the Purchaser’s order by issuing an order acknowledgement or by other means, including commencing the supply of Goods or the performance of Services. No amendments to the Contract’s order shall be valid unless agreed in writing by an authorised representative of Purex.

2. Order and Specifications

The Purchaser shall be responsible to Purex for ensuring the accuracy of the terms of any order, including any applicable payment arrangements, and for providing Purex with any necessary information relating to the Goods or Services within a sufficient time to enable Purex to perform the Contract in accordance with its terms. The specification for the Goods or Services shall be that set out in the Purchaser’s order or as otherwise agreed in writing by Purex. Should an order be cancelled by the Purchaser within 2 months of the relevant delivery date Purex reserves the right to impose a reasonable cancellation charge.

3. Price and Payment

3.1 The price of Goods and Services shall be the price quoted by Purex. Quoted prices shall remain valid for 30 days. Prices do not include carriage and packing which will be charged at cost plus a handling fee unless otherwise specified in writing. Express or Special Delivery at the Purchaser’s request will always be at the Purchaser’s expense. Prices do not include VAT.

3.2 Unless otherwise agreed in writing payment of invoices shall be made in full without any deduction or set-off within 30 days of the invoice date. Payment shall be due whether or not the property in the Goods has passed. Time for payment shall be of the essence. If the Purchaser fails to pay Purex any sum due pursuant to the Contract, the Purchaser shall pay any additional interest on such sum from the due date for payment from the due date at the rate of 4% above the base lending rate from time to time of The Bank of England, accruing on a daily basis until payment is made in full. Interest shall be calculated on a daily basis. Purex reserves the right to claim interest under the Late Payment of Commercial Debts (Interest) Act 1998. Purex may also, without prejudice to any other remedy suspend or cancel further supply of Goods or performance of Services whether under this or any other Contract until the Purchaser pays in full together with any applicable interest.

4. Delivery

4.1 Delivery of the Goods shall be made at the Purchaser’s premises. Delivery may be made by installments and in those circumstances, each Schedule of Goods shall be treated as a separate contract. Main and carriage shall be charged to the Purchaser. Purex shall not be liable to the Purchaser if delivery is not made in accordance with these Conditions. If the Purchaser fails to accept delivery, the Goods shall be deemed to have been delivered on the date on which the Goods were ready for delivery.

4.2 Any dates or times for delivery of Goods and performance of the Services are approximate only. Purex shall use reasonable endeavours to meet such dates or times but so long as it uses such reasonable endeavours Purex shall not be liable to the Purchaser, in contract, tort, negligence or otherwise for any loss or damage whatsoever resulting from any late delivery or performance.

4.3 Where the Goods are delivered by instalments, any breach by Purex in respect of any one or more instalments shall not entitle the Purchaser to terminate the Contract in whole or in part.

4.4 Upon receipt of the Goods the Purchaser shall examine them and shall within 48 hours of such receipt give notice to Purex of any defects, apparent or otherwise. The parties will agree between themselves such further action as may be necessary to remedy the defect and/or shortage. Purex shall not be liable for any such defects and/or shortages notified to it after the period of 48 hours after receipt.

5. Risk and Title

5.1 Risk of damage to or loss of the Goods shall pass to the Purchaser when Purex delivers the Goods to the Purchaser or, if the Purchaser collects the Goods from Purex, when the Goods are loaded onto transport at Purex’s premises.

5.2 Notwithstanding the passing of the risk, Purchase shall retain title to and ownership of the Goods until it has received payment in full together with any applicable interest for the Goods.

5.3 Until title in the Goods has passed to the Purchaser, the Purchaser shall be in possession of them as a bailee of the Goods for Purex and shall store the Goods, properly insured and protected, separately from any Goods belonging to the Purchaser or any third party and shall be clearly marked and identifiable as being Purex’s property. Purex shall be entitled to the Purchaser’s premises upon reasonable notice to verify the Purchaser’s compliance with this clause. If the Purchaser fails to make any payments to Purex when due, or any of the circumstances listed in Condition 7.5 were to arise, then Purex will have the right, without prejudice to any other remedies.

5.3.1 to enter, without prior notice, any premises where Goods owned by Purex may be, and to repossess and dispose of any such Goods and/or

5.3.2 to require the Purchaser not to resell or part with possession of any Goods owned by Purex until the Purchaser has paid in full all sums due to Purex under this or any other Contract.

5.4 The Purchaser shall not be entitled to pledge or in any way charge by way of security for any indebtedness any of the Goods which remain the property of Purex and if the Purchaser does so all monies owing by the Purchaser to Purex shall (without prejudice to any other right or remedy of Purex) forthwith become due and payable.

6. Warranty & Liability

6.1 Goods manufactured by Purex : Purex warrants that the Goods manufactured by it will be free from defects in materials and workmanship for a period of 12 months from the date of installation or 15 months from the date of despatch from Purex’s premises, whichever period expires earlier. Exceptions : Spare parts; replacement filters: 12 months from installation or 6 months from despatch Used and ex-demonstration equipment: 3 months from despatch or 6 months from despatch In the case of any breach of warranty then Purex shall at its option remedy such defects or refund such sums as it deems fair. Should an order be cancelled by the Purchaser within 2 months of the relevant delivery date Purex reserves the right to impose a reasonable cancellation charge.

6.2 Goods manufactured by third parties : Purex will use its best endeavours to obtain for the purchaser the warranty of the original manufacturer of the Goods. Repair or replacement, in whole or in part, of any Goods which are manufactured by the original manufacturer is available for a period of 12 months from installation or 15 months from despatch from Purex’s premises, whichever period expires earlier. Should it appear to Purex that the defect is caused by a fault in the manufacture of the Goods, then Purex must be consulted to approve the return of Goods for replacement or repair under the original manufacturer’s warranty.

6.3 All replacement items will be charged at the point of despatch. Provided the original items are received back at Purex within 30 days of the date upon which the Returns Authorisation Number is issued and Purex agrees it is necessary for any replacement to be approved by Purex after which Purex will issue an invoice for the replacement of the Goods and the Purchaser will be under no liability under the above warranties unless the Goods are returned to Purex in accordance with these Conditions and in good condition.

6.4 Any order for replacement Goods or Services within a sufficient time to enable Purex to perform the Contract in accordance with its terms. The specification for the replacement Goods or Services shall be that set out in the Purchaser’s order or as otherwise agreed in writing by Purex. Should an order be cancelled by the Purchaser within 2 months of the relevant delivery date Purex reserves the right to impose a reasonable cancellation charge.

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

6.6 Subject to Clauses 6.1 - 6.5, all representations, warranties and conditions implied by trade custom, course of dealing, statute, common law or otherwise are excluded to the fullest extent permitted by law.

6.7 Subject to Clause 6.5, in no circumstances shall Purex be liable to the Purchaser; in contract, tort, negligence or otherwise, for any incidental or consequential loss including, without limitation, any loss of profit, business, revenue, goodwill or anticipated savings or for any special, exemplary or consequential damages or other financial loss whatsoever arising out of or in connection with the Contract or the supply of the Goods or Services or their use or resale (if applicable) by the Purchaser.

6.8 If notwithstanding the provisions of these Conditions Purex is found liable for any loss suffered by the Purchaser arising in any way out of or in connection with the Contract or the supply of any Goods or Services, that liability shall in no event exceed the price paid for such Goods or Services.

6.9 The parties hereby confirm that notwithstanding any other provision of the Contract or these Conditions, the Contract shall not and shall not purport to confer on any third party the right to enforce any term or condition of the Contract or the supply of Goods or Services. Neither the Goods or Services shall be transferred, assigned or sub-contracted by the Purchaser or, if the Purchaser collects the Goods from Purex, when the Goods are loaded onto transport at Purex’s premises.

7. Force Majeure

7.1 Purex shall not be deemed in breach of the Contract or otherwise liable to the Purchaser; by reason of any delay in performance, or non-performance or its obligations under the Contract to the extent that such delay or non-performance is caused by an event or circumstance beyond Purex’s reasonable control. In such events Purex may, without liability to the Customer, reasonably vary the terms of the Contract including but not limited to extending the time for performing the contract by a period of at least equal to the time lost due to such an event.

8. Termination

8.1 Purex may at any time by notice in writing to the Purchaser terminate the Contract with effect from the date of service of such notice if:

8.1.1 The Purchaser commits a material breach of the Contract and fails to remedy such breach within 14 days after Purex has given written notice to the Purchaser identifying the breach and requiring it to be remedied or

8.1.2 The Purchaser is unable to pay its debts as they fall due within the meaning of Section 123 of the Insolvency Act 1986 or if any petition is presented for the appointment of an administrator or receiver or trustee in bankruptcy in respect of the Purchaser or any part of its undertaking or assets or an administrative receiver is appointed in respect of any of the Purchaser’s undertaking or assets or if the Purchaser makes or attempts to make any arrangement with or for the benefit of its creditors or if the Purchaser ceases to carry on business.

9. Miscellaneous

9.1 The expressions “in writing” and “written” include fax transmission. Purex shall be entitled to sub-contract any part of the Contract to the extent necessary to enable Purex to perform the Contract and to assign the Contract and the Customer shall not in any way assign, create any charge over or encumber the Contract or transfer any right to enforce any of its rights under the Contract. The Contract shall be governed by and construed in accordance with English law and the parties hereby submit to the exclusive jurisdiction of the English courts in relation to any claim or controversy arising out of or connected with the Contract.

9.2 New Accounts : Credit accounts cannot be opened under the minimum amount in operation at the time of placing the order. Customer’s wishing to open a credit account must furnish two trade references and a Bank reference.

9.3 Specification Alterations : Purex reserves the right to alter the specification of any goods without prior reference to the Purchaser provided that the goods comply in all other known respects with the Purchaser’s requirements.

9.4 Trade-Marks / Patents : The supply of goods by Purex shall not confer any right upon the Purchaser to use any Purex trade-mark without prior written consent of Purex and at all times such trade-mark shall remain the property of Purex. Neither does it imply any right to use any Purex patent or any indemnity against infringement of third party patents.

9.5 Catalogues : Catalogues and other advertising matter are issued to indicate the type and range of goods we offer and no particulars therein are binding to Purex.
### Filter Matrix

<table>
<thead>
<tr>
<th>MACHINE</th>
<th>PRE-FILTERS</th>
<th>MAIN FILTERS</th>
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<td>Xbase</td>
<td>200227#</td>
<td>200226#</td>
</tr>
<tr>
<td>Captivair (Refill)</td>
<td>200227#</td>
<td>200226#</td>
</tr>
<tr>
<td>Cascade Box</td>
<td>200227#</td>
<td>200226#</td>
</tr>
</tbody>
</table>

* Pack of 2 • # Pack of 4 • All other filters sold in singles • † Heavy Duty • Δ Rubber Engraving • = Acidic Fumes • Note: The FumeSafe has an exhaust filter 200093