Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

PUREX
FUME EXTRACTION SYSTEMS

*"Protecting People
and the Environment
with Innovative Technology"*

Protecting

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*

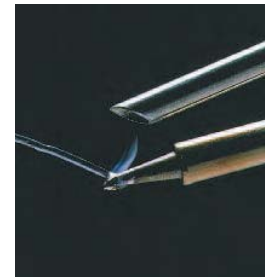---
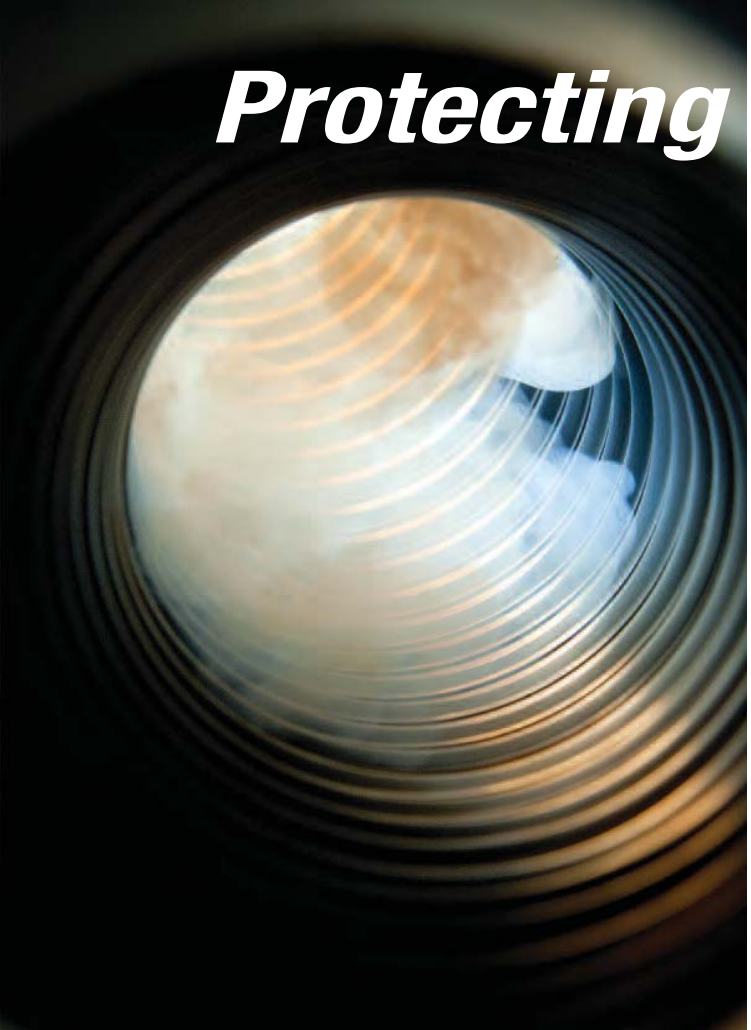
NEW....
FumeCube Max

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

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.*

- *Avoid the possible cost of health compensation claims.*
- *Reduce the cost & time to clean laser lenses, conveyors, guarding, soldering machines and other equipment.*
- *Reduce product contamination.*
- *Provide a better working environment.*
- *Reduce downtime.*

Which Extraction System?

There are usually two types of extraction system available:-

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

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

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

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

LEV systems have additional benefits over external exhaust systems.

See comparison table below...

> "*Purex LEV engineers are qualified to BOHS P601 or P602*"

LEV Local Exhaust Ventilation

COMPARISON: Exhaust into the Environment System "vs" Purex LEV System...

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

Fume Extractor Selector Guide
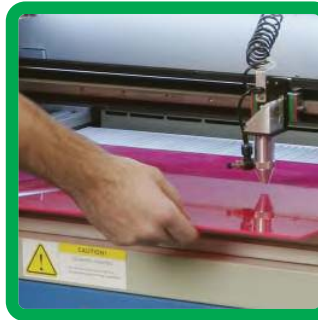
SOLDERING & ELECTRONICS MANUFACTURING

Machine	Arm Extraction, Cabinets & Cowls				Tip Extraction	Reflow	Wave
	Max No. Arms 38mm	Max No. Arms 100mm	Max No. Cleancabs	Max No. Cowls	Max No. Soldering Iron Tips	Oven Extract Volume Required m³/hr	Oven Extract Volume Required m³/hr
FumeCube (inc MAX)	1 or 2	-	-	1 or 2	1*	-	-
FumeBuster	-	-	1 or 2	1 or 2	-	-	-
FumeSafe	-	-	-	-	3 up to 15	-	-
2tiP	-	-	-	-	1 or 2	-	-
200	3	1	1	2	up to 30	-	-
400	6	1	1-2	4	-	-	-
200i	3	1	1	2	up to 30	-	-
200i-HP	-	-	-	-	up to 50	-	-
400i	6	1	1-2	4	-	-	-
800i	9	2	2-4	6	-	-	-
1500i	12	5	4-8	8	-	Below 900	-
2000i	15	5	6-12	10	-	Below 1500	Below 1500
5000i	36	10	12-24	20	-	Over 1500	Over 1500

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.

LASER ENGRAVING

Size of Laser Engraving Machine		Alpha 200	Alpha 400	Xbase 200	Xbase 400	400i	800i	800i 2-Tier (High Dust)	1500i 3-Tier (Acrylic)	2000i	5000i
Light Use	Heavy Use*										
Small		●	■	●	■	-	-	▲	-	-	-
	Small	x	●	x	●	-	-	▲	-	-	-
Medium		x	x	x	x	●	■	▲	-	-	-
	Medium	x	x	x	x	x	●	▲	■	-	-
Large		x	x	x	x	x	x	▲	●	■	-
	Large	x	x	x	x	x	x	▲	-	●	■
Extra large open bed lasers		x	x	x	x	x	x	x	x	●	■

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.

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.

CODING & MARKING

Laser Coding & Marking

CPM (Codes per Minute)		FumeCube MAX*	200i	400i	800i 2-Tier (High Dust)	800i 3-Tier (High Gas)	1500i	2000i	5000i
Good Enclosure	Poor Enclosure								
<200		●	●	■	-	-	-	-	-
	<200	x	x	●	■	-	-	-	-
200-500		x	x	●	■	-	-	-	-
	200-500	x	x	x	●	■	-	-	-
>500		x	x	x	●	■	-	-	-
	>500	x	x	x	x	x	●	■	-
Machines for Lasing PVC		x	x	▲	▲	▲	▲	▲	▲

● 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.

▲ Optional "PVC" machines should be used when lasing onto PVC.

* For low wattage lasers or occasional use.

Notes: Always select a volume control machine.

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.

Continuous Inkjet Coding & Marking

Small Character Inkjet Printers	200	400	800i
See Notes	●	■	■

● Normal selection.

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

Notes: Always select a volume control machine.

There are many different makes and models of inkjet printers available. Please contact Purex or your local representative for advice on which model is correct for particular applications.

IMPORTANT:

• This is a guide only, many factors influence the choice of fume extraction system. For more help and information please contact Purex or your local representative

• Purex recommends the use of anti static hose with continuous inkjet printers.

WIDE FORMAT PRINTING

Printer Model		Machine Part No.		Machine Type	Connection Kit	Fittings	Manifold	Main Filter	Pre-Filter
		230V	120V						
Mimaki	JV33-130SP	080703	080702	CaptivairMAX	120309	120311	120313	113800 x 2	-
	JV33-160SP	080703	080702	CaptivairMAX	120309	120312	120313	113800 x 2	-
Roland	AdvancedJet AJ-740	0LX4000D	0LX4001D	400	120188	120299	-	113508	202260
	VersaUV LEC-300	0AL4102	0AL4103	Alpha 400	100019	120090	-	113508	202269
	VersaUV LEC-330	0AL4102	0AL4103	Alpha 400	100019	120089	-	113508	202269
Seiko	ColorPainter H-74s	080703	080702	CaptivairMAX	120303	120314	120322	113800 x 2	-
	ColorPainter H-104s	080703	080702	CaptivairMAX	120303	120314	120322	113800 x 2	-
	ColorPainter V-64s	0LX4000D	0LX4001D	400	120297	120323 x 2	-	113508	202260

Contact Purex or your local distributor for more information.

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.

Index

Digital Systems

200 & 400

1 2 3	200		400	
Voltage	230V ±10%	120V ±10%	230V ±10%	120V ±10%
Volume Control	0LX2100D	0LX2101D	0LX4000D	0LX4001D
Vacuum Control	080026D	081026D	080410D	080411D
Wattage	0.46 kW	0.47 kW	1.30 kW	1.37 kW
Frequency	50Hz / 60 Hz	50Hz / 60 Hz	50Hz / 60 Hz	50Hz / 60 Hz
Cabinet height (inc castors)	710 mm	710 mm	710 mm	710 mm
Cabinet width (not inc hose)	445 mm	445 mm	445 mm	445 mm
Cabinet depth (not inc hose)	528 mm	528 mm	528 mm	528 mm
Cabinet weight	50 Kg	50 Kg	50 Kg	50 Kg
Construction	Precision engineered brushed stainless steel units. High performance continuous run brushless motors. Mounted on castors for mobility.			

4 — Pre-filter Pad

Options:	Code:
F5 Pack of 4	202260

Air Compressor Available For This Model

5 — Main filter

Options:	Code:	Options:	Code:
HEPA/Chemical (std)	113505	Chemical	113508
HEPA/Twin Chemical	113579	Chemical Special	113662
HEPA/Chemical Cleanroom	113512	Chemical (Acidic Fumes)	113505P
HEPA/Chemical (Hydrophobic)	113505H	Pleated Bag	113531
HEPA	113809	Solvent Lock*	113513

* IMPORTANT!
Must be specified for CIJ printing applications.
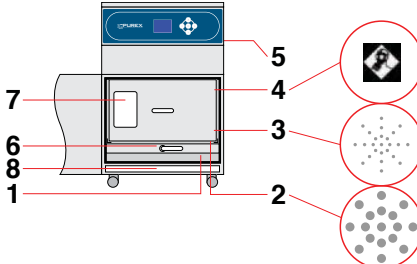
Optional Clean Air Cowl - 190040

6 — Connection Hose Kit

Process → Extractor

PAGE 26–28

7 — Machine Interfacing (Optional)

Your Machine 10011010 ↔ 10011010 Extractor

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

• **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**

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

All machines are mounted on four castors for increased mobility.

† Standard Filter Only

Digital Control System

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

System Features...

• Automatic electronic flow control – maintains a constant extraction rate even as the filter blocks
• Adjustable airflow
• Clear and informative graphic display
• Gas and Particle Sensors on the exhaust
• Low capital and running costs
• Quick change pre-filters deliver longer filter life
• Submicronic (HEPA) filtration removes 99.997% of particles down to 0.3 microns
• Activated carbon filtration removes harmful gas
• Simple to install and quiet in operation
• Easy to relocate
• Precision made from stainless steel

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

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

1 2 3	200i		200i-HP	400i	
Voltage	230V ±10%	120V ±10%	230V ±10%	230V ±10%	120V ±10%
Volume Control	0LX2110D	0LX2121D	-	0LX4010D	0LX4013D
Vacuum Control	080026iD	081026iD	080050iD	080410iD	080411iD
Wattage	0.46 kW	0.47 kW	1.30 kW	1.30 kW	1.37 kW
Frequency	50Hz / 60 Hz	50Hz / 60 Hz	50Hz / 60 Hz	50Hz / 60 Hz	50Hz / 60 Hz
Cabinet height (inc castors)	1070 mm	1070 mm	1070 mm	1070 mm	1070 mm
Cabinet width (not inc hose)	465 mm	465 mm	465 mm	465 mm	465 mm
Cabinet depth (not inc hose)	528 mm	528 mm	528 mm	528 mm	528 mm
Cabinet weight	60 Kg	60 Kg	60 Kg	60 Kg	60 Kg
Construction	Precision engineered brushed stainless steel units. High performance continuous run brushless motors. Mounted on castors for mobility.				

4 Labyrinth Pre-filter

Options: (Pack of 2):	Code:
F6 (std)	202268
F8/F9 Composite	202271
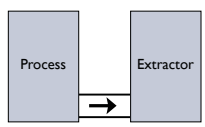
5 Main filter
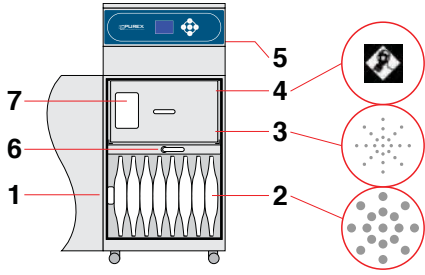
Options:	Code:	Options:	Code:
HEPA/Chemical (std)	113505	HEPA/Chemical (Hydrophobic)	113505H
HEPA+/Chemical (200i-HP)*	113811	Chemical Special	113662
HEPA/Twin Chemical	113579	Chemical (Acidic Fumes)	113505P
or HEPA/Twin Chemical	113669	Pleated Bag	113531
HEPA/Chemical Cleanroom*	113512	HEPA	113809
Chemical	113508	* Use in combination with 202271	

6 Connection Hose Kit

Process → Extractor

PAGE 26–28

7 Machine Interfacing (Optional)

Your Machine 10011010 ⟷ 10011010 Extractor

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

- **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**

Air Compressor Available For This Model
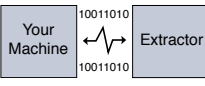
Optional Clean Air Cowl - 190040

5
4
3
2
7
6
1

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

All machines are mounted on four castors for increased mobility.

† Standard Filter Only

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
1 x Connection Kit
1 x Power cable

Accessories

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

400i PVC

1 | 2 — 400i PVC

Voltage	230V ±10%	120V ±10%
Volume Control	**0PV4010D**	**0PV4013D**
Wattage	1.30 kW	1.37 kW
Frequency	50Hz / 60 Hz	50Hz / 60 Hz
Cabinet height (inc castors)	1181 mm	1181 mm
Cabinet width (not inc hose)	465 mm	465 mm
Cabinet depth (not inc hose)	528 mm	528 mm
Cabinet weight	70 Kg	70 Kg

Special Construction
- High chemical resistance epoxy coating on all inner surfaces, painted onto SSPC-SP6 prepared stainless steel for maximum adhesion of coating.
- Polypropylene protective pads and bushings protect the filter mechanisms and epoxy coating from wear.
- Corrosion resistant polymer fasteners and caps protect the door hinges and casters. Door catches and grounding wire mounted externally to avoid corrosion.

3 — 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.

4 — Main filter

Options:	Code:
HEPA/PVC Chemical (std)	113498

Air Compressor Available For This Model

Optional Clean Air Cowl - 190040

5 — Connection Hose Kit

Process → Extractor
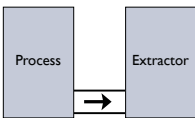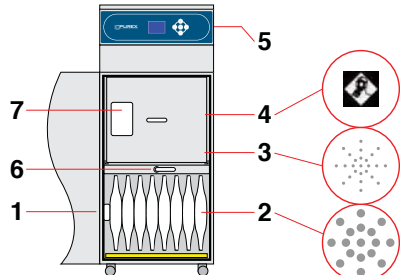
Please choose 100043C connection kit
from **PAGE26**

6 — Machine Interfacing (Optional)

Your Machine ↔ Extractor

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

- **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**

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

- All machines are mounted on four castors for increased mobility.
- An absorbant pad is also supplied to fit under the Labyrinth filter

Digital Control System

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- Increase filter life by using the optimal extraction rate.
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- 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.

800i

1 2 3	800i - 2 Tier		800i - 3 Tier	
Voltage	230V ±10%	120V ±10%	230V ±10%	120V ±10%
Volume Control	080502D	080503D	080501D	080500D
Vacuum Control	080505D	080507D	080504D	080506D
Wattage	2.60 kW	2.74 kW	2.60 kW	2.74 kW
Frequency	50Hz / 60 Hz	50Hz / 60 Hz	50Hz / 60 Hz	50Hz / 60 Hz
Cabinet height (inc castors)	1143 mm	1143 mm	1143 mm	1143 mm
Cabinet width (not inc hose)	571 mm	571 mm	571 mm	571 mm
Cabinet depth (not inc hose)	670 mm	670 mm	670 mm	670 mm
Cabinet weight	80 Kg	80 Kg	90 Kg	90 Kg
Construction	Precision engineered brushed stainless steel units. High performance continuous run brushless motors. Mounted on castors for mobility.			

4 — Labyrinth Pre-filter

Options: (Pack of 2)	Code:	PVC Options:	Code:
(2-Tier)		Chemical Absorbant	200262
F6 (std)	202280	Pad (Pack of 4)	
F8/9 Composite*	202272	*Use F8/F9 Labyrinth bags for PVC	
(3-Tier)			
F8/9 Composite (std)*	202273		
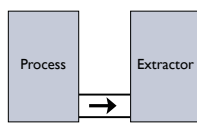
PVC Version Available

Air Compressor Available For This Model

5 — Main filter
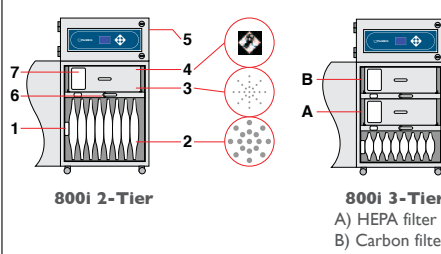
Options:		Code:	
(2-Tier)	HEPA/Chemical (std) or..	113652	† Use in combination with 202272
	HEPA/Twin Chemical or..	113660	
	HEPA/Chemical Cleanroom†	113658	* Must be specified for CIJ printing applications.
(3-Tier)	HEPA (std) and..	113650	
	Chemical (std) or..	113651	
	Solvent Lock*	113667	

Optional Clean Air Cowl - 190039

6 — Connection Hose Kit (Optional)

Process → Extractor

PAGE 26–28

For PVC applications please contact us.

7 — Machine Interfacing (Optional)

Your Machine 10011010 ⟷ 10011010 Extractor

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

- **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
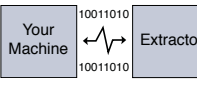
See **PAGE 34**

800i 2-Tier

800i 3-Tier
A) HEPA filter
B) Carbon filter

Legend:
1) Air inlet - 100mm safe seal.
2) Pre-filter.
3) Main Filter (HEPA location). †
4) Main Filter (Carbon location). †
5) Clean air returned to workplace.
6) Filter locking handle.
7) Filter identification label.

All machines are mounted on four castors for increased mobility.

† Standard Filter Only

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.

1500i & 2000i

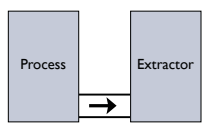| 1 2 3	1500i		2000i	
Voltage	230V ±10%	120V ±10%	400V 3ph + N	220V 3ph
Volume Control	0LX1510D	0LX1511D	0LX2010D	0LX2011D
Vacuum Control	021820iD	021821iD	022120iD	022121iD
Wattage	1.5 kW	1.5 kW	3.0 kW	3.0 kW
Frequency	50Hz / 60 Hz	50Hz / 60 Hz	50Hz / 60 Hz	50Hz / 60 Hz
Cabinet height (inc castors)	1400 mm	1400 mm	1400 mm	1400 mm
Cabinet width (not inc hose)	725 mm	725 mm	725 mm	725 mm
Cabinet depth (not inc hose)	726 mm	726 mm	726 mm	726 mm
Cabinet weight (inc filters)	150 Kg	150 Kg	150 Kg	150 Kg
Construction	Precision engineered brushed stainless steel units. High performance continuous run brushless motors. Mounted on castors for mobility.			

4 — Labyrinth Pre-filter

Options:	Code:	PVC Options:	Code:
F6 (std)	111037	Chemical Absorbant	200281
F8/F9 Composite*	111099	Pad (Pack of 4)	
		*Use F8/F9 Labyrinth bags for PVC	

PVC Version Available

Air Compressor Available For This Model

5 — Main filter

Options:	Code:
HEPA/Chemical (std)	110615
HEPA/Twin Chemical	110614
HEPA/Chemical Cleanroom*	110632
Chemical	110610

Use in combination with 111099

Optional Clean Air Cowl - 640002

6 — Connection Hose Kit (Optional)

Process → Extractor

PAGE 26–28

For PVC applications please contact us.

7 — Machine Interfacing (Optional)

Your Machine 10011010 ↔ 10011010 Extractor

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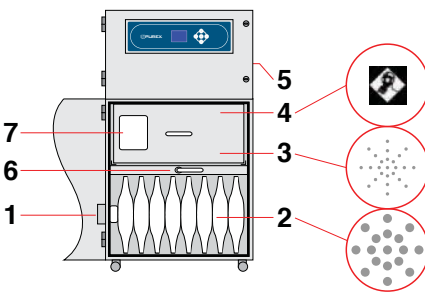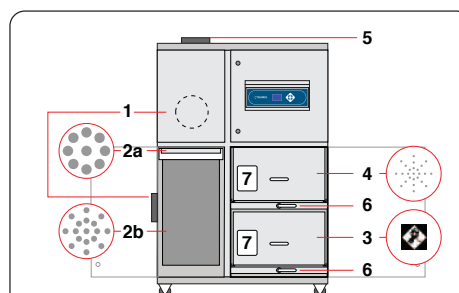
- **Start/Stop Control:** Extraction unit starts/stops when a connected piece of equipment is switched ON/OFF.
- **Filter Blocked Warning:** A signal is sent to a connected piece of equipment to trigger an alert or to shut it down.
- **Remote ON/OFF Switch:** 5M cable & switch

See **PAGE 34**

Legend:
1) Air inlet - 150mm safe seal.
2) Pre-filter.
3) Main Filter (HEPA location). †
4) Main Filter (Carbon location). †
5) Clean air returned to workplace.
6) Filter locking handle.
7) Filter identification label.

All machines are mounted on four castors for increased mobility.

† Standard Filter Only

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.

5000i

1 2 3 — 5000i

Voltage	400V 3ph + N	220V 3ph
Volume Control	0LX5550D	0LX5551D
Vacuum Control	044250D	044251D
Wattage	7.5 kW	7.5 kW
Frequency	50Hz / 60 Hz	50Hz / 60 Hz
Cabinet height (inc castors)	1804 mm	1804 mm
Cabinet width (not inc hose)	1250 mm	1250mm
Cabinet depth (not inc hose)	892 mm	892 mm
Cabinet weight (inc filters)	400 Kg	400 Kg
Construction	Precision engineered brushed stainless steel units. High performance continuous run brushless motors. Mounted on castors for mobility.	

4 — Pre-filter

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

2 - Pleated Bag (Rear Inlet)
Options:	Code:
Pre-filter Pad (Pack of 4) and...	200310
Pleated Bag Filter	111144

PVC Version Available

Air Compressor Available For This Model

5 — Main filter

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

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

6 — Connection Hose Kit (Optional)

Process → Extractor

Call Purex or your local distributor for more information.

7 — Machine Interfacing (Optional)

Your Machine ↔ Extractor

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

- **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**

Legend:
1) Air inlet (Left or Rear) - 200mm safe seal.
2) Pre-filter.
3) Main Filter (HEPA location). †
4) Main Filter (Carbon location). †
5) Clean air returned to workplace.
6) Filter locking handle.
7) Filter identification label.

All machines are mounted on four castors for increased mobility.

† Standard Filter Only

Note:
2a) Prefilter pad
2b) Pleated Bag Filter

Alternatively a Labyrinth filter can be supplied.

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

Includes:
2 x Main filters and

1 x Labyrinth Pre-filter
or 4 x Pre-filter pads with
1 x Pleated Bag Filter

1 x Power cable (no plug)

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

Analogue

Systems

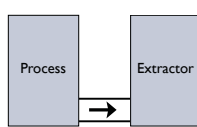| 1 2	200		400	
Voltage	230V ±10%	120V ±10%	230V ±10%	120V ±10%
Alpha-Vacuum Control	0AL2102	0AL2103	0AL4102	0AL4103
Alpha Dust-Vacuum Control	-	-	0AL4136	0AL4137
Wattage	0.14 kW	0.107 kW	0.24 kW	0.255 kW
Frequency	50Hz / 60 Hz	50Hz / 60 Hz	50Hz / 60 Hz	50Hz / 60 Hz
Cabinet height (inc castors)	885 mm	885 mm	885 mm	885 mm
Cabinet width (not inc hose)	465 mm	465 mm	465 mm	465 mm
Cabinet depth (not inc hose)	430 mm	430 mm	430 mm	430 mm
Cabinet weight	55 Kg	55 Kg	55 Kg	55 Kg
Construction	Precision engineered brushed stainless steel units. High performance continuous run brushless motors. Mounted on castors for mobility.			

3 Labyrinth Pre-filter

Standard Alpha
Options: (Pack of 2)   Code:
F6 (std)   202269
F8/F9 Composite   202274

Dust Version
Options: (Pack of 2)   Code:
F6 (std)   202268
F8/F9 Composite   202271
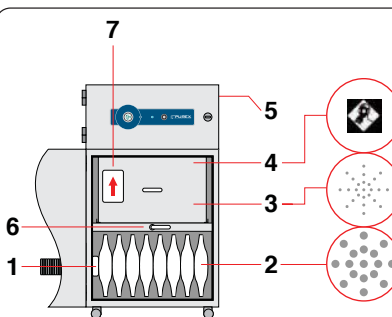
Air Compressor Available For This Model

4 Main filter

Options:	Code:	Options:	Code:
HEPA/Chemical (std)	113505	Chemical	113508
HEPA/Twin Chemical	113579	Chemical Special	113662
or HEPA/Twin Chemical	113669	Chemical (Acidic Fumes)	113505P
HEPA/Chemical Cleanroom*	113512	Pleated Bag	113531
HEPA	113809		
HEPA/Chemical (Hydrophobic)	113505H		

* Use in combination with 202274

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

5 Connection Hose Kit

Process → Extractor

PAGE 26–28

6 Machine Interfacing (Optional)

Your Machine 10011010 ↔ 10011010 Extractor

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

- **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.
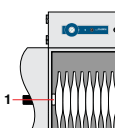- **Remote ON/OFF Switch:** 5M cable & switch

See **PAGE 34**

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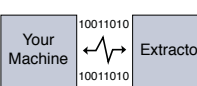1) Air inlet - 80mm safe seal.
2) Pre-filter.
3) Main Filter (HEPA location).
4) Main Filter (Carbon location).
5) Clean air returned to workplace.
6) Filter locking handle.
7) Filter identification label.

All machines are mounted on four castors for increased mobility.

The Alpha Dust has a labyrinth bag only.

Alpha Dust

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, 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

Note: Alpha Dust does not contain a main filter.

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

Xbase

1 2		200		400	
Voltage	230V ±10%	120V ±10%	230V ±10%	120V ±10%
Vacuum Control	0AL2106	0AL2107	0AL4104	0AL4107
Wattage	0.14 kW	0.107 kW	0.24 kW	0.255 kW
Frequency	50Hz / 60 Hz	50Hz / 60 Hz	50Hz / 60 Hz	50Hz / 60 Hz
Cabinet height (inc castors)	705 mm	705 mm	705 mm	705 mm
Cabinet width (not inc hose)	707 mm	707 mm	707 mm	707 mm
Cabinet depth (not inc hose)	691 mm	691 mm	691 mm	691 mm
Cabinet weight	80 Kg	80 Kg	80 Kg	80 Kg
Construction	Precision engineered brushed stainless steel units. High performance continuous run brushless motors. Mounted on castors for mobility.			

3 Labyrinth Pre-filter

Options: (Pack of 2)   Code:
F8/F9 Composite   202275

4 Main filter

Options: Code:
HEPA/Chemical (std)   110545
HEPA CSA   113585

Air Compressor Available For This Model

5 Connection Hose Kit

Process → Extractor

PAGE 26–28

6 Machine Interfacing (Optional)

Your Machine ↔ Extractor
10011010
10011010

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

- **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**

Storage Area

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

All machines are mounted on four castors for increased mobility.

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, 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.

FumeCube

Single Arm System / Dual Arm System

	Single Arm System		Dual Arm System	
Voltage	**230V ±10%**	**120V ±10%**	**230V ±10%**	**120V ±10%**
Vacuum Control	**072066**	**072067**	**072065**	**072068**
Wattage	0.14 kW	0.107 kW	0.14 kW	0.107 kW
Frequency	50Hz / 60 Hz	50Hz / 60 Hz	50Hz / 60 Hz	50Hz / 60 Hz
Cabinet height	366 mm	366 mm	366 mm	366 mm
Cabinet width (not inc hose)	308 mm	308 mm	308 mm	308 mm
Cabinet depth (not inc hose)	294 mm	294 mm	294 mm	294 mm
Cabinet weight (inc filters)	17 Kg	17 Kg	17 Kg	17 Kg
Construction	Precision engineered brushed stainless steel units. High performance continuous run brushless motors. Quick and simple to relocate.			

3 — Pre-filter Pad

Options:	Code:
F5 Pack of 4 (std)	200225
F6 Pack of 4	200226
F8/F9 Pack of 4	200316
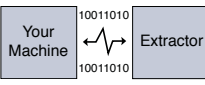
4 — Main filter

Options:	Code:	Options:	Code:
HEPA/Chemical (std)	110536	Solvent Lock	110543
Chemical	110537	** Use in combination with 200316*	
Chemical Special	110544		
HEPA/Chemical Cleanroom*	110538		

Note: FumeCubes sold prior to December 2008 may require different filters. Please contact your local distributor for advice.
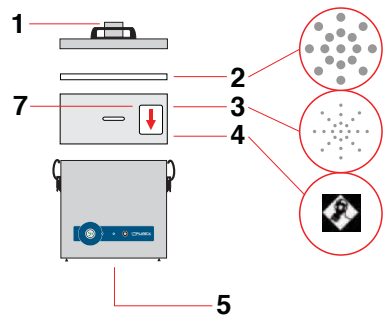
6 — Machine Interfacing (Optional)

Your Machine	10011010 ↔ 10011010	Extractor

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

- **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**

Legend:
1) Air inlet - 57mm ID - 62mm OD
2) Pre-filter.
3) Main Filter (HEPA location).
4) Main Filter (Carbon location).
5) Clean air returned to workplace.
7) Filter identification label.

In cleanroom filters, positions 3&4 are reversed.

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

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

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

1 — Machine Only

Voltage	230V ±10%	120V ±10%
Vacuum Control	**072115**	**072116**
Wattage	0.14 kW	0.107 kW
Frequency	50Hz / 60 Hz	50Hz / 60 Hz
Cabinet height	493 mm	493 mm
Cabinet width (not inc hose)	314 mm	314 mm
Cabinet depth (not inc hose)	330 mm	330 mm
Cabinet weight (inc filters)	14 Kg	14 Kg

NEW

2 — Pre-filter

Labyrinth Pre-Filter (All models)

Description:	Code:
F8/F9 Composite	111124

Legend:
1) Air inlet - 80mm safe seal.
2) Prefilter.
3) Main Filter (HEPA location).
4) Main Filter (Carbon location).
5) Clean air returned to workplace.
7) Filter identification label.

Construction - Precision engineered brushed stainless steel units. Quick and simple to relocate.

3 — Main filter

Main Filters

Description:	Code:
HEPA/Chemical (std)	110507
Chemical	110504

4 — Hose and Arm Kits

Option 1

Description:	Code:
51mm hose kit (3m)	100032

Option 2
Single 38mm arm kit (Screw Fixing)

1 x Arm Kit (Screw Fix)	100294
or 1 x Arm Kit (Clamp Fix)	100295
1 x 80mm to 51mm reducer	550287

Option 3
Dual 38mm arm kit

2 x Arm Kit (Screw Fix)	100294
or 2 x Arm Kit (Clamp Fix)	100295
1 x Dual Manifold Assembly	120093C

3m

2m

2m

Option 1 - Hose Kit | **Option 2** - 38mm Single Arm Kit | **Option 3** - 38mm Dual Arm Kit

5 — Machine Interfacing (Optional)

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

- **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
- VariColour 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

FumeSafe™

1 3-15 Tip Fume Extraction Unit

Auto Sensing Dual Voltage Blower Works Anywhere in the World!

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	Stainless Steel	
Construction	Precision engineered brushed stainless steel units. High performance continuous run brushless motors. Quick and simple to relocate.	
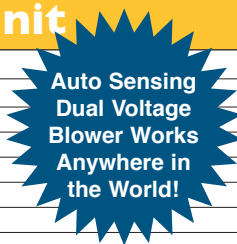
3 Replacement Pads

Pre Filter   Exhaust Filter

Pre Filter Options:	Code:
F8/F9 Pack of 4	200098

Exhaust Filter Options:	Code:
Single	200053

4 Replacement Main filter

Options:	Code:
HEPA/Chemical (std)	110531
Chemical	110532
or Chemical Special	110542
HEPA/Chemical Cleanroom	110533
Solvent Lock	110541
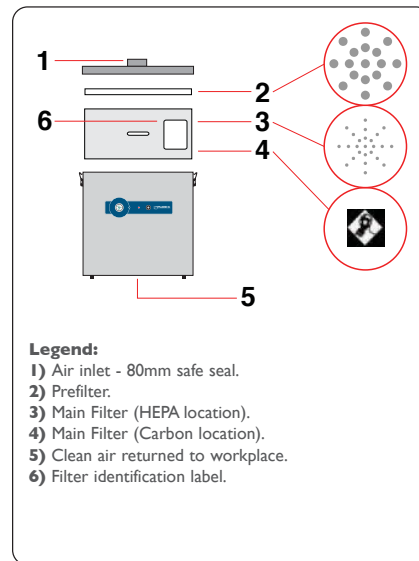
Pipe kit (100165) includes 32mm Ø:	Code:
6 x 1.5M x 32mm pipe (3 pre drilled)	500050
4 x 90° bends	500080
2 x Swept T's	500100
4 x Straight connectors	500060
2 x End caps	500120

41mm Hose x 1.5m — Connector
Hose Clips
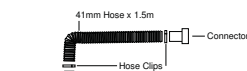
Also includes machine to pipe connector hose
Code - 100170

Supplied with 3 universal iron kits - 300001

Legend:
1) Air inlet - 80mm safe seal.
2) Prefilter.
3) Main Filter (HEPA location).
4) Main Filter (Carbon location).
5) Clean air returned to workplace.
6) Filter identification label.

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

Includes:
1 x Main filter
1 x Pre-filter pad
1 x Exhaust filter
1 x Power cable
1 x Connection kit
1 x Pipework kit
3 x Universal iron kits

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

2tiP
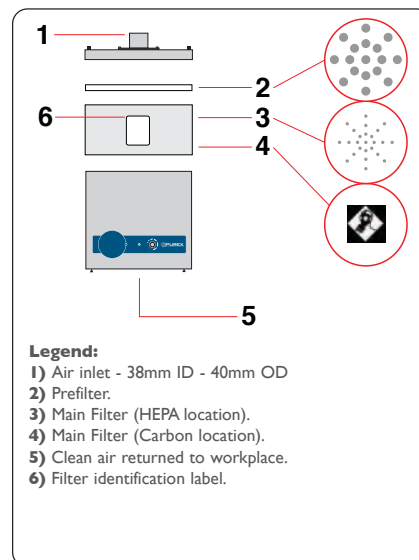
2 Tip Fume Extraction Unit

1

Voltage	230V ±10%	
Vacuum Control	**072120**	
Wattage	0.135 kW	
Frequency	50Hz / 60 Hz	
Cabinet height	275 mm	
Cabinet width (not inc hose)	286 mm	
Cabinet depth (not inc hose)	291 mm	
Cabinet weight (inc filters)	9.8 Kg	
Construction	Stainless Steel	
Construction	Precision engineered brushed stainless steel units. High performance continuous run brushless motors. Quick and simple to relocate.	

3 — Replacement Pre-filter Pad

Options:	Code:
F5 Pack of 4 (std)	200225
F6 Pack of 4	200226

4 — Replacement Main filter

Options:	Code:
HEPA/Chemical (std)	110507

41mm Hose x 1.5m

Connector for 2 x silicone tube

Hose Clips

Supplied with connection kit

Options: Iron kits (Pg 32-33)

1
6
2
3
4
5

Legend:
1) Air inlet - 38mm ID - 40mm OD
2) Prefilter.
3) Main Filter (HEPA location).
4) Main Filter (Carbon location).
5) Clean air returned to workplace.
6) Filter identification label.
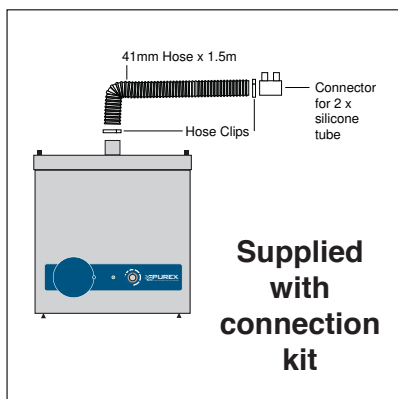
Controls & System Features...
- Run LED
- Speed Control
- Low capital and running costs
- Quick change pre-filters deliver longer filter life
- Submicronic (HEPA) filtration removes 99.997% of particles down to 0.3 microns
- Activated carbon filtration removes harmful gas
- Simple to install and quiet 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.

FumeBuster

1 — Machine Only

Voltage	230V ±10%	115V ±10%
Vacuum Control	**070362**	**070363**
Wattage	0.3 kW	0.3 kW
Frequency	50Hz	60 Hz
Cabinet height (inc castors)	350 mm	350 mm
Cabinet width (not inc hose)	425 mm	425 mm
Cabinet depth (not inc hose)	415 mm	415 mm
Cabinet weight (inc filters)	25 Kg	25 Kg
Construction	Precision engineered brushed stainless steel units. High performance continuous run brushless motors. Quick and simple to relocate.	

2 — Pre-filter Pad

Options:	Code:
F5 Pack of 4 (std)	200314
F8/F9 Pack of 4	200098

3 — Main filter

Options:	Code:	
HEPA/Chemical (std)	110531	Solvent Lock 110541
Chemical	110532	* Use in combination with 200098
or Chemical Special	110542	
HEPA/Chemical Cleanroom*	110533	

4 — Capture Kit (Optional)

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

Code: 100181

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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

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

Code: 100183

75mm

Legend:
1) Air inlet - 75mm ID - 77mm OD
2) Prefilter.
3) Main Filter (HEPA location).
4) Main Filter (Carbon location).
5) Clean air returned to workplace.
7) Filter identification label.

In cleanroom filters, positions 3&4 are reversed.
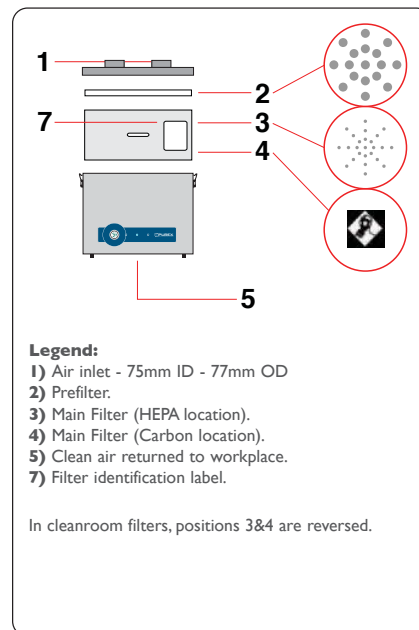
Controls

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
• 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 x Port blank (530430)
1 x Power cable

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

| What to specify...	Model	Voltage

2 Captivair Max

Voltage	230V ±10%	120V ±10%		
Vacuum Control	**080703**	**080702**		
Wattage	0.155 kW	0.280 kW		
Frequency	50 Hz	60 Hz		
Cabinet height (inc castors)	691 mm	691 mm		
Cabinet width (not inc hose)	851 mm	851 mm		
Cabinet depth (not inc hose)	591 mm	591 mm		
Cabinet weight (inc filters)	100 Kg	100 Kg		

Legend:
1) Air inlet
4 x 48mm ID - 51mm OD
4 x 98mm ID - 102mm OD
4) Main Filter (Carbon location).
5) Clean air returned to
workplace.

All machines are constructed of coated steel.
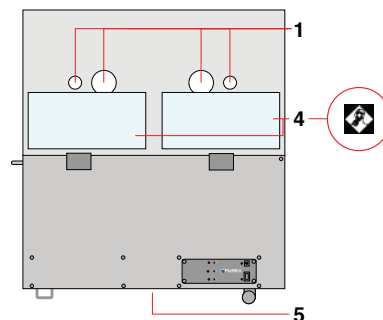
Main filter (Included)

Description:
Chemical (refillable)
Refill for 113800

Code:
113800
113805

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

Printer Model		Machine Part No.		Machine Type	Connection Kit	Fittings	Manifold	Main Filter	Pre-Filter
		230V	**120V**						
Mimaki	JV33-130SP	080703	080702	CaptivairMAX	120309	120311	120313	113800 x 2	-
	JV33-160SP	080703	080702	CaptivairMAX	120309	120312	120313	113800 x 2	-
Roland	AdvancedJet AJ-740	0LX4000D	0LX4001D	400	120188	120299	-	113508	202260
	VersaUV LEC-300	0AL4102	0AL4103	Alpha 400	100019	120090	-	113508	202269
	VersaUV LEC-330	0AL4102	0AL4103	Alpha 400	100019	120089	-	113508	202269
Seiko	ColorPainter H-74s	080703	080702	CaptivairMAX	120303	120314	120322	113800 x 2	-
	ColorPainter H-104s	080703	080702	CaptivairMAX	120303	120314	120322	113800 x 2	-
	ColorPainter V-64s	0LX4000D	0LX4001D	400	120297	120323 x 2	-	113508	202260

Contact Purex or your local distributor for more 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
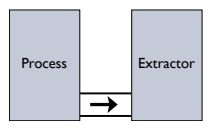
Includes:
2 x Main filters
1 x Power cable

Inline Filter Units

1

Part number	**Cascade**	**Spark Arrestor**
	890180	**890241**
Cabinet height (inc castors)	1063 mm	1063 mm
Cabinet width (not inc hose)	430 mm	430 mm
Cabinet depth (not inc hose)	430 mm	430 mm
Cabinet weight (inc filters)	30 Kg	30 Kg
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.	Not Applicable.

2

Cascade Pre-filter

Description:
Needlefelt Cascade
Code: 111107
or

Description:
Labyrinth F8/F9 Composite
Code: 111117

Cascade Version Shown

Spark Arrestor

Description:
Supplied with a collection tray

3

Connection Hose Kit

Process   Extractor

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

Code: 100184

1 **4**
2
3
5

Cascade Version

Labyrinth Version

1
5
6

Spark Arrestor

Air Inlet can be ordered in various positions

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.
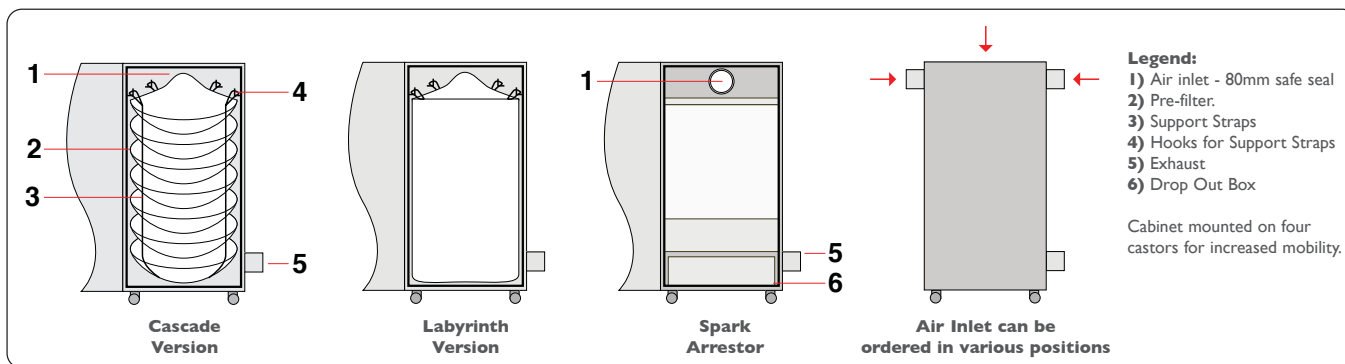
Inline Filter

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★

- 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
★ cascade filter only

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.

Includes:
1 x Cascade filter
or 1 x Labyrinth filter
or 1 x Drop out box
1 x Connection kit

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

Accessories