

The logo for PUREX Fume Extraction Systems. It features a stylized blue icon on the left consisting of three wavy lines above a solid blue square. To the right of the icon, the word "PUREX" is written in a large, bold, blue, sans-serif font. Below "PUREX", the words "FUME EXTRACTION SYSTEMS" are written in a smaller, blue, sans-serif font.

PUREX

FUME EXTRACTION SYSTEMS

Brochure 11/11



*“Protecting People
and the Environment
with Innovative Technology”*

Purex Fume Extraction Systems

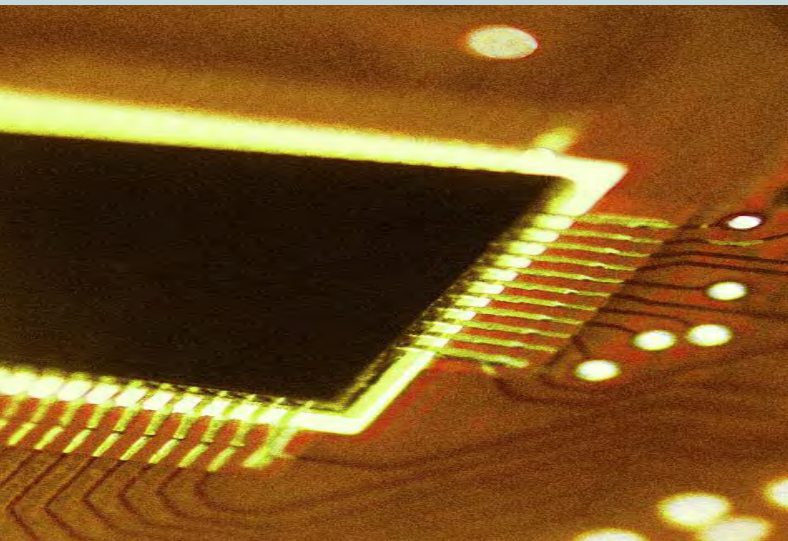
Purex offers an extensive range of fume extraction solutions. These range from machines to protect a single person to powerful centralised systems to cater for multiple users or high volume continuous automated processes (e.g. a PCB production line).

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



Protecting



The company philosophy is to provide customers with solutions for their fume extraction requirements plus excellent aftersales service and support. We strive to make the Purex brand synonymous with quality, reliability and performance and continually develop our products to meet and exceed the ever changing demands of industry and health & safety legislation.

Andy Easey

General Manager - Purex



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, or equivalent.
- Increase production speeds.
- Reduce complaints by operators due to odours, dust and vapours.
- Avoid possible cost of health compensation claims.

- Reduce the cost & time to cleaning laser lenses, conveyors, guarding, soldering machines and other equipment.
- Reduce product contamination.
- Provide a better working environment.
- Reduce downtime.

Which Extraction System?

These 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...



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.



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NEW - Corrosion resistant epoxy coated cabinets for PVC lasing are available for many models.

NEW....
 Integral or separate **Air Compressors** are available for many models to provide clean compressed air to other equipment such as a laser.





New! • New! • New!

150

18

Low Profile Unit

- Doubles as an extractor and a base for laser engraving machines.
- Compact size and low noise makes the 150 ideal for use in offices, malls and schools.
- Ideal for smaller desktop laser engraving machines.



400

19

Twin Port

- Includes two versatile inlet ports that can be used to extract from two separate places.
- Ideal for use on certain wide format printers.
- Can be used to connect to two sets of pipework for example on an extraction arm installation.



200i-HP

20

50 Tip Extraction Unit

- Can extract from up to 50 soldering iron tips!
- Start with a few tip extraction points and add more as your business grows.
- High pressure continuous brushless blowers deliver excellent performance and are designed to run 24/7.
- Designed to work with lead free solder.



Alpha Dust

26

Filter Dust

- Small, compact unit filters dust from a variety of applications.
- Ideal for dentistry, medical device manufacturing, packaging cleaning and many more applications.
- Uses patented filter technology.



FumeSafe

30

15 Tip Extraction Unit

- Can extract from up to 15 soldering iron tips!
- Start with a few tip extraction points and add more as your business grows.
- High pressure continuous brushless blowers deliver excellent performance and are designed to run 24/7.
- Designed to work with lead free solder.



2tiP

31

2 Tip Extraction Unit

- Ideal unit when only one or two soldering irons are in use!
- Small, compact and easy to relocate.
- Designed to work with lead free solder.
- Excellent entry level machine.
- Great for rework, repair, outworkers or the hobbyist solderer.



Replacement Arms

38

Precision Made Stainless Steel Arms

- Designed to replace and upgrade other manufacturers plastic arms which can often fail in use.
- For use with flip top bench fixings.



CleanCab Range

39

Extraction Cabinets

- Encloses the fume source on 3 sides for optimum extraction.
- Clear chemically resistant hood offers excellent visibility of the items being worked on.
- Ideal for working with chemicals, solvents, glues and a wide variety of other materials.



Energy Valve

37

Reduce Heating Costs!

Many processes such as reflow ovens and wave soldering machines create heat. This heat is usually wasted by being pumped outside.



Now you can recycle this heat into the workplace with a Purex filtration system and an energy valve. During hot weather the heat can be redirected outside!

SparkTrap

42

Inline SparkTrap.

- This unit can be used on processes that create sparks or hot material such as laser cutting.
- The sparks are forced to cool against metal surfaces before falling out of the airstream into a collection tray.



Clean Air Feed

Free Clean Air!

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



NEW Filters

- **F6 Pre-filter Pads** - deliver maximum protection of the main filter and increased filter life in FumeCube and 2tiP machines.
- **Unique F8/F9 Composite Pre-filter Pads** - deliver maximum protection of the main filter and increased filter life in FumeBuster and FumeSafe machines especially when using lead free solder.
- **PVC Adsorbent Pads** - are now available for larger machines which have a PVC option, e.g. 800i, 1500i, 2000i and 5000i.
- **New Patented F8/F9 Labyrinth Pre-filter** - for Digital 150 machines. Protects the main filter for much longer than standard filters and captures particles down to 0.5 microns in size.
- **Heavy Duty HEPA Filters** - for 200i-HP machines. Deliver maximum performance when soldering with lead free solders.
- **Heavy Duty Chemical Filters** - for 5000i machines. Outperform normal filters in applications where high solvent levels are present or where acrylic material is being laser engraved or cut.
- **Solvent Lock Filters** - for FumeBusters. FumeBusters can now be used to extract fumes from applications where solvents are used such as MEK.





Laser Coding, Marking & Engraving

Purex Systems:

- Prevent damage to the laser and components
- Protect personnel from harmful fumes
- Reduce product rejects due to poor laser performance
- Maintain a constant extraction rate
- Deliver longer filter life
- Interface with the laser
- Include an extraction run-on time to clear fumes after the laser stops coding
- Adjustable airflow helps prevent drag marks on the workpiece

CIJ and Wide Format Printing

Fumes are drawn through the Purex Solvent Lock™ or Chemical filters which utilizes a specialised blend of filter media to adsorb the ink solvent vapour safely before clean air is returned to the workplace.

Purex Systems:

- Protect personnel
- Help ensure compliance with health & safety regulations
- Helps prevent medical conditions such as fatigue, headaches and nausea
- Provides a cleaner, more pleasant work environment
- Avoids complaints by neighbours about solvent odours
- Prevents solvents being pumped into the environment

Electronics Manufacturing

Purex fume extraction systems are designed in conjunction with some of the worlds largest Contract Electronics Manufacturers and equipment providers to help:

Purex Systems:

- Prevent damage caused by solder and flux build up in machinery such as reflow ovens, wave soldering machines, conveyors, printers and other equipment.
- Prevent downtime for cleaning and maintenance.
- Protect personnel from hazardous fumes.
- Reduce board reject rates and costly rework due to poor production performance.
- Maintain a constant extraction rate to ensure stable temperature profiles.
- Deliver long filter life to reduce maintenance stops.
- Interface with ovens, printers etc to automatically Start/Stop extraction.
- Includes an extraction run-on function to clear fumes after the oven is switched off to ensure all and solder/flux vapour is removed.

Other applications for Purex fume extraction systems include:

- Tablet manufacturing
- Chemical production
- Dentistry and medical applications
- Cleanroom, research and laboratory work
- Welding and engineering
- Schools, university and other education establishments
- Podiatry
- Medical procedures such as laser surgery
- Medical waste storage
- Powder handling



Machine Selector Guide

CODING & MARKING



Laser Coding & Marking

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

Notes:

1. The selection is based on the use of 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 Printers

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:

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:

- Choose a volume control machine for laser coding & marking and inkjet applications.
- 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.



Machine Selector Guide

LASER ENGRAVING



Size of Laser Engraving Machine		Alpha 200	Alpha 400	Xbase 200	Xbase 400	150 Low Profile	400i	800i 2-Tier (High Dust)	800i 3-Tier (Acrylic)	1500i	2000i	5000i
Light Use	Heavy Use*											
Small		●	■	●	■	●	-	-	▲	-	-	-
	Small	x	●	x	●	x	-	-	▲	-	-	-
Medium		x	x	x	x	x	●	■	▲	-	-	-
	Medium	x	x	x	x	x	x	●	▲	■	-	-
Large		x	x	x	x	x	x	x	▲	●	■	-
	Large	x	x	x	x	x	x	x	▲	-	●	■
Extra large open bed lasers		x	x	x	x	x	x	x	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.
- ▲ Consider if continually lasing acrylic.

Notes:

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.

WIDE FORMAT PRINTING



Capture Kits Available for Most Printers

	Printer Model	Machine Part No.		Machine Type	Connection Kit	Hood	Manifold	Pre-Filter	Main Filter
		230V	120V						
Mimaki Roland	JV33-130SP	080703	080702	CaptivairMAX	120309	120311	120313	-	113800
	AdvancedJet AJ-1000	080703	080702	CaptivairMAX	120307	120308	-	-	113800
	AdvancedJet AJ-740	0LX4000D	0LX4001D	400	120188	120299	-	113505	202260
Seiko	VersaUV LEC-300	0AL4102	0AL4103	Alpha 400	100019	120089	-	113505	202269
	ColorPainter H-74s	080703	080702	CaptivairMAX	120303	120314	120322	-	113800
	ColorPainter H-104s	080703	080702	CaptivairMAX	120303	120314	120322	-	113800
	ColorPainter V-64s	080740	080741	400 (Twin Port)	120297	-	-	113508	202260

Capture Kits Available for Other Printers. Contact Purex or your local distributor for more information.



Machine Selector Guide

ELECTRONICS MANUFACTURING



Extraction Arms



Hand & Point-to-Point Tip Extraction



Reflow Ovens, Component Underfill & Selective Soldering Machines



Wave & Selective Wave Soldering

Machine	Capture Arms			Tips	Reflows	Wave
	Max No. Arms 38mm	Max No. Cleancabs	Max No. Cowls	Max No. Soldering Iron Tips	Extract Volume Required m ³ /hr	Extract Volume Required m ³ /hr
FumeCube	1 or 2	-	-	1*	-	-
FumeBuster	-	1 or 2	1 or 2	-	-	-
FumeSafe	-	-	-	3 up to 15	-	-
2tiP	-	-	-	1 or 2	-	-
200	3	2	2	up to 30	-	-
400	6	4	4	-	-	-
200i	3	2	2	up to 30	-	-
200i-HP	-	-	-	up to 50	-	-
400i	6	4	4	-	-	-
800i	9	6	6	-	-	-
1500i	12	8	8	-	Below 900	-
2000i	15	10	10	-	Below 1200	Below 2000
5000i	30	20	20	-	Over 1200	Over 2000

Notes:

1. The selection is based on the use of a standard connection kit.
2. Longer pipe runs may require a larger extraction machine.
3. * Point-to-point soldering machines only, not suitable for handheld tip extraction.
4. Continuous use may require a machine with larger filtration capacity. Contact Purex for further advice.

IMPORTANT: Choose a vacuum control machine for Arm and Tip extraction and a volume control machine for other applications.

OTHERS

The Alpha Dust unit can be used where a bag filter only is required, for example when cleaning packaging.



Options

Supplied as Standard

1 Machine Selection

Specifying the correct model is vitally important to ensure the extraction rate is sufficient and filtration is optimal.



2 Volume or Vacuum

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.[†]



3 Voltage

All machines are available in a variety of voltages to cater for different regions of the world.



4 Pre-filter

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.



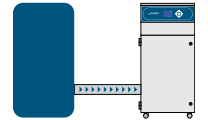
5 Main Filter

A wide choice of main filter combinations are available from Purex depending on your application.



6 Connection Kit

Connect the extractor to pipe work or to another machine such as a laser or reflow oven.*



Optional

7 Additional Filtration

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



8 Accessories

Accessories include arm, tip and pipework kits.



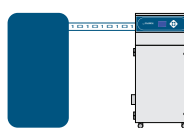
9 Remote ON/OFF

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



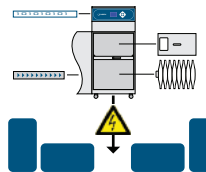
10 Interface Kit

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.



11 Installation

Correct installation is essential to aid compliance with health and safety regulations and to protect your people and process. Contact your local distributor.



12 LEV Testing

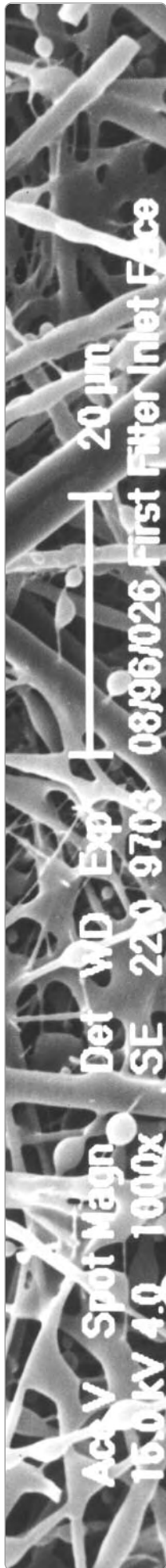
LEV testing is also essential to aid compliance with health and safety regulations and to protect your people and process. Contact your local distributor.



[†] 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



Filter Matrix



MACHINE	PRE-FILTERS						MAIN FILTERS										
	Pad F5	Pad F6	Pad F8/F9	Pad Adsorbent PVC	Pleated Bag	Labyrinth F6	Labyrinth F8	Labyrinth F8/F9	Cascade	HEPA Chemical	HEPA Twin Chemical Cleanroom	HEPA Chemical	HEPA	CSA	Pleated Bag	HEPA CSA	Solvent Lock
150								202276*		113505	113579	113508	113809	113662	113531		
200/400	202260#									113505	113579	113508	113809	113662	113531		113513
200i/400i					202268*		202271*			113505	113579	113508	113809	113662	113531		
200i-HP							202271*			113811†							
400i PVC				200261#			202271*			113498							
800i 2-Tier				200262#	202280*		202272*			113652	113660	113658					
800i 3-Tier				200262#			202273*						113650				113667
1500i/2000i				200281#	111037		111099			110615	110614	110632	110610				
5000i	200310#			200312#		111072	111006					110627	110633		110645		
FumeCube	200225#	200226#								110536		110538					110541
FumeBuster	200314#		200098#							110531		110533					
FumeSafe	See note.		200098#							110531							
2 Tip	200225#	200226#								110507							
Alpha					202269*		202274*			113505	113579	113512	113809	113662	113531		
Alpha Dust					202268*		202271*										
Xbase							202275*			110545						113585	
Captivair (Refill)																	
Cascade Box							111117	111107									

* Pack of 2 • # Pack of 4 • † Heavy Duty • Note: The FumeSafe has an exhaust filter 200093

All other filters sold in singles



We also supply filters for other makes and models such as BOFA, Pace, OKI and others. Contact us to see how much you could save!

NEW!

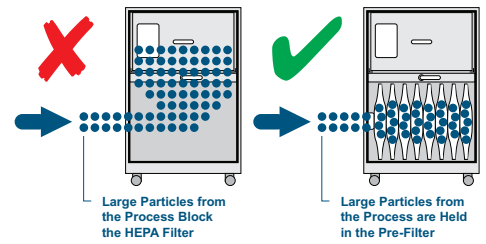


Pre-Filters

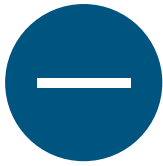
Pre-filters are designed to capture larger particles before they can enter the main HEPA filter.

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.



Pads



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

Labyrinth



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

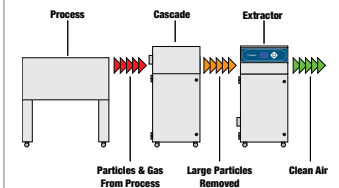
Pleated Bag



Pleated bag pre-filter

- Extends the life of the main filters by capturing larger particles
- Used 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



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





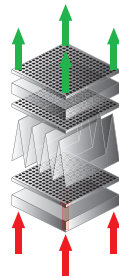
Main Filters

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.

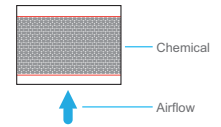
Additionally, air equalisation plates are used between the layers of media to further reinforce the filter housing and to distribute the airflow across the filter to ensure all of the filter media is used.

Typical Filter



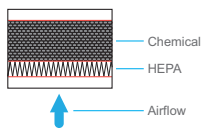
Chemical

Adsorbs a wide variety of gases and vapours.



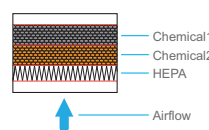
HEPA/Chemical

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



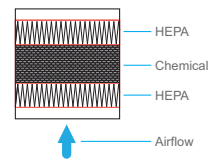
HEPA/Twin Chemical

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 applications.



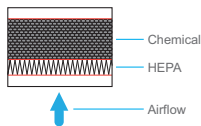
HEPA/PVC Chemical

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



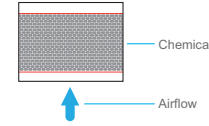
HEPA/CSA

Heavy duty filter for laser engraving rubber.



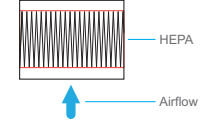
CSA

Adsorbs a wide variety of gases and vapours.



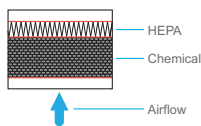
HEPA

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



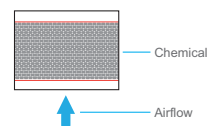
HEPA/Chemical Cleanroom

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.



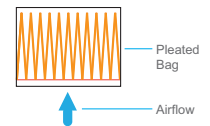
Solvent Lock

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.





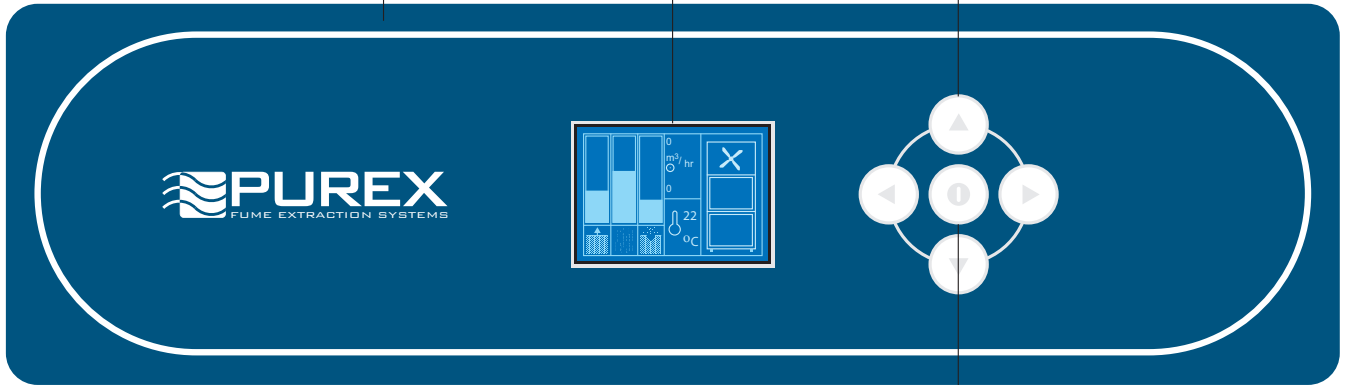
Digital Control System

*“The Ultimate in Advanced Control,
Monitoring, Performance and Safety Features”*

WATER PROOF FASCIA

GRAPHIC DISPLAY

MENU BUTTONS

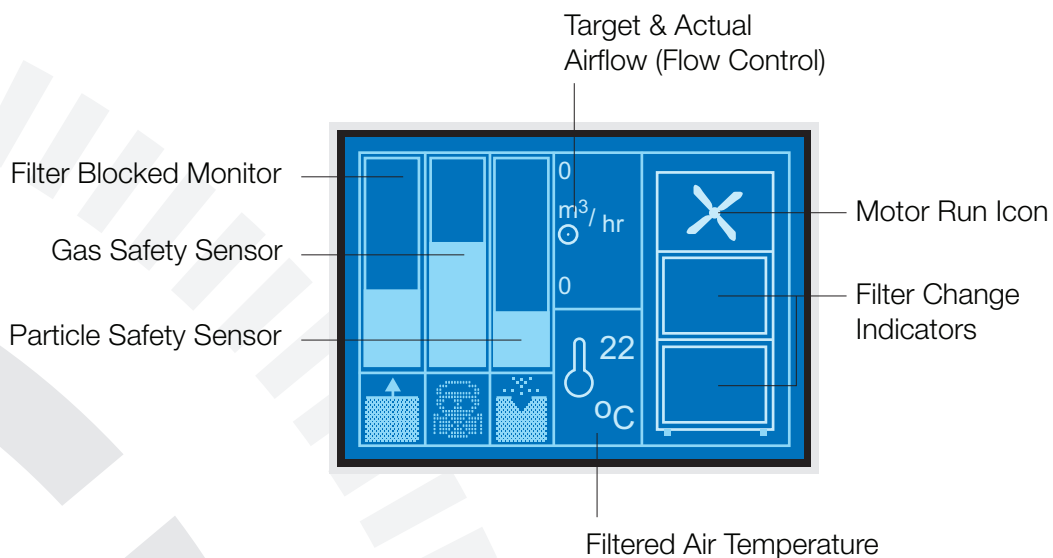


ON/OFF SWITCH

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 & 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	Particle Sensors	Speed Control	Flow Control
<p>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.</p> 	<p>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.</p> 	<p>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.</p> <p>This system is energy efficient as the motor does not have to constantly run at 100%. It also means the machine is quieter, uses less energy and the filters last longer.</p> 	<p>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.</p> 
Filter Status	Filter Indicator	Temperature	Interfacing
<p>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.</p> 	<p>If a filter is nearly blocked or if the gas or particle alarms are triggered, this icon will show which filters may need attention.</p> <p>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.</p> 	<p>An adjustable alarm to warn if the filtered air temperature goes above a certain level.</p> 	<p>Allows the Purex unit to communicate with associated equipment such as lasers or reflow ovens etc. Options:</p> <ul style="list-style-type: none"> • 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 

FEATURE LIST	Graphic Display	Gas Sensor	Particle Sensor	Filter Indicator	Temp Warning	Machine Interfacing	Speed Control	Flow Control	Filter Life Warning	Coated for PVC use	Air Compressor
150	●	●	●	●	●	■	●	●	●	■	■
200/400	●	●	●	●	●	■	●	●	●	■	■
200i/400i (inc HP)	●	●	●	●	●	■	●	●	●	■	■
400i PVC	●	●	●	●	●	■	●	●	●	●	■
800i 2-Tier	●	●	●	●	●	■	●	●	●	■	■
800i 3-Tier	●	●	●	●	●	■	●	●	●	■	■
1500i/2000i	●	●	●	●	●	■	●	●	●	■	■
5000i	●	●	●	●	●	■	●	●	●	■	■
Alphas (inc Dust)*	-	-	-	-	-	■	●	●	●	-	■
Xbase*	-	-	-	-	-	■	●	●	●	-	■
FumeCube*	-	-	-	-	-	■	●	●	●	-	-
FumeSafe*	-	-	-	-	-	-	●	●	●	-	-
2tiP*	-	-	-	-	-	-	●	-	●	-	-
FumeBuster*	-	-	-	-	-	-	-	-	●	-	-
Captivair*	-	-	-	-	-	-	-	-	●	-	-

■ Optional.

* Analogue control system only





Digital Systems




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

1	2	3	150 - Low Profile Unit			
Voltage	230V ± 10%					
Volume Control	080710					
Wattage	0.14 kW					
Frequency	50Hz / 60 Hz					
Cabinet height (inc castors)	445mm					
Cabinet width (not inc hose)	675mm					
Cabinet depth (not inc hose)	787mm					
Cabinet weight	60Kg					
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): F8/F9 Composite Code: 202276



5 Main filter

Options: Code:

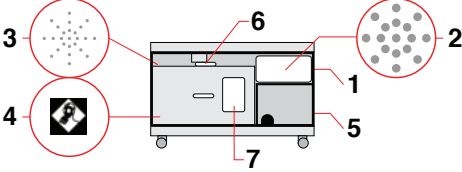
HEPA/Chemical (std)	I13505
HEPA/Twin Chemical	I13579
HEPA/Chemical Cleanroom	I13512
HEPA	I13809
Chemical	I13508
CSA	I13662
Pleated Bag	I13531




6 Connection Hose Kit

Process → Extractor

Laser Engraving **PAGE35**



Legend:

- 1) Air inlet.
- 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

7 Machine Interfacing (Optional)

Your Machine ↔ Extractor

- **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 43**

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 (see pg44)
- Accessories**
- Please see the accessories section at the back of this brochure.



200 & 400

What to specify...

1. Model

2. Voltage

3. Volume or Vacuum

4. Pre-filter


5. Main filter

6. Connection Kit

7. Interfacing Kit


	200		400	
1				
2				
3				
Voltage	230V ± 10%	120V ± 10%	230V ± 10%	120V ± 10%
Volume Control	0LX2100D	0LX2101D	0LX4000D	0LX4001D
Vacuum Control	080026D	081026D	080410D	080411D
Twin Port Volume Control	-	-	080742	080743
Wattage	0.45 kW	0.45 kW	1.2 kW	1.1 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: Pack of 4
Code: 202260

5 Main filter

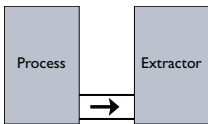


Options: HEPA/Chemical (std) | HEPA/Twin Chemical | HEPA/Chemical Cleanroom | HEPA | Chemical | CSA | Pleated Bag | Solvent Lock*
Code: 113505 | 113579 | 113512 | 113809 | 113508 | 113662 | 113531 | 113513

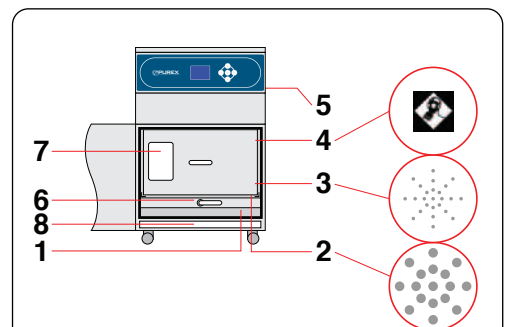
*** IMPORTANT!**
Must be specified for CIJ printing applications.



6 Connection Hose Kit



Coding & Marking **PAGE34**
Connect to Pipework/Machinery **PAGE36**
Connect to Soldering Irons **PAGE40**




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

7 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 43**

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 (except CIJ kit)
- 1 x Power cable (see pg44)

Accessories

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




200i & 400i

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

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	0.45 kW	0.45 kW	1.1 kW	1.2 kW	1.1 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

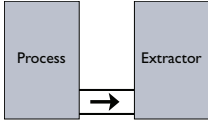
5 Main filter



Options:	Code:	Options:	Code:
HEPA/Chemical (std)	113505	Pleated Bag	113531
HEPA+/Chemical	113811	HEPA	113809
HEPA/Twin Chemical	113579		
HEPA/Chemical Cleanroom	113512		
Chemical	113508		
CSA	113662		

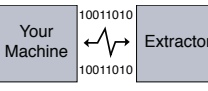


6 Connection Hose Kit



Coding & Marking	PAGE34
Laser Engraving	PAGE35
Connect to Pipework/Machinery	PAGE36
Connect to Soldering Irons	PAGE40

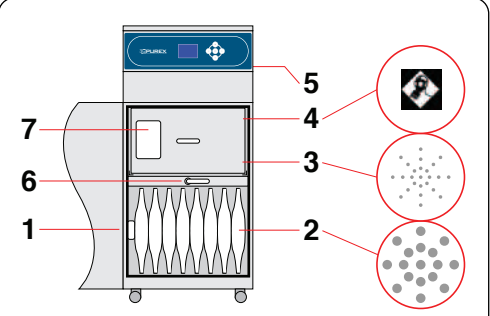
7 Machine Interfacing (Optional)



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 43**



Legend:
 1) Air inlet.
 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 (see pg44)

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



400i PVC

What to specify...

1. Model

2. Voltage

3. Pre-filter

4. Main filter

5. Connection Kit

6. Interfacing Kit

400i PVC		
1	2	
Voltage	230V ± 10%	120V ± 10%
Volume Control	0PV4010D	0PV4013D
Wattage	1.2 kW	1.1 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	<ul style="list-style-type: none"> • 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:
 F8/F9 Composite (Pack of 2)
 Chemical Absorbant Pad (Pack of 4)

Code:
 202271
 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.

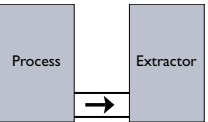
4 **Main filter**



Options:
 HEPA/PVC Chemical (std)

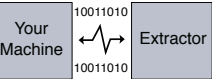
Code:
 113498

5 **Connection Hose Kit**



Please choose 100043C connection kit from **PAGE34**

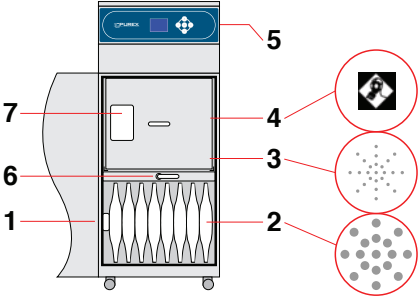
6 **Machine Interfacing (Optional)**



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 43**

Legend:

- 1) Air inlet.
- 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

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
- 4 x Absorbant Pads
- 1 x Power cable (see pg44)

Accessories

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



800i

What to specify...

1. Model

2. Voltage

3. Volume or Vacuum

4. Pre-filter


5. Main filter

6. Connection Kit

7. Interfacing Kit


1	2	3	800i - 2 Tier		800i - 3 Tier	
Voltage	230V ± 10%	120V ± 10%	230V ± 10%	120V ± 10%	230V ± 10%	120V ± 10%
Volume Control	080502D	080503D	080501D	080502D	080501D	080500D
Vacuum Control	080505D	080507D	080504D	080505D	080504D	080506D
Wattage	2.4 kW	2.2 kW	2.4 kW	2.2 kW	2.4 kW	2.2 kW
Frequency	50Hz / 60 Hz	50Hz / 60 Hz	50Hz / 60 Hz	50Hz / 60 Hz	50Hz / 60 Hz	50Hz / 60 Hz
Cabinet height (inc castors)	1143 mm	1143 mm	1143 mm	1143 mm	1143 mm	1143 mm
Cabinet width (not inc hose)	571 mm	571 mm	571 mm	571 mm	571 mm	571 mm
Cabinet depth (not inc hose)	670 mm	670 mm	670 mm	670 mm	670 mm	670 mm
Cabinet weight	80 Kg	80 Kg	90 Kg	90 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)	F6 (std) 202280	Chemical Absorbant Pad (Pack of 4)	200262
	F8/9 Composite 202272		
(3-Tier)	F8/9 Composite (std) 202273		

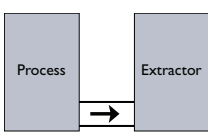
5 Main filter



Options:	Code:
(2-Tier)	HEPA/Chemical (std) or.. 113652
	HEPA/Twin Chemical or.. 113660
	HEPA/Chemical Cleanroom 113658
(3-Tier)	HEPA (std) and.. 113650
	Chemical (std) or.. 113651
	Solvent Lock* 113667

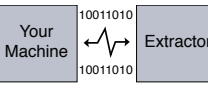
* IMPORTANT! Must be specified for CIJ printing applications.

6 Connection Hose Kit (Optional)



Coding & Marking (inc PVC)	PAGE34
Laser Engraving	PAGE35
Connect to Pipework/Machinery	PAGE36

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

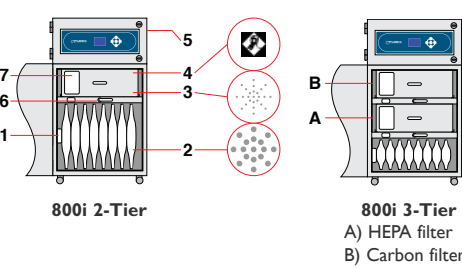
See **PAGE 43**



PVC Version Available

Air Compressor Available For This Model

Clean Air Cowl - I90039



800i 2-Tier

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

Legend:

- 1) Air inlet.
- 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

What to specify...

1. Model

2. Voltage

3. Volume or Vacuum

4. Pre-filter

5. Main filter

6. Connection Kit

7. Interfacing Kit

	1500i		2000i	
1	2	3		
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:
 F6 (std) Code: 111037
 F8/F9 Composite Code: 111099

PVC Options:
 Chemical Absorbant Pad (Pack of 4) Code: 200281

5

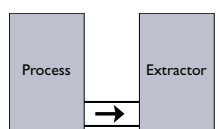
Main filter



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

6

Connection Hose Kit (Optional)



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 For PVC applications please contact us.

7

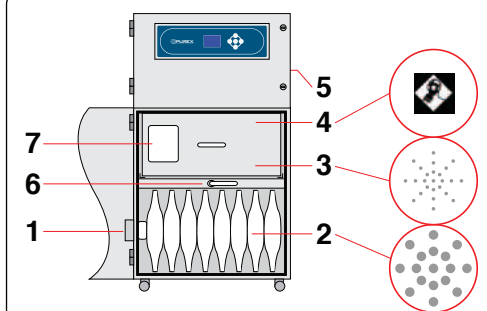
Machine Interfacing (Optional)



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 43**



- 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.

Intrinsically Safe Model Available

Includes remote PCB controller unit. Call for more information.



5000i

What to specify...

1. Model

2. Voltage

3. Volume or Vacuum

4. Pre-filter

5. Main filter

6. Connection Kit

7. Interfacing Kit

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.			

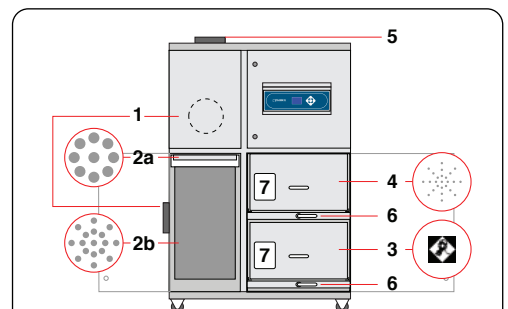
4	Pre-filter			
	1 - Labyrinth (Side Inlet)			
	<i>Options:</i>	<i>Code:</i>	<i>PVC Options:</i>	<i>Code:</i>
	F8/F9 Composite Tagged (std)	111006	Chemical Absorbant Pad (Pack of 4)	200312
	F8	111072		
	2 - Pleated Bag (Rear Inlet)			
	<i>Options:</i>	<i>Code:</i>	<i>PVC Options:</i>	<i>Code:</i>
	Pre-filter Pad (Pack of 4) and... Pleated Bag Filter	200310 111144	Chemical Absorbant Pad (Pack of 4)	200312



5	Main filter			
	<i>Options:</i>	<i>Code:</i>	<i>Options:</i>	<i>Code:</i>
	HEPA (std) and... Chemical (std) or... Pleated Bag	110633 110627 110645	Heavy Duty Chemical	110624
	<i>For applications where high levels of solvent are used or when lasing acrylic.</i>			

(!) Please note the 5000i requires 2 main filters.

6	Connection Hose Kit (Optional)	
	Call Purex or your local distributor for more information.	



Legend:

- 1) Air inlet (Left or Rear).
- 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.

Note:

- 2a) Prefilter pad
- 2b) Pleated Bag Filter
- Alternatively a Labyrinth filter can be supplied.

All machines are mounted on four castors for increased mobility.

† Standard Filter Only

7	Machine Interfacing (Optional)	
	<ul style="list-style-type: none"> • 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 	
Allows the Purex system to interface with a piece of equipment connected to it.	See PAGE 43	

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...

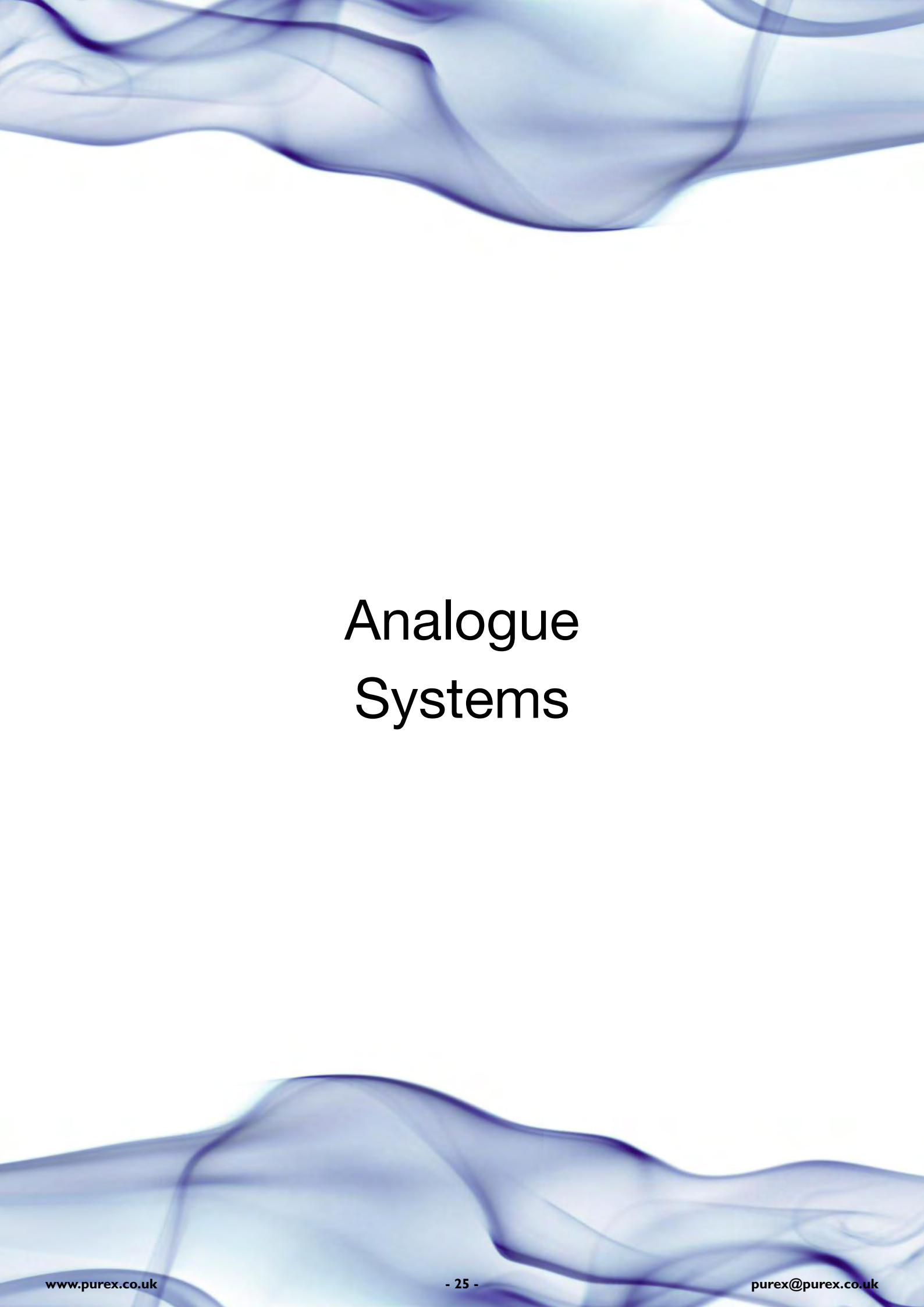
- Automatic electronic flow control - maintains a constant extraction rate even as the filter blocks
- Adjustable airflow
- Clear and informative graphic display
- Gas and Particle Sensors on the exhaust
- Low capital and running costs
- Quick change patented Labyrinth or standard pre-filters deliver 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



Alpha & Alpha Dust

What to specify...

1. Model

2. Voltage

3. Pre-filter


4. Main filter

5. Connection Kit

6. Interfacing Kit


	200		400	
1				
2				
Voltage	230V ± 10%	120V ± 10%	230V ± 10%	120V ± 10%
Vacuum Control	0AL2102	0AL2103	0AL4102	0AL4103
Dust Version 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	Code:	Dust Version	Code:
Options: (Pack of 2) F6 (std)	202269	Options: (Pack of 2) F6 (std)	202268
F8/F9 Composite	202274	F8/F9 Composite	202271

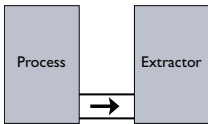
4 Main filter



Options:	Code:	Options:	Code:
HEPA/Chemical (std)	113505	Chemical	113508
HEPA/Twin Chemical	113579	Pleated Bag	113531
HEPA/Chemical Cleanroom	113512	CSA	113662
HEPA	113809		

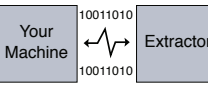
NOTE: No main filters are required for the dust version.

5 Connection Hose Kit



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6 Machine Interfacing (Optional)

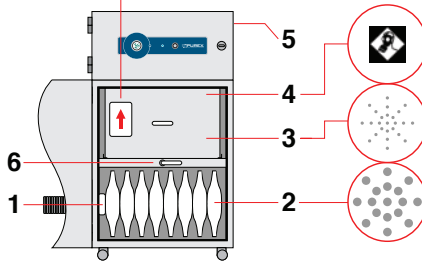


- Start/Stop Control:** Extraction unit starts/stops when a connected piece of equipment is switched ON/OFF.
- Filter Blocked Warning:** A signal is sent to a connected piece of equipment to trigger an alert or to shut it down.
- Remote ON/OFF Switch:** 5M cable & switch

See **PAGE 43**



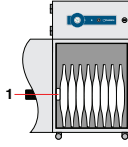
7



Legend:
 1) Air inlet.
 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 (see pg44)

Note: Alpha Dust does not contain a main filter.

Accessories

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



Xbase

What to specify...

1. Model

2. Voltage

3. Pre-filter

4. Main filter

5. Connection Kit

6. Interfacing Kit

	200		400	
1				
2				
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)
F8/F9 Composite

Code:
202275

4

Main filter



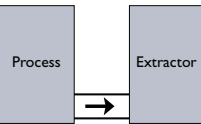
Options:
HEPA/Chemical (std)
HEPA/CSA

Code:
110545
113585



5

Connection Hose Kit



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6

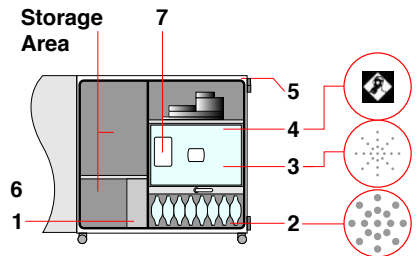
Machine Interfacing (Optional)



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 43**



Legend:

- 1) Air inlet.
- 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 (see pg44)

Accessories

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



FumeCube

What to specify...

1. Single or Dual Arm System

2. Voltage


3. Pre-filter

4. Main filter

6. Interfacing Kit

1	2	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:
F5 Pack of 4 (std)
F6 Pack of 4

Code:
200225
200226

4 Main filter



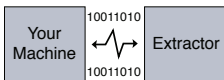
Options:
HEPA/Chemical (std)
Chemical
HEPA/Chemical Cleanroom

Code:
110536
110537
110538

Note: FumeCubes sold prior to December 2008 may require different filters. Please contact your local distributor for advice.



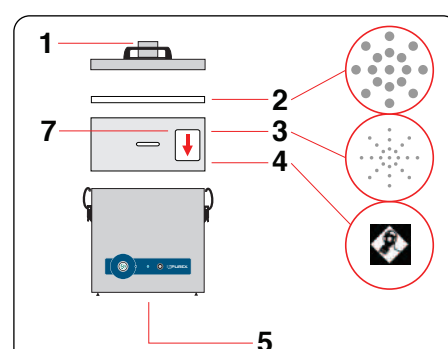
6 Machine Interfacing (Optional)



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 43**



- Legend:**
- 1) Air inlet.
 - 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 (see pg44)

Accessories

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



FumeBuster

What to specify...


1. Voltage


2. Pre-filter

3. Main filter

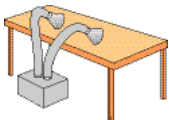

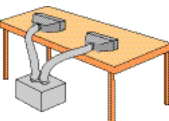


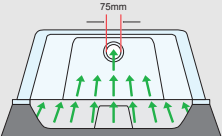
4. Capture Kit (For one or two stations)

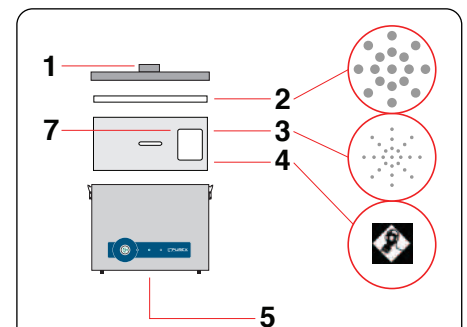
1	Machine Only	
Voltage	230V ± 10%	115V ± 10%
Vacuum Control	070362	070363
Wattage	0.3 kW	0.3 kW
Frequency	50Hz	60 Hz
Cabinet height (inc castors)	350 mm	350 mm
Cabinet width (not inc hose)	425 mm	425 mm
Cabinet depth (not inc hose)	415 mm	415 mm
Cabinet weight (inc filters)	25 Kg	25 Kg
Construction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

2	Pre-filter Pad	
	Options: F5 Pack of 4 (std) F8/F9 Pack of 4	Code: 200314 200098

3	Main filter	
	Options: HEPA/Chemical (std) Chemical HEPA/Chemical Cleanroom Solvent Lock	Code: 110531 110532 110533 110541



4	Capture Kit (Optional)	
	1 x 1.2m x 75mm Ø flexible arm + 1 x Conical cowl Code: 100181	
	1 x 1.5m x 75mm Ø flexible hose + 1 x Anti-static plenum cowl (black) Code: 100182	
	1 x 1.5m x 75mm Ø flexible hose (includes 2 x hose clips) + 1 x Cleancab extraction cabinet Code: 100183	



Legend:

- 1) Air inlet.
- 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.
All machines are constructed of corrosion resistant stainless steel.

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 (see pg44)

Accessories

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




3-15 Tip Fume Extraction Unit

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 Options:
F8/F9 Pack of 4
Code: 200098

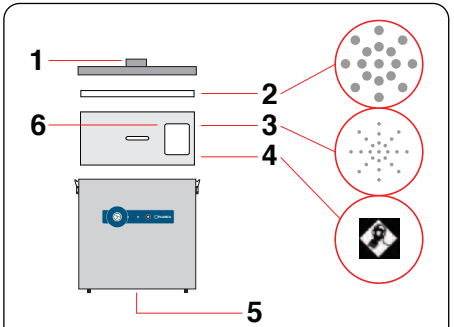
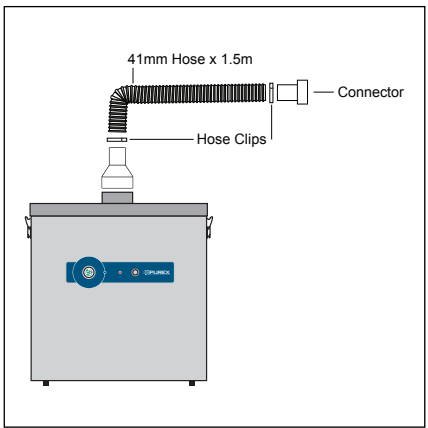
Exhaust Filter Options:
Single
Code: 200093



4 Replacement Main filter



Options:
HEPA/Chemical (std)
Code: 110531



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

Supplied with connection kit, pipe work and 3 iron kits.

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.

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 (see pg44)
 - 1 x Connection kit
 - 1 x Pipework kit
 - 3 x Tip kits

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



2 Tip Fume Extraction Unit

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: F5 Pack of 4 (std)
F6 Pack of 4

Code: 200225
200226

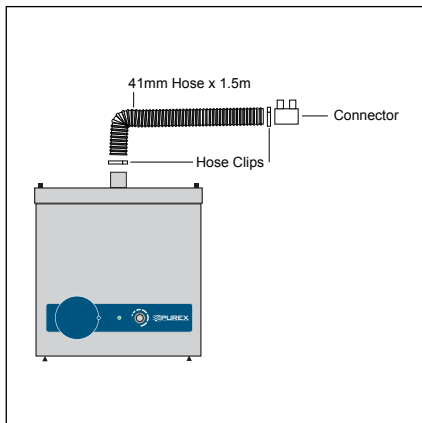
4

Replacement Main filter



Options: HEPA/Chemical (std)

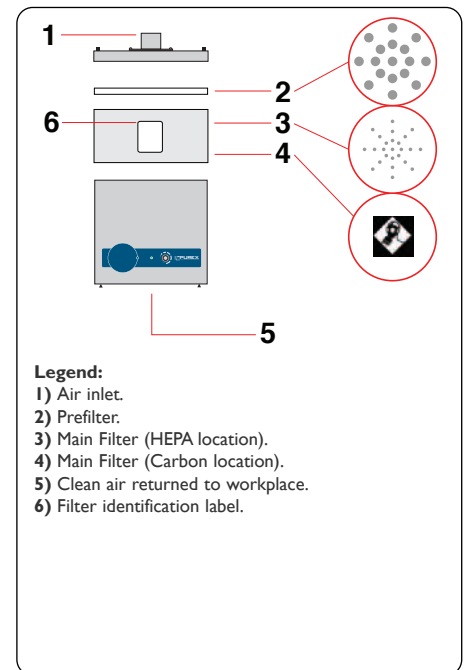
Code: 110507



Supplied with connection kit.



Options: Iron kits



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 (see pg44)
- 1 x Connection kit
- 1 x End cap

Accessories

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



What to specify...

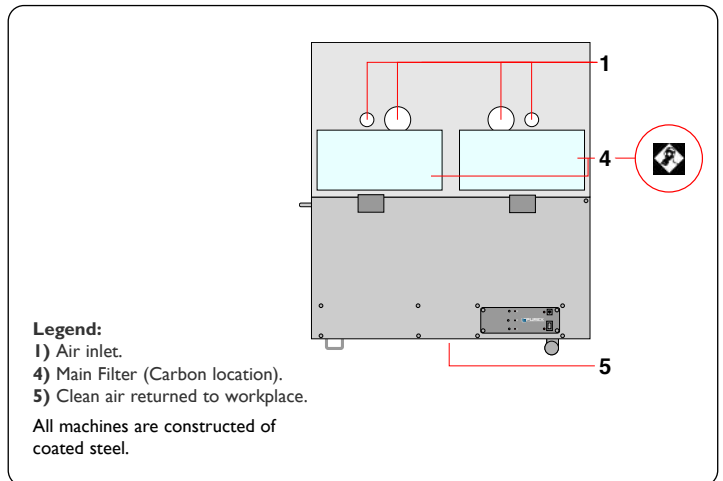
Model

Voltage

2

Captivair Max

	230V ± 10%	120V ± 10%		
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		



Printer Model		Machine Part No.		Machine Type	Connection Kit	Hood	Manifold	Pre-Filter	Main Filter
		230V	120V						
Mimaki Roland	JV33-130SP	080703	080702	CaptivairMAX	120309	120311	120313	-	113800
	AdvancedJet AJ-1000	080703	080702	CaptivairMAX	120307	120308	-	-	113800
	AdvancedJet AJ-740	0LX4000D	0LX4001D	400	120188	120299	-	113505	202260
	VersaUV LEC-300	0AL4102	0AL4103	Alpha 400	100019	120089	-	113505	202269
Seiko	ColorPainter H-74s	080703	080702	CaptivairMAX	120303	120314	120322	-	113800
	ColorPainter H-104s	080703	080702	CaptivairMAX	120303	120314	120322	-	113800
	ColorPainter V-64s	080740	080741	400 (Twin Port)	120297	-	-	113508	202260

Capture Kits Available for Other Printers. Contact Purex or your local distributor for more information.

3

Main filter (Included)



Description:
 Chemical (refillable)
 Refill for 113800

Code:
 113800
 113805

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

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:

- 1 or 2 x Main filters
- 1 x Power cable (see pg44)

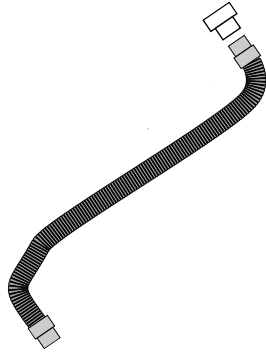


Accessories

Coding/Marking Connection Kits

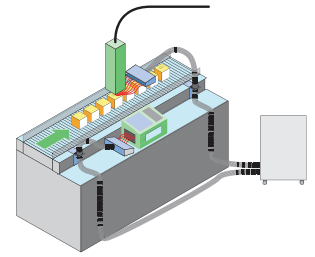
50mm anti static inkjet connection hose (3m)

Ø 50mm
 2 x earth strap 6mm
 1 x 3m x 50mm antistatic hose
 2 x 51mm antistatic cuffs
 1 x 80mm to 51mm reducer
 Code: 100026
 Units: 200/400



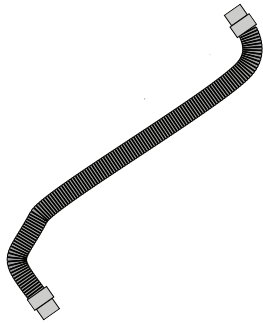
50mm twin head anti static inkjet connection kit (3m)

These are bespoke kits. An example is shown on the right. Contact us for more information.



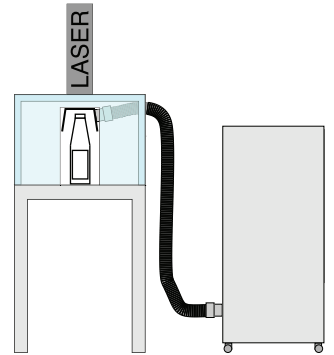
51mm FumeCube kit (2m)

Ø 51mm
 1 x 2m x 51mm flexible hose
 2 x 51mm cuffs
 Code: 120117
 Units: FumeCube



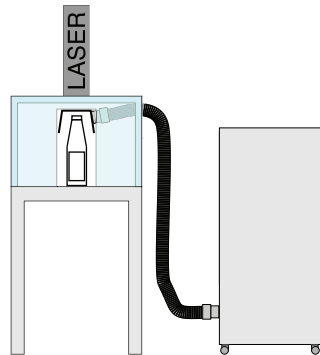
51mm single head coding kit (3m)

Ø 80mm to Ø 51mm
 1 x 80-51mm reducer
 1 x 3m x 51mm flexible hose
 2 x 51mm cuffs
 Code: 100032
 Units: Alpha, 200/400, 200i/400i



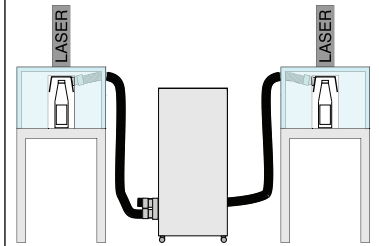
51mm single head coding kit (6m)

Ø 80mm to Ø 51mm
 1 x 80-51mm reducer
 1 x 6m x 51mm flexible hose
 2 x 51mm cuffs
 Type Code:
 Std 100043
 PVC* 100043C
 Units: Alpha, 200/400, 200i/400i(PVC)
 * coated reducer suitable for PVC



51mm twin head coding kit (6m)

Ø 80mm to Ø 51mm
 (Use with 100043 or 100043C)
 1 x dual manifold assembly(120093C)
 1 x 6m x 51mm flexible hose
 2 x 51mm cuffs
 Code: 100039 *
 Units: Alpha, 200/400, 200i/400i(PVC)
 * also suitable for PVC applications.



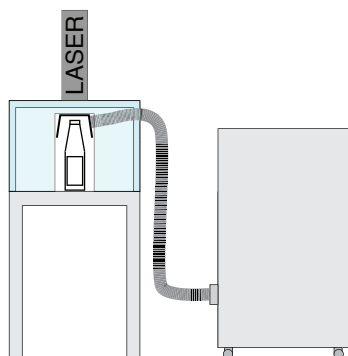
51mm coding extension kit (6m)

Ø 51mm
 1 x coupling
 1 x 6m x 51mm flexible hose
 2 x 51mm cuffs
 Code: 100037*
 Units: Alpha, 200/400, 200i/400i
 * also suitable for PVC applications.



100mm single head coding kit (3m)

Ø 100mm.
 1 x 3m x 100mm flexible hose
 2 x 90-120mm hose clips
 Code: 100107*
 Units: 800i
 * also suitable for PVC applications.



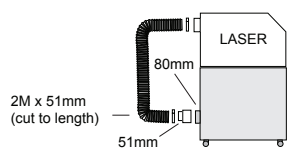


Engraving Connection Kits

51mm engraving kit (2m)

- 1 x 80-51 mm reducer
- 1 x 2m x 51mm flexible hose
- 2 x 45-60mm hose clips

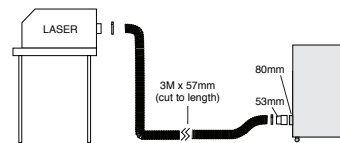
Code: 100019
Units: Xbase



57mm engraving kit (3m)

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

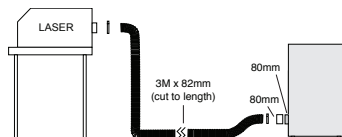
Code: 120285
Units: Alpha, 200i/400i



82mm engraving kit (3m)

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

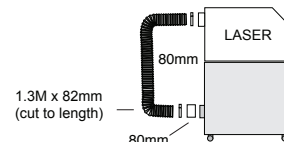
Code: 120299
Units: Alpha, 200i/400i



82mm engraving kit (1.3m)

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

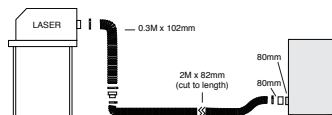
Code: 120293
Units: Xbase



102mm engraving kit (2.3m)

- 1 x 80mm female coupling
- 2 x 70-90mm hose clips
- 1 x 2m x 82mm flexible hose
- 1 x 100-82mm reducer
- 1 x 0.3m x 102mm flexible hose
- 2 x 90-120mm hose clips

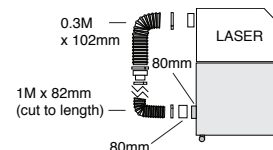
Code: 120288
Units: Alpha, 200i/400i



100mm engraving kit (1.3m)

- 1 x 80mm female coupling
- 2 x 70-90mm hose clips
- 1 x 1m x 82mm flexible hose
- 1 x 100-82mm reducer
- 1 x 0.3m x 102mm flexible hose
- 2 x 90-120mm hose clips

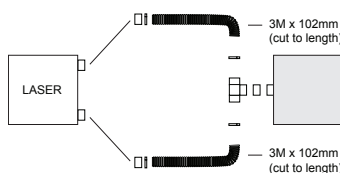
Code: 120292
Units: Xbase



100mm engraving kit (3m)

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

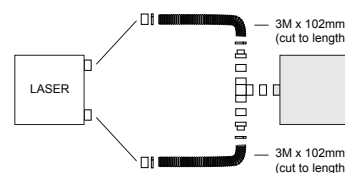
Code: 120291
Units: 800i



100mm engraving kit (3m)

- 1 x 150mm female coupling
- 1 x 150mm equal tee
- 2 x 150 female couplings
- 2 x 150-100mm reducers
- 2 x 90-120mm hose clips
- 2 x 3m x 102mm flexible hose
- 2 x 90-120mm hose clips
- 2 x 100mm female couplings

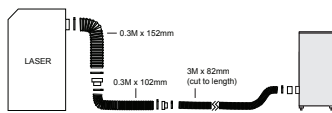
Code: 120287
Units: 1500i/2000i



150mm engraving kit (3.3m)

- 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 102mm flexible hose
- 2 x 90-120mm hose clips
- 1 x 150-100mm reducer
- 1 x 0.3m x 152mm flexible hose
- 2 x 130-160mm hose clips

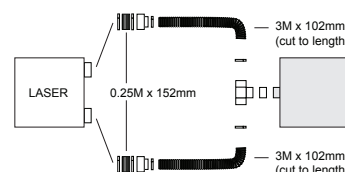
Code: 120289
Units: Alpha, 200i/400i



150mm engraving kit (3m)

- 1 x 100mm female coupling
- 1 x 100mm equal tee
- 4 x 90-120mm hose clips
- 2 x 3m x 102mm flexible hose
- 2 x 150-100mm reducers
- 2 x 0.25m x 152mm flexible hose
- 4 x 135-165mm hose clips

Code: 120294
Units: 800i





Pipework

Machine to Pipework Connections (for Alpha, 200, 200i & 400, 400i series)

	Ø 32mm	Ø 50mm	Ø 82mm
	1 x 80-34mm reducer - 550283 1 x 1.5m x 41mm flexible hose - 570040 1 x Half straight connector - 520020 1 x 40mm connecting pipe 2 x 35-50mm hose clips - 580620 Code: 100170	1 x 80-53.5mm reducer - 550280 1 x 2m x 57mm flexible hose - 570050 2 x 45-60mm hose clips - 580630 Code: 100180	1 x 80mm female coupling - 540025 1 x 1.2m x 82mm flexible hose - 570053 2 x 70-90mm hose clips - 580650 Code: 120262

Pipework					
Ø 32mm		Ø 50mm		Ø 82mm	
3.0m straight pipe 500050 - Grey 500055 - Black ABS		3.0m straight pipe 520000 - Grey 520300 - Black ABS		3.0m straight pipe 530110 - Grey	
Straight connector 500060 - Grey 500065 - Black ABS		Straight connector 520020 - Grey 520330 - Black ABS		Straight connector 530170	
45° bend 500070 - Grey		45° bend 520070 - Grey		45° bend single socket 530180	
90° bend 500080 - Grey 500090 - Black ABS		90° bend 520080 - Grey 520130 - Black ABS		90° bend single socket 530190	
Swept 'T' 500100 - Grey 500110 - Black ABS		Swept 'T' 520120 - Grey 520320 - Black ABS		Swept 'T' 530210	
End blank 500120 - Grey 500130 - Black ABS		End blank 520170		Socket plug 530220	
Pipe clip 500180		Pipe clip 520180		Pipe clip 530120	
		Pipe reducer (50-32mm) 520150		Pipe reducer (82-50mm) 530200	
				82mm Strap boss 530160	
				50mm Boss adaptor 530150	



Pipework

Machine to Pipework Connections (for 800i, 1500i, 2000i & 5000i series)

800i series (Ø100mm)
1500i, 2000i series (Ø150mm)
5000i series (Ø200mm)

Contact Purex or
your local agent for
advice.

	Ø 100mm	Ø 150mm	Ø 200mm
	Connection kit 800i 1 x 100mm female coupling - 540120 1 x 1.5m x 100mm flexible hose - 570060 2 x 90-120mm hose clips - 580660 Code: 120270	Connection kit 1500i/2000i 1 x 150mm female coupling - 540320 1 x 150mm male coupling - 540315 1 x 1.5m x 150mm flexible hose - 570070 2 x 135-160mm hose clips - 580670 Code: 120280	Connection kit 5000i Made to order, contact your local distributor. 1 x 200mm female coupling - 540701 1 x 200mm male coupling - 540610 1 x 1m x 200mm flexible hose - 570071 2 x 200mm hose clips - 580675 Code: Contact us.

Pipework

	Ø 100mm Galvanised	Ø 150mm Galvanised	Ø 200mm Galvanised
	3.0m spiral pipe 540100	3.0m spiral pipe 540300	3.0m spiral pipe 540600
	90° bend 540133	90° bend 540345	90° bend 540620
	45° bend 540130	45° bend 540333	45° bend 540622
	30° bend 540129	30° bend 540328	
	Equal 'T' 540145	Equal 'T' 540337	Equal 'T' 540630
	End cap 540161	End cap 540400	End cap 540402
	'U' bracket saddle 540190	'U' bracket saddle 540450	'U' bracket saddle 540891
	Butterfly valve 540185	Butterfly valve 540440	Butterfly valve 540439
	Pipe reducer (100mm-80mm) 540150	Pipe reducer (150mm-100mm) 540382	Pipe reducer (200mm-150mm) 540640
	ENERGY Valve - Alternating Shut Off (100mm) Special		ENERGY Valve - Alternating Shut Off (200mm) 540684



Arms & Accessories

38mm x 1m Stainless Steel Flexible Arm Kit



Capture Apparatus Included

- 1 x 38mm x 1m stainless steel flexible arm - 120135
- 1 x Clamped bench bracket - 120180
- 1 x Pen-nib nozzle (38mm ID) - 840170
- 1 x Conical cowl (95mm ID) - 840190
- 1 x 51mm x 2m flexible hose with 2 connecting cuffs - 120117
- 1 x Support collar and valve - 840047


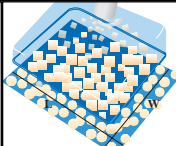

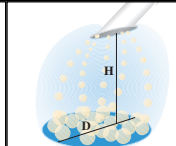

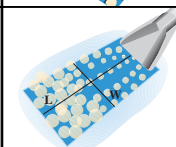

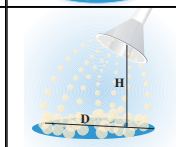
Replacement parts available if required.



Code: 100295

38mm Spares and Accessories



Capture Apparatus (Optional)

	Clear hood cowl (265 x 310mm) Code: 840160	Max W x L 300 x 200mm			Pen Nib Nozzle (38mm ID) Code: 840170	Max D x H 180 x 190mm	
	Delta cowl (192 x 5mm inlet) Code: 840182	Max W x L 200 x 150mm			Conical Cowl (95mm ID) Code: 840190	Max D x H 190 x 200mm	



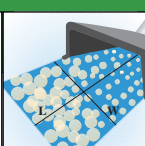
Fittings (Optional)

	Screwed bench bracket Code: 840200			Clamped bench bracket Code: 120180	
	Wall bracket Code: 840210			Bench support collar and valve Code: 840047	

Replacement 38mm x 1m Stainless Steel Flexible Arm

	Build This is a high quality stainless steel replacement arm to fit the plastic BOFA push fit system arms. 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		

Plenum Cows

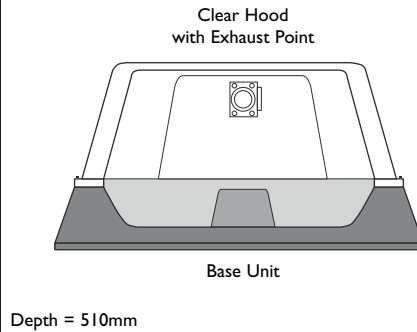
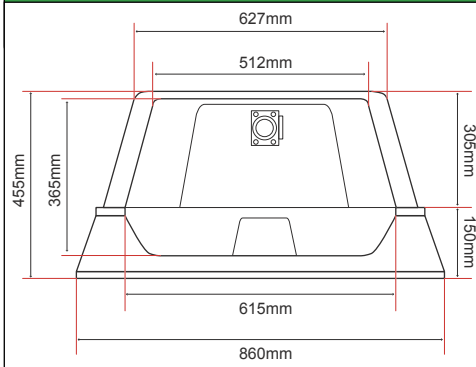
	Plenum cowl Anti static polycarbonate (black) Includes 50mm valve collar assembly Code: 120703		Plenum cowl Anti static polycarbonate (clear) Includes 50mm valve collar assembly Code: 120704		Max W x L 300 x 400mm
--	--	---	--	---	---------------------------------

Connection kits with 51mm cuffs are suitable for 50mm valves



Arms & Accessories

CleanCab Enclosed Extraction Unit



Complete Kit		Hood Only		Base Only	
	Includes: Base Open Hood 50mm Airflow valve Code: 840150		Includes: Open Hood 50mm Airflow valve Code: 840159		Includes: Base Code: 840152
	Includes: Base Open Hood 75mm Exhaust port Code: 840155		Includes: Open Hood 75mm Exhaust port Code: 840171		Includes: Base Code: 840152
	Includes: Downdraught Base Perforated steel plate Open Hood Code: 840164		Includes: Open Hood Code: 840151		Includes: Downdraught Base Perforated steel plate Code: 840161

Connection kits with 51mm cuffs are suitable for 50mm valves - for 75mm exhaust port use kit 100185

100 and above Flexible Arm

Larger extraction arms are available please contact us for more information.

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 for corrosive fumes.	120093C





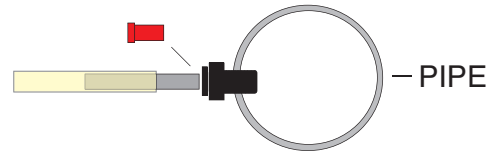
Tip Kits & Accessories

Pipework to Iron Kit Connection

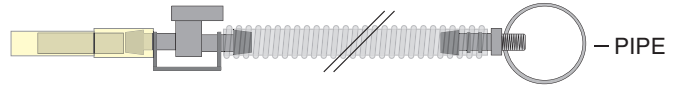
This kit is used to connect the rigid pipework to the iron kit. Includes:

- 1 x 1.5m x 5mm ID x 1.5mm wall clear silicone hose (560010)
- 1 x 0.04m x 8mm ID x 2mm wall clear silicone hose (560060)
- 1 x 1m x 13mm flexihose (570000)
- 1 x Adaptor 12mm hose 3/8BSP (580035)
- 1 x Adaptor 8mm hose 1/4BSP (580070)
- 1 x ON/OFF tap (580080)
- 1 x ON/OFF tap bracket (580090)
- 1 x 8mm red blank (580130)
- 1 x 8mm Connector hose stem (580210)
- 1 x Adaptor tube 65mm L - 8mm Dia (580300)
- 2 x Hose clip 15mm (580500)

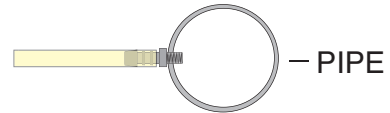
Code: **300002**



Example 1.



Example 2.



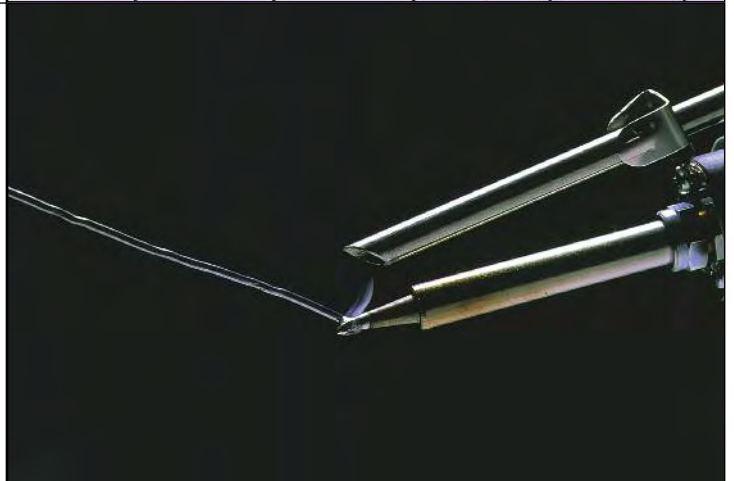
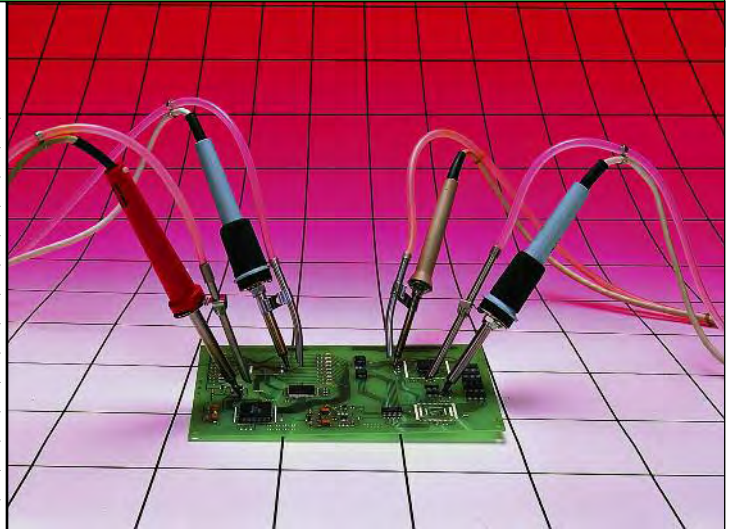
Example 3.

Universal Iron Kit

This kit is used to connect the iron to the above. Includes:

- 1 x 1.5m x 5mm ID x 1.5mm wall clear silicone hose (560010)
- 1 x screw in adaptor (8mm hose, M10) (580010)
- 4 x 8mm Ø hose clips (580521)
- 1 x universal iron stand (830007)
- 1 x soldering iron stand (830008)
 - 1 x cup standard iron (830000)
 - 1 x cup metcal iron (830005)
- 1 x extraction tube clip weller (830040)
- 1 x extraction tube clip metcal/mini weller (830050)
- 1 x extraction tube clip universal (830065)
- 1 x 6mm Ø x 100mm extraction tube weller (830110)
- 1 x 6mm Ø x 135mm extraction tube metcal (830112)
- 1 x 6mm Ø x 225mm extraction tube universal (830135)

Code: **300001**





Inline Units

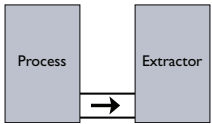
What to specify...

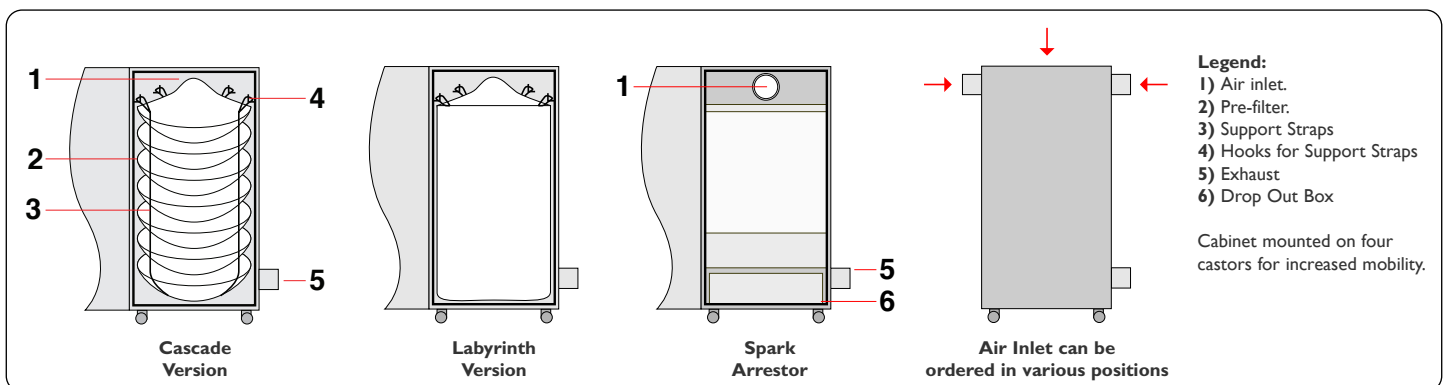
Pre-filter

Connection Kit

1	Cascade	Spark Arrestor
Part number	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	Spark Arrestor
	<p>Description: Needlefelt Cascade Code: 111107 or</p> <p>Description: Labyrinth F8/F9 Composite Code: 111117</p>  <p>Cascade Version Shown</p>	<p>Description: Supplied with a collection tray</p> 

3	Connection Hose Kit
	<p>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</p> <p>Code: 100184</p>



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.



Machine Interfacing

4 way Mini Bulgin



Code: 105097 (5M cable)

ALARM
PINS 1 + 2 = VOLT FREE ALARM OUTPUT CONTACTS

REMOTE START
VOLT FREE CONTACTS REQUIRED TO OPERATE
PIN 3 = REMOTE START INPUT SIGNAL
PIN 4 = +12V DC

5 way XLR Neutric



Code: 105105 (5M cable)

ALARM
PINS 1 + 4 = VOLT FREE ALARM OUTPUT CONTACTS

REMOTE START
VOLTAGE SIGNAL REQUIRED TO OPERATE
PIN 2+3 (LINKED) = REMOTE START INPUT SIGNAL
PIN 5 = 0V DC

6 way Bulgin

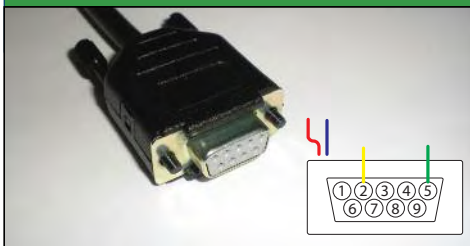


Code: 105103 (5M cable)

ALARM
PINS 1 + 4 = VOLT FREE ALARM OUTPUT CONTACTS

REMOTE START
VOLT FREE CONTACTS REQUIRED TO OPERATE
PIN 3 = REMOTE START INPUT SIGNAL
PIN 5 = +12V DC
PIN 2 + 6 = NOT USED

9 way D-type

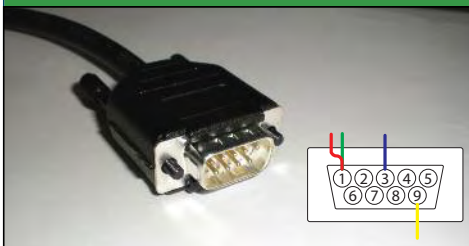


Code: 105106 (5M cable)

ALARM
NO ALARM OUTPUT

REMOTE START
VOLTAGE SIGNAL REQUIRED TO OPERATE
PIN 2 = 0V DC
PIN 3 = +12VDC / +24VDC REMOTE START INPUT SIGNAL

9 way D-type

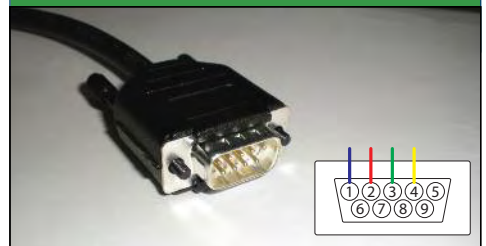


Code: 105107 (5M cable)

ALARM
PIN 3 = +12VDC / +24VDC ALARM OUTPUT

REMOTE START
VOLTAGE SIGNAL REQUIRED TO OPERATE
PIN 1 = REMOTE START INPUT SIGNAL
PIN 9 = 0V DC

9 way D-type

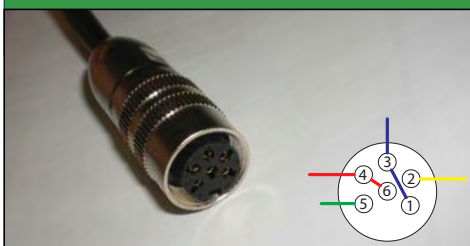


Code: 105104 (5M cable)

ALARM
PINS 1 + 2 = VOLT FREE ALARM OUTPUT CONTACTS

REMOTE START
VOLT FREE CONTACTS REQUIRED TO OPERATE
PIN 3 = REMOTE START INPUT SIGNAL
PIN 4 = +12V DC

6 way Lumberg



Code: 105096 (5M cable)

ALARM
PINS 1 + 6 = VOLT FREE ALARM OUTPUT CONTACTS
PINS 3 + 4 = VOLT FREE ALARM OUTPUT CONTACTS

REMOTE START
VOLTAGE SIGNAL REQUIRED TO OPERATE
PIN 5 = +12VDC / +24VDC REMOTE START INPUT SIGNAL
PIN 2 = 0V DC INPUT

7 way Lumberg

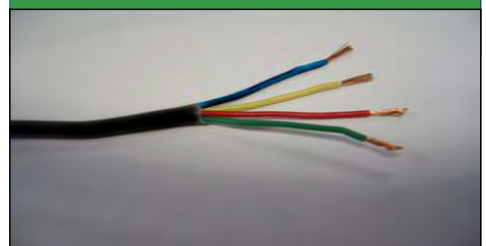


Code: 105098 (5M cable)

ALARM
PINS 3 + 4 = VOLT FREE ALARM OUTPUT CONTACTS

REMOTE START
VOLTAGE SIGNAL REQUIRED TO OPERATE
PIN 1 = +12VDC / +24VDC REMOTE START INPUT SIGNAL
PIN 2 = 0V DC INPUT
PIN 5 + 6 = LINKED
PIN 7 = NOT USED

No Connector



Code: 105108 (5M cable)

Yellow and green wires = remote start stop
Volt free contacts required to close these wires to start (+12VDC signal)

Red and blue wires = alarm signal
Output via a set of volt free contacts inside Purex extractor

Remote ON/OFF Switch



Code: 105114 (5M cable)




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.



Power Plug Options

FumeCube, FumeBuster, FumeSafe, 2tiP and Captivair

Are supplied with a 2m long detachable cable with a choice of plug.

USA/ASIA 120V	UK	Europe	No Plug
			Bare wire only.
Code: 410125	Code: 410100	Code: 410127	Code: 410120

I50, 200/400, 200i/400i, 400iPVC, Alpha, Xbase

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

USA/ASIA 120V	USA/ASIA 230V	UK	Europe
			
Code: 410160	Code: 410161	Code: 410162	Code: 410163
Australia	No Plug		
	Bare wire only.		
Code: 410164	Code: 410165		

800i, 1500i, 2000i, 5000i

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



Replacement Fuses

Code: 410246 (For 200, 200i - 120V) & (400, 400i & 400iPVC - 230V)
 Code: 410271 (For 400, 400i & 400iPVC - 120V)
 Code: 410276 (For 200, 200i - 2300V)

Electrical installations should only be carried out by a qualified person.



Order Form

To help us process your order quickly please ensure that all details marked * are completed in full.

Company Name		Contact*			
Telephone*		Email*			
Fax		Purchase Order Number*			
Invoice Address*		Delivery Address* (If Different)			
Address 1					
Address 2					
Town/City					
County					
Zip/Post Code					
Country					
VAT Number		Currency (Please circle)	GBP	EUR	USD

Ordering Checklist Where Appropriate...	1. Machine	2. Pre-filter/s	3. Main filter/s	4. Connection Kit	5. Interfacing Kit	6. Accessories	7. Power Cable
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Part Number*	Description	Unit Price*	Quantity*	Net Total
			Sub Total Goods	
			Carriage & Packing	
			Sub Total Ex VAT	
			VAT	
			Total	

Special Instructions

Please note: Customers are free to use their own collection and delivery service if required by completing the table below. Alternatively, Purex can provide delivery costs on request.

Own Carrier (Please circle)	YES/NO		
Name of Carrier		Telephone Number	
Carrier Account Number		Service Type	



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 that Purex may accept or reject. 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 Purchaser'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 specification, submitted by the Purchaser, and for giving to Purex 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 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 be liable to pay interest to Purex on such sum from the due date for payment at the annual 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, whether before or after any judgement. 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 makes payment in full together with any applicable interest.

4. Delivery

4.1 Delivery of the Goods shall unless otherwise agreed be made by Purex delivering the Goods to the location specified in the Purchaser's order or by the Purchaser collecting the Goods at Purex's premises.

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 in writing to Purex of any apparent defects and/or shortages. 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, Purex shall retain title to and ownership of the Goods until it has received payment in full of all sums due 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 enter 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 set out in Clause 8.2 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 including replacement filters : 3 months from installation or 4 months from despatch Used and ex-demonstration equipment: 3 months from installation or 4 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 the Purchaser has paid to Purex in respect of such Goods. Purex shall be under no liability under the above warranties:

6.1.1 arising from any drawing, design or specification supplied by the Purchaser;

6.1.2 arising from improper installation, storage, use, modification or operation including but not limited to the use of consumable items not approved by Purex;

6.2 Goods manufactured by third parties : Purex will use its best endeavours to obtain for the purchaser the benefit of any warranty provided by the original manufacturer of the Goods. Repair or replacement, in whole or in part, of Goods which fail due to faulty manufacture is available from the original manufacturer under its warranty. 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 28 days from the date upon which the Returns Authorisation Number is issued and Purex agree following testing / inspection that these are defective, a credit note will be issued.

6.4 Services : Purex warrants that it will carry out the Services with reasonable care and skill. If Purex is shown to be in breach of this warranty in respect of particular Services it shall at its option and cost either re-provide those Services or refund any sums already paid in respect of those Services.

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 of the Contract for the purposes of the Contracts (Rights of Third Parties) Act 1999.

6.10 Purex and third party Software

6.10.1 Software is licensed (or sublicensed, in case of third party Software) by Purex to the Purchaser.

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

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

6.10.4 Purex warrants that any third party Software will perform in substantial compliance with the Software documentation issued by the original manufacturer of the Software and for the period specified therein.

6.10.5 Purex (and, where applicable, the original manufacturer of the Software) do not warrant that the functions contained in the Software will meet Purchaser's requirements or operate in the combination that may be selected for use by Purchaser; that the operation of the Software will be uninterrupted or error-free or that all defects in the Software will be corrected.

6.10.6 The entire liability of Purex (and, where applicable, of the original manufacturer of the Software) shall be, at Purex's option, either :

(a) Return of all sums paid by the Purchaser for the Software, or

(b) Replacement of the Software or media that does not meet Purex or the original manufacturer limited warranty and which is returned to Purex under its return policy.

6.10.7 Any replacement Software or media will be warranted for the remainder of the original warranty period or 30 days, whichever is longer.

7. Force Majeure

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 of 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 or threatens to cease 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 or all of its obligations under the Contract and to assign the Contract and the Customer shall at Purex's cost do all such things as may be necessary to enable Purex to so assign the Contract. Any failure or neglect by Purex to enforce at any time any provision of the Contract shall not be construed nor deemed to be a waiver of any of Purex's 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.

“Protecting People and the Environment with Innovative Technology”

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