Digital Systems

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.			

Built in Air Compressor Included

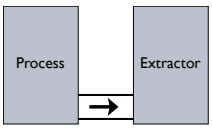
4 Labyrinth Pre-filter

Options: (Pack of 2):	*Code:*
F8/F9 Composite	202276

5 Main filter

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

6 Connection Hose Kit



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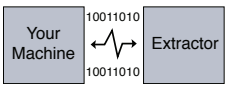
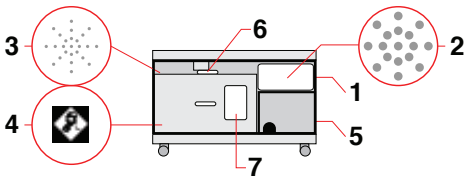
7 Machine Interfacing (Optional)



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 34**



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

All machines are mounted on four castors for increased mobility.

† Standard Filter Only

Digital Control System

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

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

System Features...

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

Includes:

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

Accessories

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

200 & 400

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

4 Pre-filter Pad

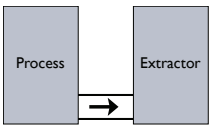
Options:	*Code:*
F5 Pack of 4	202260

5 Main filter

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

* IMPORTANT! Must be specified for CIJ printing applications.

6 Connection Hose Kit



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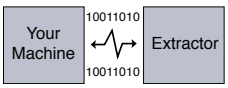
7 Machine Interfacing (Optional)



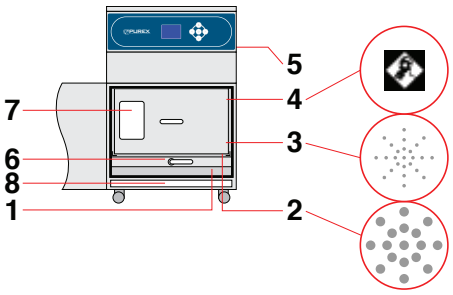
Allows the Purex system to interface with a piece of equipment connected to it.

- **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 34**

Air Compressor Available For This Model

Optional Clean Air Cowl - 190040



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

All machines are mounted on four castors for increased mobility.

† Standard Filter Only

Digital Control System

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

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

System Features...

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

Includes:

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

Accessories

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

200i & 400i

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

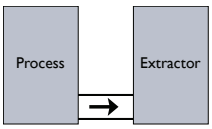
4 Labyrinth Pre-filter

Options: (Pack of 2):	*Code:*
F6 (std)	202268
F8/F9 Composite	202271

5 Main filter

Options:	*Code:*	*Options:*	*Code:*
HEPA/Chemical (std)	113505	Chemical Special	113662
HEPA+/Chemical (200i-HP)*	113811	Pleated Bag	113531
HEPA/Twin Chemical	113579	HEPA	113809
or HEPA/Twin Chemical	113669		
HEPA/Chemical Cleanroom*	113512	** Use in combination with 202271*	
Chemical	113508		

6 Connection Hose Kit



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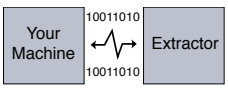
7 Machine Interfacing (Optional)



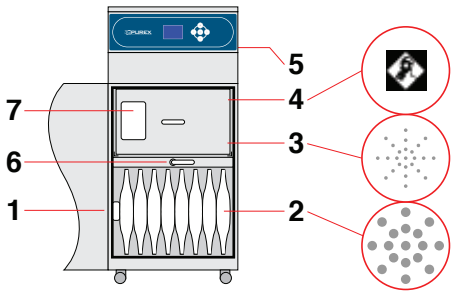
Allows the Purex system to interface with a piece of equipment connected to it.

- **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 34**

Air Compressor Available For This Model

Optional Clean Air Cowl - 190040



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

All machines are mounted on four castors for increased mobility.

† Standard Filter Only

Digital Control System

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

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

System Features...

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

Includes:

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

Accessories

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

400i PVC

1 2 — 400i PVC

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

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

3 Labyrinth Pre-filter

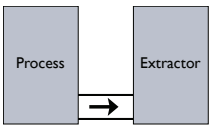
Options:	*Code:*
F8/F9 Composite *(Pack of 2)*	202271
Chemical Absorbant Pad *(Pack of 4)*	200261

Note:
Both Pre-filter and pads are required. The absorbant pad should be replaced when the Labyrinth filter is replaced or sooner if required.

4 Main filter

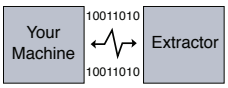
Options:	*Code:*
HEPA/PVC Chemical (std)	113498

5 Connection Hose Kit



Please choose 100043C connection kit from **PAGE26**

6 Machine Interfacing (Optional)



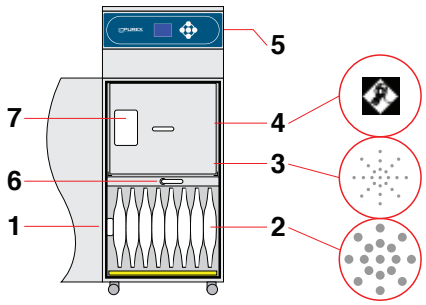
Allows the Purex system to interface with a piece of equipment connected to it.

- **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 34**

Air Compressor Available For This Model

Optional Clean Air Cowl - 190040



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

- 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
4 x Absorbant Pads
1 x Connection Kit
1 x Power cable

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

800i

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

4 Labyrinth Pre-filter

Options: (Pack of 2)	*Code:*	*PVC Options:*	*Code:*
(2-Tier)		Chemical Absorbant	200262
F6 (std)	202280	Pad *(Pack of 4)*	
F8/9 Composite	202272		
(3-Tier)			
F8/9 Composite (std)	202273		

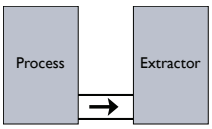
5 Main filter

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

† *Use in combination with 202272*

* *Must be specified for CIJ printing applications.*

6 Connection Hose Kit (Optional)



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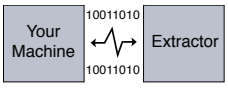
For PVC applications please contact us.

7 Machine Interfacing (Optional)



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

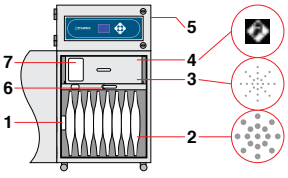
- **Start/Stop Control:** Extraction unit starts/stops when a connected piece of equipment is switched ON/OFF.
- **Filter Blocked Warning:** A signal is sent to a connected piece of equipment to trigger an alert or to shut it down.
- **Remote ON/OFF Switch:** 5M cable & switch

See **PAGE 34**

PVC Version Available

Air Compressor Available For This Model

Optional Clean Air Cowl - 190039



800i 2-Tier | **800i 3-Tier**

A) HEPA filter
B) Carbon filter

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

All machines are mounted on four castors for increased mobility.

† Standard Filter Only

Digital Control System

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

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

System Features...

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

Includes:

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

Accessories

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

1500i & 2000i

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

4 Labyrinth Pre-filter

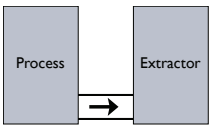
Options:	*Code:*
F6 (std)	111037
F8/F9 Composite	111099
PVC Options:	*Code:*
Chemical Absorbant Pad *(Pack of 4)*	200281

5 Main filter

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

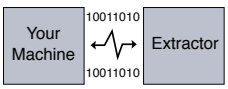
** Use in combination with 111099*

6 Connection Hose Kit (Optional)



PAGE 26-28
For PVC applications please contact us.

7 Machine Interfacing (Optional)



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

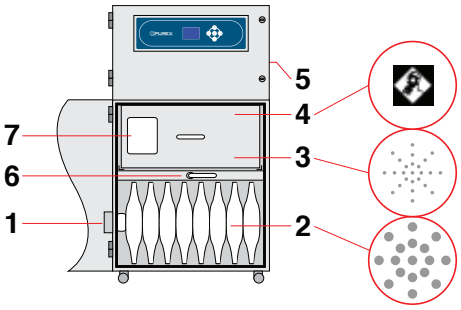
- **Start/Stop Control:** Extraction unit starts/stops when a connected piece of equipment is switched ON/OFF.
- **Filter Blocked Warning:** A signal is sent to a connected piece of equipment to trigger an alert or to shut it down.
- **Remote ON/OFF Switch:** 5M cable & switch

See **PAGE 34**

PVC Version Available

Air Compressor Available For This Model

Optional Clean Air Cowl - 640002



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

All machines are mounted on four castors for increased mobility.

† Standard Filter Only

Digital Control System

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

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

System Features...

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

Includes:

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

Accessories

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

5000i

1 2 3 — 5000i

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

4 Pre-filter

1 - Labyrinth (Side Inlet)

Options:	*Code:*	*PVC Options:*	*Code:*
F8/F9 Composite Tagged (std)	111006	Chemical Absorbant Pad *(Pack of 4)*	200312
F8	111072		

2 - Pleated Bag (Rear Inlet)

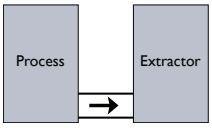
Options:	*Code:*	*PVC Options:*	*Code:*
Pre-filter Pad (Pack of 4) and...	200310	Chemical Absorbant Pad *(Pack of 4)*	200312
Pleated Bag Filter	111144		

5 Main filter

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

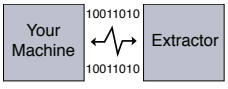
(!) Please note the 5000i requires 2 main filters. Use 111006 in cleanroom applications.

6 Connection Hose Kit (Optional)



Call Purex or your local distributor for more information.

7 Machine Interfacing (Optional)



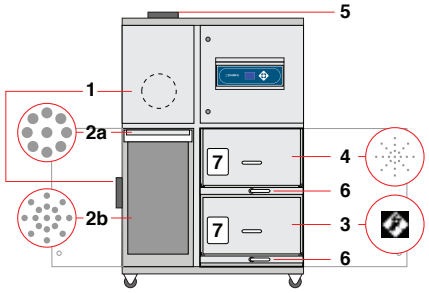
Allows the Purex system to interface with a piece of equipment connected to it.

- **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 34**

PVC Version Available

Air Compressor Available For This Model



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

All machines are mounted on four castors for increased mobility.

† Standard Filter Only

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

Alternatively a Labyrinth filter can be supplied.

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- 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.