

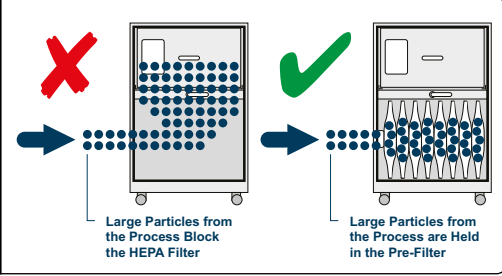


# Pre-filters

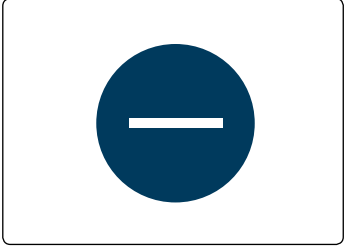
Pre-filters are designed to capture larger particles before they can enter the main HEPA filter.

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.



<b>A</b> Pads	<b>B</b> Pleated Bag
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**Pad pre-filter**

- Extends the life of the main filter by capturing larger particles before they reach the HEPA filter
- Fits neatly under the main filter
- Graduated fibre matrix delivers excellent particle capture capacity
- Ideal for low volume applications or where small amounts of particles are produced
- Captures particles to 5 micron at efficiency of 40 - 60%

**Pleated bag pre-filter**

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

<b>C</b> Labyrinth
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**Patented Labyrinth pre-filters**

- Extends the life of the main filter by capturing larger particles before they reach the HEPA filter
- Fits neatly under the main filter in integral Purex extractors
- Graduated fiber matrix delivers excellent particle capture capacity - up to 20 times more than a standard filter
- Ideal for medium-high volume applications
- Contains the particles inside for clean and simple disposal
- Composite material available for extra filter life and filtration down to 0.5 micron
- Standard captures particles to 3 micron at efficiency of 60 to 80%
- Composite captures particles to 1 micron at efficiency of 80 - 95%



# Pre-filters

Machine	Pad Standard	Pad Composite	Absorbent Pad	Pleated Bags	Labyrinth Standard	Labyrinth Composite
200/400	●202260	●200223		●113531 (spare 111141)		
200i/400i					●202268	●202271
200i HP						●202271
400i PVC			●200261			●202271
400i Dye						●202271
650	●202260					
800	●200275	●200528				
800i 2 - Tier					●202280	●202272
800i 3 - Tier			●200262			●202273
1500i					●111037	●111099
1750i			●200281			●111099
2000i					●111037	●111099
5000i	●200310		●200312	●111144 Rear inlet only		●111006 side inlet only
				●110645 (spare 111038)		

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

## Key

- 4 pack of pads
- Single bag
- 2 pack of bags
- Pleated bag in metal case. Fit this when applicable instead of main filter.



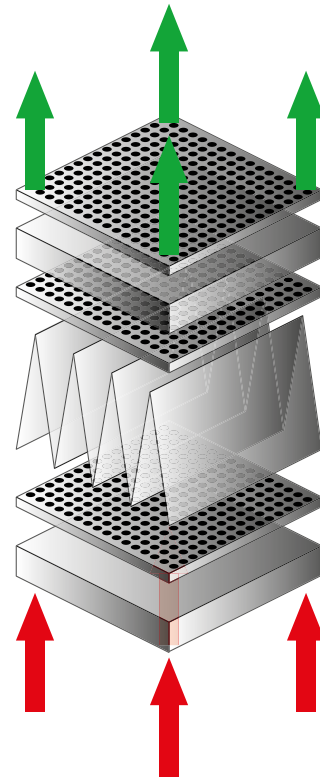
# Main Filters

Purex use specialized combinations of filter media to capture particles, gases and vapors 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.

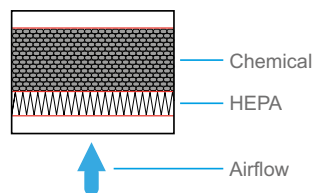
Additionally, air equalization plates are used between the layers of media to further reinforce the filter housing and to distribute the airflow across the filter to ensure all of the filter media is used.

## Typical Filter



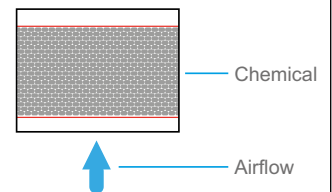
## HEPA/Chemical

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



## Chemical

Adsorbs a wide variety of gases and vapors.





# Main Filters

Machine	Hepa/ chemical	Hepa/twin chemical	Hepa/chemical Cleanroom	Chemical Std	Hepa only	Chemical Special	Solvent Lock
200/400	113505	113579	113512	113508	113809	113662	113513
	113505H	113579HD				113505P	
200i/400i	113505	113579	113512	113508	113809	113662	
	113505H	113668	113669			113505P	
		113579HD					
200i HP	113811						
400i PVC	113498						
400i Dye Sublimation	113505						
650	113505	113579	113512	113508	113809	113662	113513
	113505H	113579HD				113505P	
800	113652	113660	113658	113651	113650	113702	113667
						113675	
800i 2-Tier	113652	113660	113658	113651	113650	113702	113667
						113675	
800i 3-Tier	113652	113660	113658	113651	113650	113702	113667
						113675	
1500i	110615	110614	110632	110610	110619	110610H	
1750i		110616-PVC					
2000i	110615	110614	110632	110610	110619	110610H	
5000i				110627	110633		
				110624	110682		

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