

**35 Fellgate Avenue, Jarrow**

**Details of ventilation and extraction equipment**

Canopy 5000 x 1200 with 6.5m of duct, 560 diameter cased axial fan 4 pole single phase canopy - please see attached pdf - ELTA AXIAL with (highlighted in orange and \*). 304 stainless steel with stainless steel baffle filters, fan to be housed inside building and will exhaust through roof with a vertical high velocity cowl. The system will be fitted with a 1 d silencer giving a dba of 47 at 3m. Stainless steel wall sheets 2600 high x 5000 long (complete floor to ceiling backsplash)

Carbon filter system: please see following attached pdf's (products are stated alongside) discard.pdf - DC242424, cp4.pdf - CP24S-6 (3.no), fbec.pdf - 2472

It is also proposed to install a new independent suspended ceiling to include 1200g visqueen and double sound block board to reduce odour and sound transmission and external flue to include rubber washer to fixing brackets to also reduce vibration noise.

I hope this satisfies your validation criteria's and for environmental health consultation purposes however if you require any further information then please contact me at your earliest convenience.

Shahanoor Rahman  
05/02/2015

ST0084 / 15 FUL



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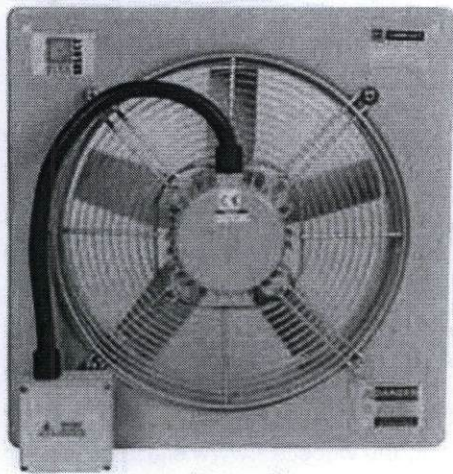
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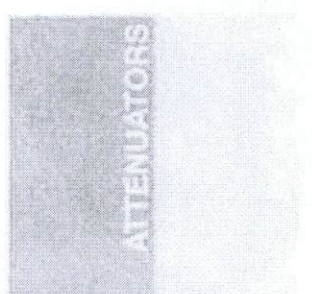
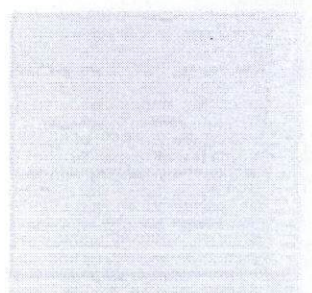
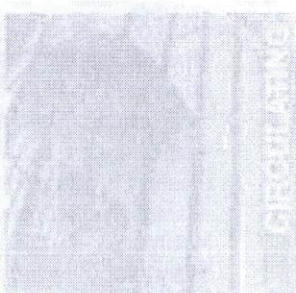
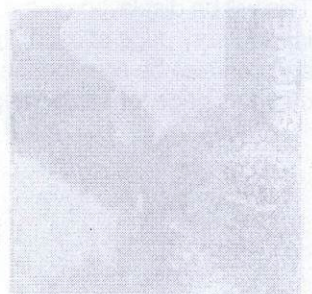
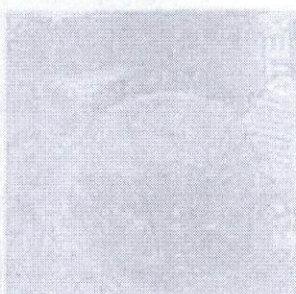
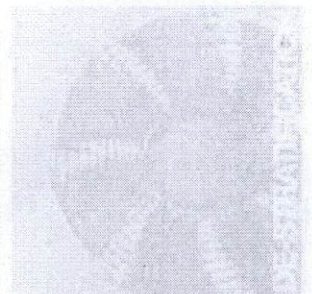
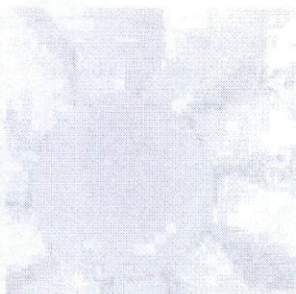
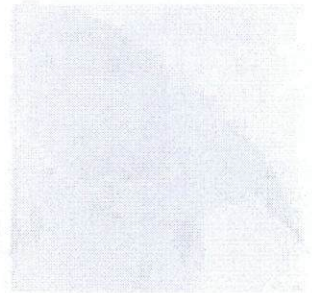
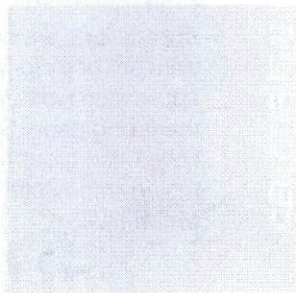
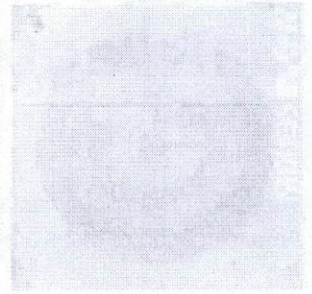
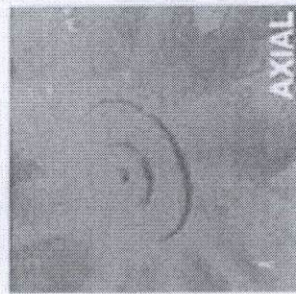
1977

1978



# Compact SCP

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visit: [eltaselect.com](http://eltaselect.com)



# Catalogue Guide

## Icon Key

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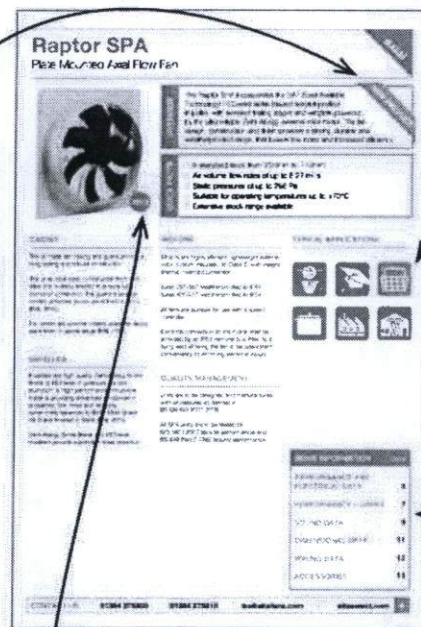
The Select Catalogue has a number of symbols and icons, designed to make the catalogue quicker and easier to use. An explanation of these are listed below:

### Application Icons

Applications are now represented via a set of pictorial icons. The application icons key is featured on the facing page. Some applications have been grouped together, where the environmental conditions have similarities.

### New Products

The icon to the right indicates a new addition to the Select product range. This will be displayed on the introductory page of each product and can also be seen on the contents page for each category.



### More Information Box

A more information box now also features on each introductory product page. This makes it easier to locate any further information you may require by displaying the page number to refer to, or directing you to the website - [www.eltaselect.com](http://www.eltaselect.com).

### 2013

New legislation has driven change in the Elta Select range of products. Elta Fans have revolutionised both their new and existing product range to meet legislation directives, but also to incorporate the 'Best Available Technology'; creating a reliable efficient and powerful range of products. The products which conform to the 2013 legislation are indicated with the above logo. This logo is pictured both on the main product page and the category contents page.









2013

# Catalogue Guide

## Application Key

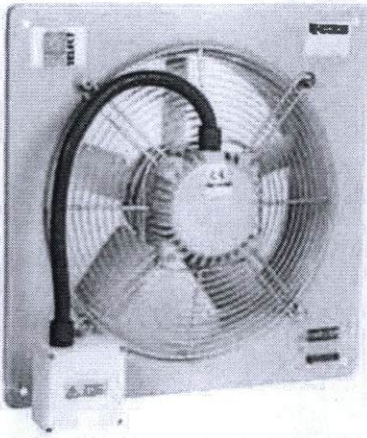
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Each product has an indication of typical applications via a set of icons. Every icon is displayed below, along with the definition of what it represents.

						
Sports Hall Squash Courts Gymnasium	Schools Colleges	Shopping Mall	Shops Retail Parks Commercial	Kitchens	Factories Industrial Units	Warehousing
						
Shower Rooms Bathrooms Toilets Changing Rooms	Marine	Agriculture	Airports	Corrosive Atmospheres	Banks	Hospitals
						
Hotels	Restaurants Cafes Cafeterias Pubs	Theatres	Air Conditioning	Residential Public Buildings Entrance Halls	Underground Stations	Libraries
						
Offices	Laundries Utility Rooms	Temporary Ventilation Construction Sites	Enclosed Car Parks	Stairwell Pressurisation	Workshops Foundries Welding Bays Machine Shops Spray Booths Lift Motor Rooms	Marquees
						
Conference Halls	Cooling Towers Stations Boiler Houses Heavy Industrial	Hot Gas Situations	General HVAC			

# Compact SCP

## Plate Mounted Axial Flow Fan



### OVERVIEW

The fan design, construction and finish of the Compact SCP provides a strong durable and weatherproofed range. Compact SCP fans boast highly efficient lightweight, robust motors, with proven reliability; ensuring long life and trouble free operation and excellent all round performance and simple speed control.

### QUICK FACTS

- ✓ 10 standard sizes from 250mm to 800mm.
- ✓ Air volume flow rates of up to 6.18 m<sup>3</sup>/s.
- ✓ Static pressures of up to 200 Pa.
- ✓ Highly efficient, lightweight induction motors.
- ✓ Fully speed controllable.

### CASING

The all metal fan casing and guard provide a long lasting and robust construction.

The units have been constructed from mild steel and suitably treated to ensure full corrosion protection. The guard shall be bright zinc plated.

Fan plates and motors shall have a powder coated polyester epoxy paint finish in pastel beige (RAL 7032).

### IMPELLER

Adjustable pitch aerofoil impellers are provided with blades made from high quality GRP.

Impellers are factory set at an angle to provide maximum performance. The hubs are manufactured from die cast aluminium alloy (LM24).

Assembled impellers are to be dynamically balanced to ISO 14694 Grade G6.3.

### MOTORS

Motors are highly efficient, lightweight induction motors with sealed for life, maintenance free ball bearings, which allows the fan to be installed at any angle. Each motor is matched to the aerodynamic performance of the impeller. Motors are Class F insulated to EN 60034-5, weatherproofed to IP55 and all suitable for speed control. Each motor has integral thermal overload protection.

Fans are suitable for operating temperatures between -20°C and +70°C fixed speed and -20°C and +50°C when used with a speed controller.

Electrical connection to the motor shall be provided by an IP55 terminal box fitted to a 550mm long flying lead.

### QUALITY MANAGEMENT

Units are to be designed and manufactured with procedures as defined in BS EN ISO 9001:2008.

All SCP units are to be tested to ISO 5801:2007 (airside performance) and BS 848 Part 2:1985 (sound performance).

### TYPICAL APPLICATIONS



### MORE INFORMATION

PAGE

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SOUND DATA	7
DIMENSIONAL DATA	8
WIRING DATA	9
ACCESSORIES	10

# Compact SCP

## Performance and Electrical Data

### SINGLE Phase - 220V-240V / 50Hz

Product Code	Speed r/min	Airflow	Airflow m <sup>3</sup> /s @ Static Pressure Pa.								Motor Electrical Data			
			0	25	50	75	100	125	150	200	FLC Amps	SC Amps	Output kW	
SCP250/4-1	1455	m <sup>3</sup> /s	0.35	0.29	0.22							0.90	1.45	0.09
SCP315/4-1	1390	m <sup>3</sup> /s	0.65	0.58	0.50							0.90	1.45	0.09
SCP350/4-1	1330	m <sup>3</sup> /s	0.88	0.77	0.66	0.54						0.90	1.45	0.09
SCP400/4-1	1375	m <sup>3</sup> /s	1.35	1.25	1.13	0.97						1.80	3.60	0.25
SCP450/4-1	1300	m <sup>3</sup> /s	1.65	1.55	1.43	1.25	1.10					1.80	3.60	0.25
SCP450/6-1	850	m <sup>3</sup> /s	1.16	0.98	0.73							1.05	2.00	0.12
SCP500/4-1	1350	m <sup>3</sup> /s	2.48	2.34	2.20	2.05	1.90	1.76				3.60	10.8	0.55
SCP500/6-1	860	m <sup>3</sup> /s	1.55	1.40	1.10							1.55	3.50	0.18
* SCP560/4-1	1350	m <sup>3</sup> /s	3.45	3.25	3.10	2.90	2.60	2.35				4.90	15.0	0.75
SCP560/6-1	875	m <sup>3</sup> /s	2.40	2.23	2.05	1.70						2.20	5.50	0.25
SCP630/4-1	1310	m <sup>3</sup> /s	4.16	4.06	3.95	3.84	3.71	3.57	3.42	3.04		7.90	19.75	1.1
SCP630/6-1	850	m <sup>3</sup> /s	3.55	3.20	2.82	2.40	1.90					6.00	12.6	0.55

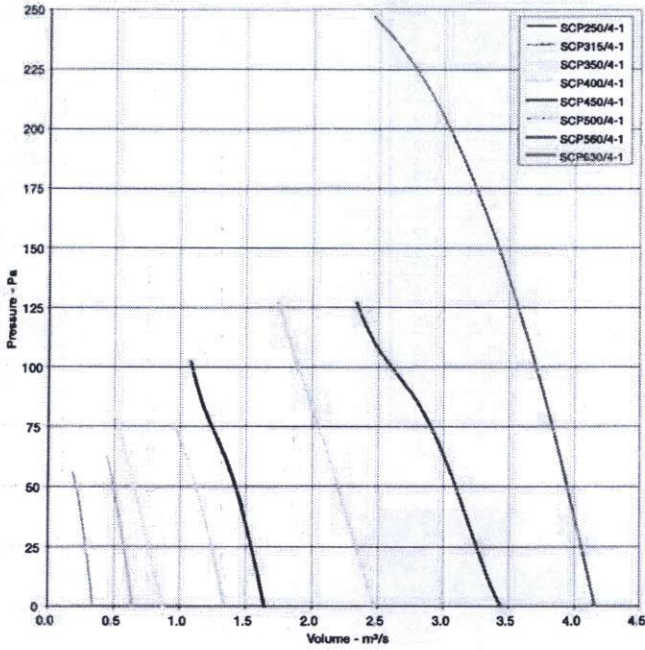
### THREE Phase - 380V-415V / 50Hz

Product Code	Speed r/min	Airflow	Airflow m <sup>3</sup> /s @ Static Pressure Pa.								Motor Electrical Data			
			0	25	50	75	100	125	150	200	FLC Amps	SC Amps	Output kW	
SCP315/4-3	1390	m <sup>3</sup> /s	0.65	0.58	0.50							0.50	1.15	0.12
SCP350/4-3	1330	m <sup>3</sup> /s	0.88	0.77	0.66	0.54						0.50	1.15	0.12
SCP400/4-3	1375	m <sup>3</sup> /s	1.35	1.25	1.13	0.97						1.40	4.50	0.37
SCP450/4-3	1300	m <sup>3</sup> /s	1.65	1.55	1.43	1.25	1.10					1.40	4.50	0.37
SCP450/6-3	850	m <sup>3</sup> /s	1.16	0.98	0.73							0.68	1.70	0.18
SCP500/4-3	1320	m <sup>3</sup> /s	2.48	2.34	2.20	2.05	1.90	1.76				1.75	6.20	0.55
SCP500/6-3	830	m <sup>3</sup> /s	1.55	1.40	1.10							0.94	2.40	0.25
SCP560/4-3	1320	m <sup>3</sup> /s	3.45	3.25	3.10	2.90	2.60	2.35				2.00	7.50	0.75
SCP560/6-3	830	m <sup>3</sup> /s	2.40	2.20	2.05	1.70						0.94	2.40	0.25
SCP630/4-3	1320	m <sup>3</sup> /s	4.75	4.65	4.54	4.40	4.25	4.05	3.80	3.30		4.30	15.5	1.5
SCP630/6-3	850	m <sup>3</sup> /s	3.55	3.20	2.80	2.40	1.90					1.90	5.80	0.55
SCP710/4S-3	1380	m <sup>3</sup> /s	6.00	5.76	5.49	5.23	4.97	4.69	4.37			4.30	15.5	1.5
SCP710/6S-3	720	m <sup>3</sup> /s	3.87	3.46	3.03	2.48						1.50	5.40	0.50
SCP710/6D-3	880	m <sup>3</sup> /s	4.67	4.39	4.09	3.76	3.37					3.40	12.3	1.1
SCP800/6S-3	620	m <sup>3</sup> /s	4.70	4.13	3.52							1.50	5.40	0.50
SCP800/6D-3	820	m <sup>3</sup> /s	6.18	5.79	5.39	4.95	4.41					3.40	12.3	1.1

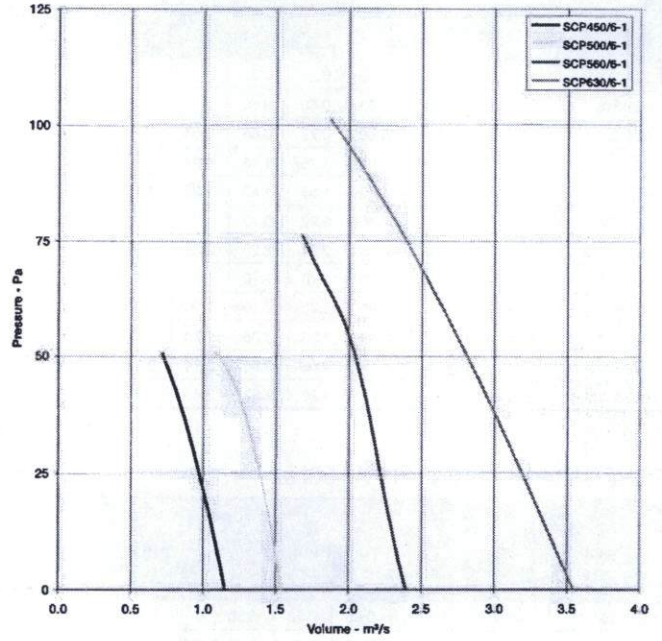
# Compact SCP

## Performance Curves

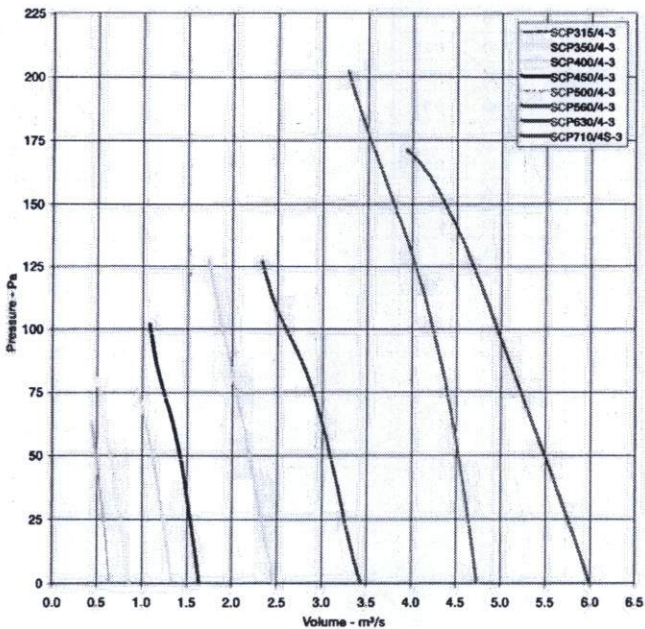
SINGLE Phase - 4 Pole ✱



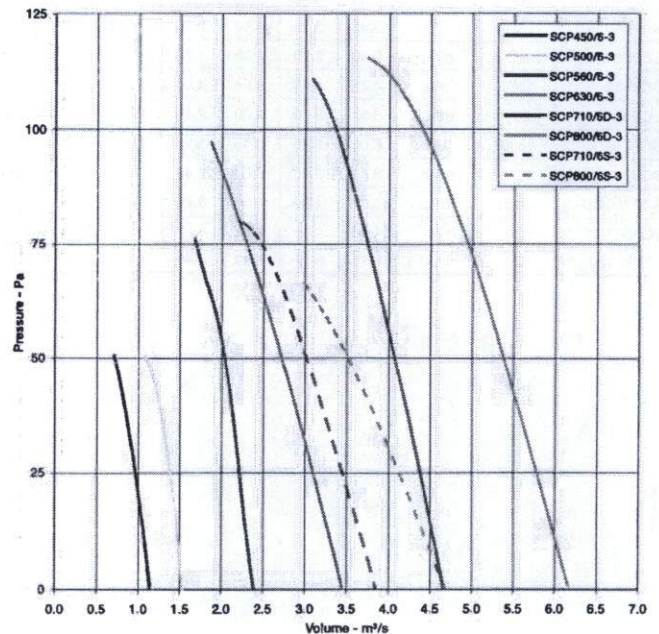
SINGLE Phase - 6 Pole



THREE Phase - 4 Pole



THREE Phase - 6 Pole





# Compact SCP

## Sound Data

### SINGLE Phase - 220V-240V / 50Hz

Product Code	Sound Power Level dBW @ Octave Band Hz								dBA @ 3m
	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	
SCP250/4-1	66	74	70	61	56	52	55	40	45
SCP315/4-1	68	77	70	68	62	59	56	51	49
SCP350/4-1	70	82	76	72	66	63	59	53	53
SCP400/4-1	73	82	78	73	71	67	64	60	56
SCP450/4-1	81	86	82	77	72	70	66	57	59
SCP450/6-1	82	81	72	67	63	59	52	44	50
SCP500/4-1	79	82	82	82	76	73	68	63	62
SCP500/6-1	77	78	76	71	69	67	60	52	54
SCP560/4-1	80	86	85	87	77	76	70	66	66
SCP560/6-1	77	86	82	74	71	70	66	59	58
SCP630/4-1	83	79	84	87	84	86	76	70	68
SCP630/6-1	73	80	83	76	73	71	67	59	59

### THREE Phase - 380V-415V / 50Hz

Product Code	Sound Power Level dBW @ Octave Band Hz								dBA @ 3m
	63Hz	125Hz	250Hz	500Hz	1 kHz	2 kHz	4 kHz	8 kHz	
SCP315/4-3	66	77	70	68	62	59	56	51	49
SCP350/4-3	70	82	76	72	66	63	59	53	53
SCP400/4-3	73	82	78	73	71	67	64	60	56
SCP450/4-3	81	86	82	77	72	70	66	57	59
SCP450/6-3	82	81	72	67	63	59	52	44	50
SCP500/4-3	79	82	82	82	76	73	68	63	62
SCP500/6-3	77	78	76	71	69	67	60	52	54
SCP560/4-3	80	86	85	87	77	75	70	66	66
SCP560/6-3	77	86	82	74	71	70	66	59	58
SCP630/4-3	83	79	84	87	84	80	76	70	68
SCP630/6-3	73	80	83	76	73	71	67	59	59
SCP710/4S-3	83	84	86	84	85	84	82	80	70
SCP710/6S-3	64	69	69	74	72	71	68	63	57
SCP710/6D-3	68	74	74	77	77	75	71	68	61
SCP800/6S-3	67	70	73	70	68	68	65	62	54
SCP800/6D-3	75	79	76	82	82	82	79	75	67

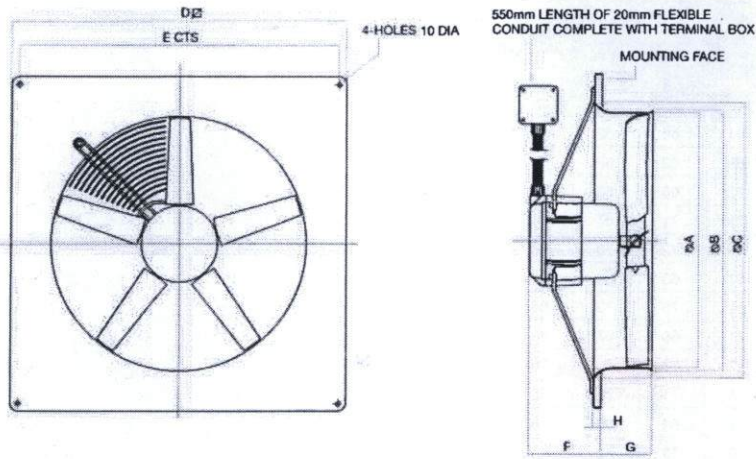
Tests and preparation of the sound data have been carried out in accordance with BS 648 Part 2:1985 at 50% peak pressure.

The Sound Power Level Spectra are in dB re-1pW.

The overall A-weighted sound pressure level is at a distance of 3m with spherical free-field propagation. It is expressed in dB re-20µPa and is presented for comparative purposes only.

# Compact SCP

## Dimensional Data



Product Code	A	B	C	D	E	F	G	H	Weight kg	
									1PH	3PH
SCP250	250	260	265	370	320	100	73	15	7	-
SCP315	315	325	360	430	380	85	88	15	8	8
SCP350	350	360	395	485	435	85	88	15	9	9
SCP400	400	410	450	540	490	84	99	15	13	13
SCP450	450	460	500	575	535	84	99	15	14	14
SCP500	500	510	560	655	615	140	99	15	20	20
* SCP560	560	575	625	725	670	140	99	20	24	24
SCP630	630	645	705	805	750	140	101	20	24	30
SCP710	710	725	765	850	810	148	101	27	-	30
SCP800	800	820	870	970	910	146	101	27	-	36

All dimensions are expressed in mm.

# Compact SCP

## Wiring Data

Please see our Wiring Diagrams download on [www.eltaselect.com](http://www.eltaselect.com) for more information.

### SINGLE Phase - 220V-240V / 50Hz

Product Code	Wiring Diagram No.
SCP250/4-1	152-500
SCP315/4-1	152-500
SCP350/4-1	152-500
SCP400/4-1	152-500
SCP450/4-1	152-500
SCP450/6-1	152-500
SCP500/4-1	152-500
SCP500/6-1	152-500
SCP560/4-1	152-500
SCP560/6-1	152-500
SCP630/4-1	152-500
SCP630/6-1	152-500

### THREE Phase - 380V-415V / 50Hz

Product Code	Wiring Diagram No.
SCP315/4-3	152-608
SCP350/4-3	152-608
SCP400/4-3	152-608
SCP450/4-3	152-608
SCP450/6-3	152-608
SCP500/4-3	152-608
SCP500/6-3	152-608
SCP560/4-3	152-608
SCP560/6-3	152-608
SCP630/4-3	152-608
SCP630/6-3	152-608
SCP710/4S-3	152-608
SCP710/6S-3	152-608
SCP710/6D-3	152-608
SCP800/6D-3	152-608
SCP800/6S-3	152-608

# Compact SCP

## Accessories

Please see our Axial Accessories download on [www.eltaselect.com](http://www.eltaselect.com) for more information.

### SINGLE Phase - 220V-240V / 50Hz

Product Code	Electronic Controller	Transformer Controller	Louvre Shutter	Impeller Side Guard	Wall Cowl
SCP250/4-1	149-EL31TK	149-TC12	064-0250-C	078C-0250-C	SWC25/31
SCP315/4-1	149-EL31TK	149-TC12	064-0315-C	078C-0315-C	SWC25/31
SCP350/4-1	149-EL31TK	149-TC12	064-0350-C	078C-0350-C	SWC35/40
SCP400/4-1	149-EL31TK	149-TC14	064-0400-C	078C-0400-C	SWC35/40
SCP450/4-1	149-EL31TK	149-TC14	064-0450-C	078C-0450-C	SWC45/50
SCP450/6-1	149-EL31TK	149-TC12	064-0450-C	078C-0450-C	SWC45/50
SCP500/4-1	149-EL61TK	149-TC18	064-0500-C	078C-0500-C	SWC45/50
SCP500/6-1	149-EL31TK	149-TC14	064-0500-C	078C-0500-C	SWC45/50
SCP560/4-1	149-EL61TK	149-TC18	064-0560-C	078C-0560-C	SWC56/63
SCP560/6-1	149-EL31TK	149-TC14	064-0560-C	078C-0560-C	SWC56/63
SCP630/4-1	-	149-TC110	064-0630-C	078C-0630-C	SWC56/63
SCP630/6-1	149-EL101	149-TC18	064-0630-C	078C-0630-C	SWC56/63

### THREE Phase - 380V-415V / 50Hz

Product Code	Transformer Controller	Inverter Controller 3PH-3PH IP55	Inverter Controller 3PH-3PH IP20	Louvre Shutter	Impeller Side Guard	Wall Cowl
SCP315/4-3	149-TC33	149-ODE-2-14075-3KA1S	149-ODE-2-14075-3KA12	064-0315-C	078C-0315-C	SWC25/31
SCP350/4-3	149-TC33	149-ODE-2-14075-3KA1S	149-ODE-2-14075-3KA12	064-0350-C	078C-0350-C	SWC35/40
SCP400/4-3	149-TC33	149-ODE-2-14075-3KA1S	149-ODE-2-14075-3KA12	064-0400-C	078C-0400-C	SWC35/40
SCP450/4-3	149-TC33	149-ODE-2-14075-3KA1S	149-ODE-2-14075-3KA12	064-0450-C	078C-0450-C	SWC45/50
SCP450/6-3	149-TC33	149-ODE-2-14075-3KA1S	149-ODE-2-14075-3KA12	064-0450-C	078C-0450-C	SWC45/50
SCP500/4-3	149-TC33	149-ODE-2-14075-3KA1S	149-ODE-2-14075-3KA12	064-0500-C	078C-0500-C	SWC45/50
SCP500/6-3	149-TC33	149-ODE-2-14075-3KA1S	149-ODE-2-14075-3KA12	064-0500-C	078C-0500-C	SWC45/50
SCP560/4-3	149-TC35	149-ODE-2-14075-3KA1S	149-ODE-2-14075-3KA12	064-0560-C	078C-0560-C	SWC56/63
SCP560/6-3	149-TC33	149-ODE-2-14075-3KA1S	149-ODE-2-14075-3KA12	064-0560-C	078C-0560-C	SWC56/63
SCP630/4-3	149-TC35	149-ODE-2-24220-3KA4S	149-ODE-2-24220-3KA42	064-0630-C	078C-0630-C	SWC56/63
SCP630/6-3	149-TC35	149-ODE-2-14075-3KA1S	149-ODE-2-14075-3KA12	064-0630-C	078C-0630-C	SWC56/63
SCP710/4S-3	149-TC35	149-ODE-2-24220-3KA4S	149-ODE-2-24220-3KA42	064-0710-C	078C-0710-C	-
SCP710/6S-3	149-TC33	149-ODE-2-14075-3KA1S	149-ODE-2-14075-3KA12	064-0710-C	078C-0710-C	-
SCP710/6D-3	149-TC35	149-ODE-2-14150-3KA1S	149-ODE-2-14150-3KA12	064-0710-C	078C-0710-C	-
SCP800/6S-3	149-TC33	149-ODE-2-14075-3KA1S	149-ODE-2-14075-3KA12	064-0800-C	078C-0800-C	-
SCP800/6D-3	149-TC35	149-ODE-2-14150-3KA1S	149-ODE-2-14150-3KA12	064-0800-C	078C-0800-C	-



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# CaterCarb Odour Unit Type FBEC



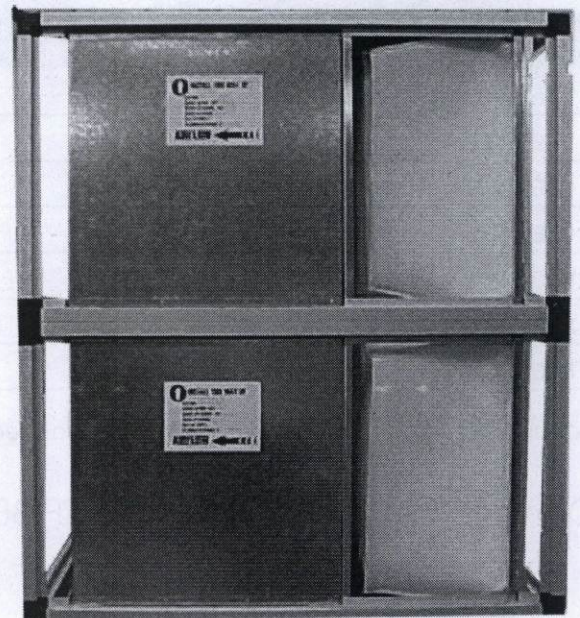
## Product Description

This unit is designed for odour reduction applications. Primarily for use in Kitchen exhausts, it can also be used in other applications.



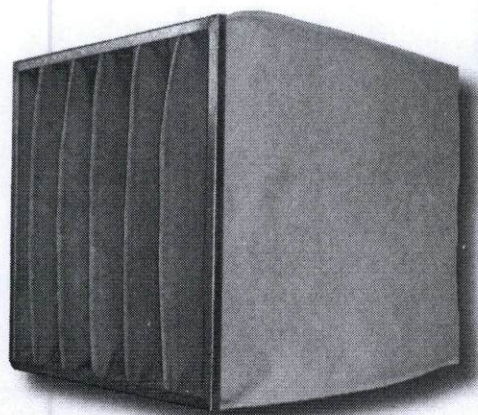
## Construction

FRAME Anodised Aluminium Pentapost  
SIDE PANS: Dove Grey Plasticaot Steel  
Doors sealed using Vice Locks and foam seal flange.  
MANOMETER: On Request  
SPIGOT On request.  
Roof on request

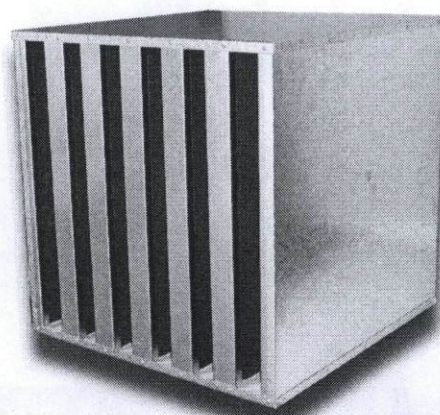


## Filter Characteristics

These units are fitted with a two stage filter system. The first stage is a high loft, fire retardant bag filter which will catch any carry over grease from the canopy. The final stage is heavy duty multicarb activated carbon cells which will reduce odours.



Prefilter  
CP4 Bag  
Filter, FR  
rated to  
CP413

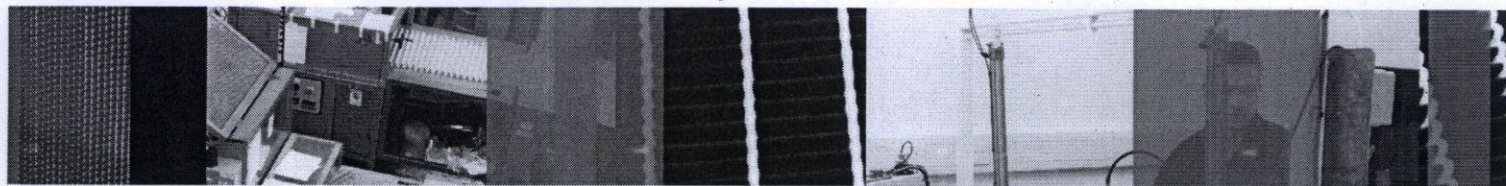


Multicarb  
Cell.  
Heavy duty  
disposable  
unit, high  
grade  
activated  
carbon filter



# CaterCarb Odour Unit with HEPA FBEC

## Standard sizes and capacities

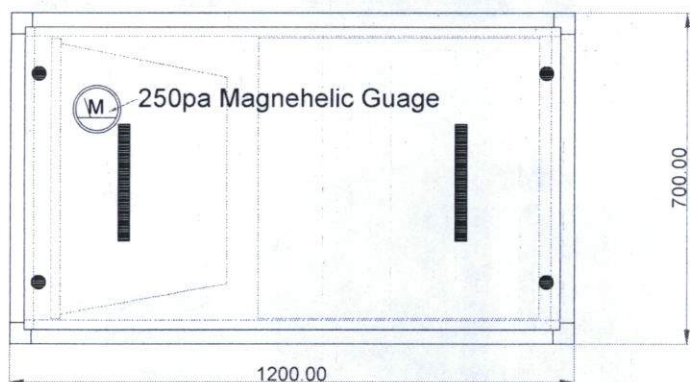


MODEL	External Unit Dimensions (mm)					Access	Price
	H1	H2	W1	W2	D		
FBEC-1212	400	340	355	295	900	Single	£578
FBEC-1224	400	340	657	597	900	Single	£627
FBEC-2424	700	640	657	597	1,200	Single	£729
FBEC-2448	700	640	1,251	1191	1,200	Single	£841
FBEC-2472	700	640	1,845	1131	1,200	Double	£1289
FBEC-2496	700	640	2,441	2381	1,600	Double	£1643
FBEC-4848	1400	1340	1251	1191	1200	Single	£1682

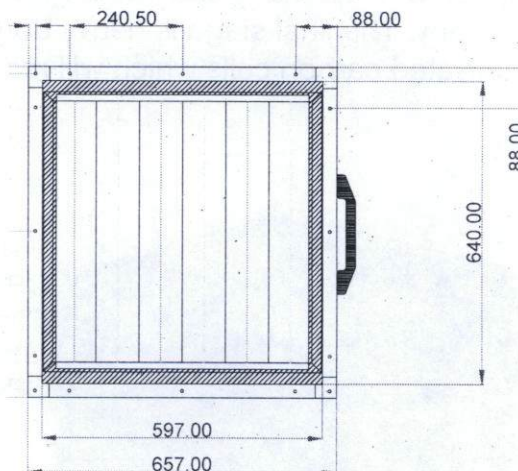
MODEL	Sizing Dwell Time and Pressure Drop					
	0.1 Second Dwell Time		0.2 Second Dwell Time		0.4 Second Dwell Time	
	Air Volume	Pressure Drop	Air Volume	Pressure Drop	Air Volume	Pressure Drop
FBEC-1212	925m <sup>3</sup> /hr	145Pa	462m <sup>3</sup> /hr	72Pa	230m <sup>3</sup> /hr	43Pa
FBEC-1224	1850m <sup>3</sup> /hr	145Pa	925m <sup>3</sup> /hr	72Pa	462m <sup>3</sup> /hr	43Pa
FBEC-2424	3700m <sup>3</sup> /hr	145Pa	1850m <sup>3</sup> /hr	72Pa	925m <sup>3</sup> /hr	43Pa
FBEC-2448	7400m <sup>3</sup> /hr	145Pa	3700m <sup>3</sup> /hr	72Pa	1850m <sup>3</sup> /hr	43Pa
FBEC-2472	11100m <sup>3</sup> /hr	145Pa	5550m <sup>3</sup> /hr	72Pa	2775m <sup>3</sup> /hr	43Pa
FBEC-2496	14800m <sup>3</sup> /hr	145Pa	7400m <sup>3</sup> /hr	72Pa	3700m <sup>3</sup> /hr	43Pa
FBEC-4848	14800m <sup>3</sup> /hr	145Pa	7400m <sup>3</sup> /hr	72Pa	3700m <sup>3</sup> /hr	43Pa

For higher air volumes stack these units. If you require us to pre-drill for this simple specify at the time of ordering.

Dimensions below are for a FBEC-2424



SIDE VIEW



INTAKE



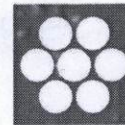


Manufacturing  
filters in  
UK for

10

# CleanPak CP4 Bag Filter

## Fire Rated CP413



# JASUN

ENVIROCARE PLC

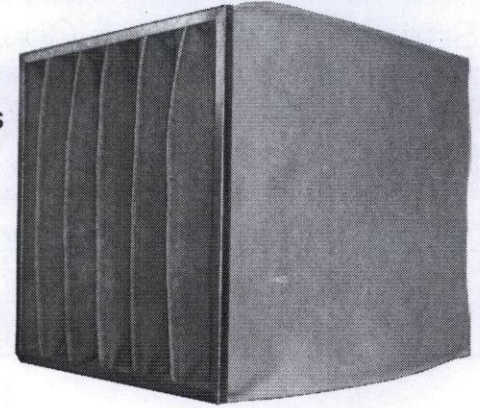


### General Description

The Cleanpak, fire rated range of bag filters are used widely in government buildings, hospitals and other sensitive areas. This grade of filter is suitable for air condition to offices, theatres, computer rooms and spray booths.

### Construction

Cleanpak bag filters are manufactured by mounting the 100% polyester synthetic media into a galvanised steel header frame.



### Features

- Efficient mechanised manufacturing techniques delivery cost effective filtration
- Polyester Media delivers fire rating to CP413
- Rolled safety edge to prevent the material being cut and to prevent injury to the engineers who handle them
- Extra depth filter layer which provides extended filter life
- Versatile manufacture - available in most sizes and pocket configuration
- FREE gasket - simply specify side, face or back.
- Packed individually in a plastic bag and then into strong cartons for safe transportation and storage.

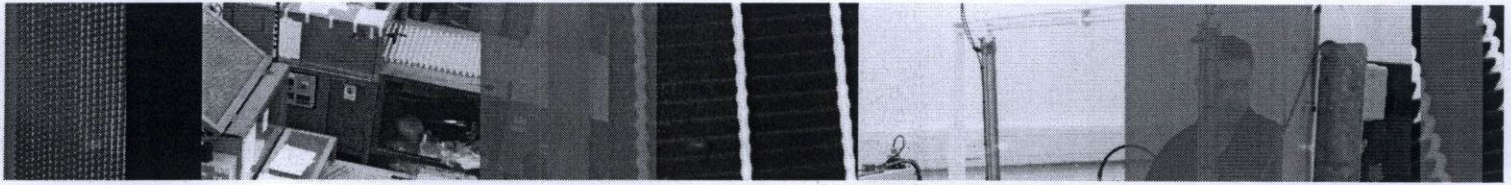
### Filter Media

- Is polyester
- Deep Filtration layered
- Is available any size
- Is totally non toxic and non irritant
- Is very inexpensive
- Is fire retardant

Filter Efficiency to BS EN 779:2012		G4
Rating to ASHRAE 52.2 Test Standard		Merv 8
Pocket Depth	Rated Airflow	Initial Pressure Drop
300mm	1.70m/sec	30Pa
355mm	2.46m/sec	30Pa
600mm	3.30m/sec	50Pa
Maximum Final Recommended Pressure Drop		250Pa
Minimum Velocity required		2m/sec

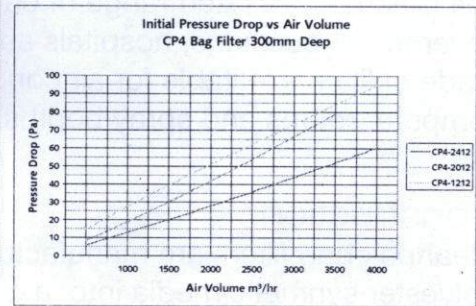


# CP4 CleanPak Bag Filter STANDARD SIZES



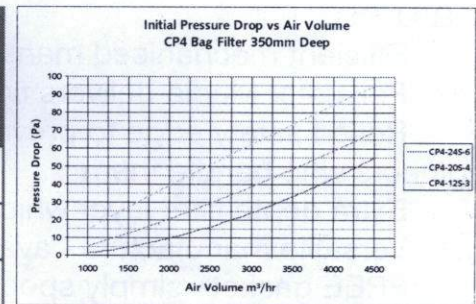
## SERIES 300 - ECONOMY CONFIGURATION

Part Number	Header Dimensions			Pocket Details		Capacity m <sup>3</sup> /hr
	Height (mm)	Width (mm)	Thickness (mm)	Depth (mm)	No. of Pockets	
CP4-1212	592	287	20	300	2	1000
CP4-2012	592	492	20	300	3	1800
CP4-2412	592	592	20	300	4	2100



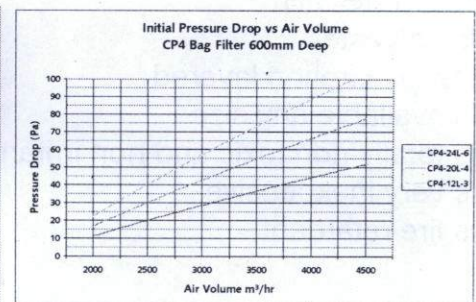
## Series 350 - Low Initial Pressure Drop Configuration

Part Number	Header Dimensions			Pocket Details		Capacity m <sup>3</sup> /hr
	Height (mm)	Width (mm)	Thickness (mm)	Depth (mm)	No. of Pockets	
CP4-12S-3	592	287	20	350	3	1500
CP4-20S-4	592	492	20	350	4	2500
CP4-24S-6	592	592	20	350	6	3100



## Series 600 - Long Pocket, long Life, High Capacity Configuration

Part Number	Header Dimensions			Pocket Details		Capacity m <sup>3</sup> /hr
	Height (mm)	Width (mm)	Thickness (mm)	Depth (mm)	No. of Pockets	
CP4-12L-3	592	287	20	600	3	2000
CP4-20L-4	592	492	20	600	4	3460
CP4-24L-6	592	592	20	600	6	4200



## Options

Standard header frame depth is 20mm, also available 12mm, 15mm, 25mm, 33mm

Pocket Depths of 229mm(9"), 300mm(12"), 380mm (15"), 450mm (18") 530mm (21"), 635mm(25"), 760mm(30")  
Also available.

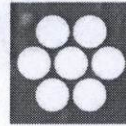
Other Pocket configurations available to order, for instance 8 pockets across a 592mm wide frame.



Manufacturing  
filters in  
UK for

10

# Multicarb Activated Carbon Discarb Units



**JASUN**  
ENVIROCARE PLC



## General Description

These filters are manufactured for ease of installation and incorporation into ducted air systems. They can be used on both supply for purifying incoming air, and can be used on the extract to remove toxic gasses and odours generated within a process.

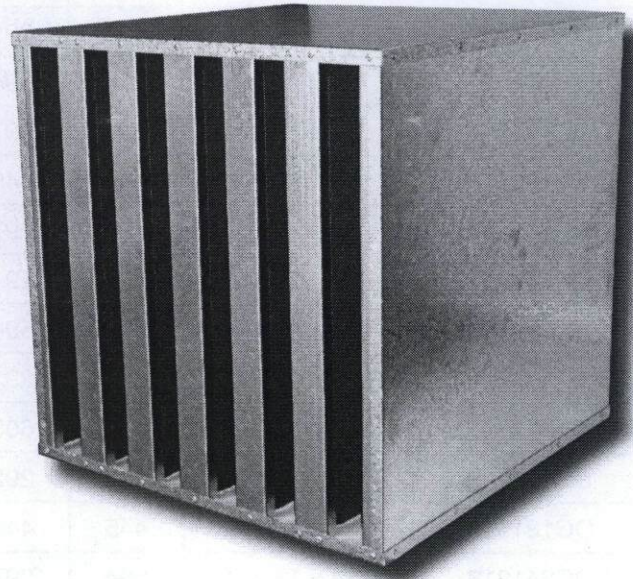
## Construction

These modules are manufactured by mounting a series on carbon panel filters with a sealed case. The airflow is epitomize by presenting the filtering surfaces in a "V" formation.

Each carbon panel is sealed into the filter case so as to ensure no air can bypass the carbon granules.

The panels are manufactured using long established bonding techniques which hold the activated carbon granules in a rigid biscuit. The biscuit is encapsulated in a carbon impregnated cloth which prevents any leakage of granules or powder.

The unique bonding method used by Jasun Envirocare ensures that, unlike our competitors filters, that the panels will remain intact and rigid even if wet.



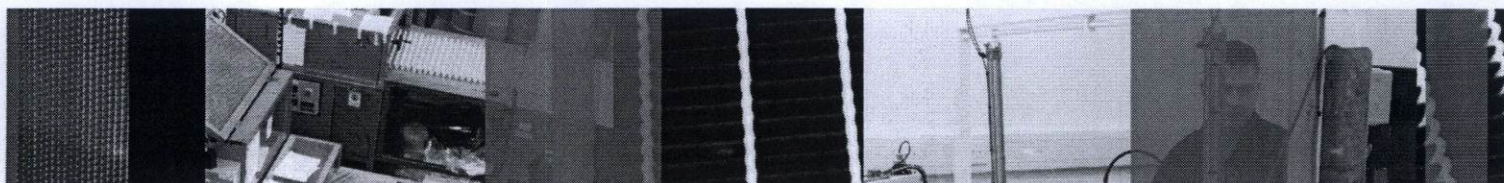
## Typical Applications

- Reduction of Cooking Odours
- Removal of Kerosene Exhaust Fumes
- General Odour Reduction
- Neutralisation of Ammonia and its Derivatives
- Removal of Formaldehyde
- Removal of Airborne Pollutants and Contaminants
- Removal of Acid Gases (H<sub>2</sub>S, SO<sub>2</sub>, NOX, HCl)

Please check with our sales department when specifying carbon filters as most applications require a bespoke solution specifically tailored for the job in hand.



# Multicarb Cells STANDARD SIZES



No.	Nominal Size (Inches)	Height (mm)	Width (mm)	Depth (mm)	Weight of Carbon (Kg)	Cell Weight	Capacity @ 0.1 Second Dwell Time
DC-CF1	24 x 24 x 8	594	594	197	10	22	800
DC-CF1-HALF	24 x 12 x 8	594	291	197	5	11	400
DC242412/8	24 x 24 x 12	594	594	292	13	24	990
DC121212	12 x 12 x 12	297	297	297	6	12	450
DC181812	18 x 18 x 12	445	445	297	13	25	990
DC241212	24 x 12 x 12	594	297	297	13	25	990
DC242412	24 x 24 x 12	594	594	297	25	36	1900
DC-CF2	24 x 24 x 16	594	594	397	18	34	1370
DC-CF2-HALF	24 x 12 x 16	594	291	397	9	18	685
DC-WA15-208	24 x 6 x 18	144	600	440	7	13	533
DC121218	12 x 12 x 18	292	292	451	10	15	761
DC181818	18 x 18 x 18	445	445	451	19	26	1445
DC241218	24 x 12 x 18	594	297	451	18	26	1369
DC242418	24 x 24 x 18	594	594	451	36	52	2740
DC121224	12 x 12 x 24	292	292	597	13	19	990
DC181824	18 x 18 x 24	445	445	597	25	36	1900
DC241224	24 x 12 x 24	594	297	597	25	36	1900
DC242424	24 x 24 x 24	594	594	597	50	61	3800

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LINEAR VELOCITY M/SECOND V'S PRESSURE DROP  
MULTICARB ACTIVATED CARBON CELLS

