SUPACARB
Dual Function Depth Cartridge

SupaCarb filter cartridges feature a choice of rolled felt carbon impregnated media or a superior sintered carbon block. Both are combined with Amazon Filters unique spun bonded particulate removal layers resulting in a genuine dual purpose element.

The **SupaCarb RP/XP** series offer economy with efficiency for chlorine, odour, colour and trace organic reduction levels, whilst the **SupaCarb BP** series use a unique sintered carbon technology that combines the best features of both powdered (PAC) and granular (GAC) activated carbon in one cartridge. Both element styles use the **SupaGard** spun bonded media for the pre-filtration layer and are available with moulded polymer ends for superior sealing and enhanced product performance.

SupaCarb offers an extremely economical solution to many common liquid treatment applications.

Product Features - RP/XP
- Multiple layered carbon impregnated polyester felt
- One piece construction up to 1015mm (40")
- Polymer materials meet US FDA Title 21 requirements

The construction of **SupaCarb RP/XP** uses a polyester substrate, unlike many other rolled elements that use a cellulose based support. This minimises the risk of microbiological contamination and because of its better compatibility it can be used in a wider range of chemical applications.

Product Features - BP
- Unique sintered block using both granular and powdered carbon
- Modular construction up to 1017mm (40")
- Polymer materials meet US FDA Title 21 requirements

The modular **SupaCarb BP** uses a unique sintering process that combines high purity powdered and granular carbon, this results in the very highest available surface area for a 10" cartridge. Superior adsorption and on-stream life makes the **BP** the very best choice of carbon cartridges.

Equipped with 5µm nominal rated spun bonded polypropylene pre-filtration layers and a full range of welded end caps, **SupaCarb** is the ideal choice of activated carbon cartridges. Compared with conventional Granular Activated Carbon cartridges, the **SupaCarb** will not fluidise, channel or bypass, therefore maximising the effectiveness of the carbon media.

Features and Benefits

- Large carbon surface area exhibits excellent chlorine reduction characteristics
- Low volume pre-use flush required compared to lenticular cartridges
- Graded density pre-filtration layer for effective sediment removal and protection of the carbon media
- All polymeric construction offers excellent chemical compatibility and stability in aqueous solutions
- Minimal carbon release when compared to conventional loose filled granular (GAC) style cartridges
- Identification embossed on every cartridge
- Construction eliminates fluidising, channelling or bypass
- Can be sanitised and steam sterilised

See product guides for further details of test methods and rated efficiencies

Industries and Applications

Metal Finishing	•	Organic reduction in plating baths
Fine Chemicals	•	Colour reduction in solvents
Food and Beverage	•	Colour reduction in alcohol, Bottled waters, General clarification, Ozone reduction
Water Treatment	•	Small scale chlorine, odour, colour and trace organic reduction
Pharmaceutical	•	Colour reduction in solvents

Amazon

SupaCarb Technical Data

Dimensions
Outside Diameter:	66.5mm
Core Diameter:	27mm

Sterilisation and Sanitisation*¹
Steam:	121°C for 15 mins (20 cycles)
Hot Water:	90°C for 30 mins (0.2 bar Δp max)

*¹Applies to single open end cartridges only. For all steaming and hot water applications, the Reinforced Polypropylene End Cap option must be used

Maximum Operating Conditions
Temperature: 80°C
Recommended change-out differential pressure: 2.5 Bar

Product validation guide available on request. All **SupaCarb** cartridges are manufactured under strict control with batch number identification, giving full traceability on all components

Chlorine Reduction Capacity Data

Cartridge Type	Flow Rate (Litres/min)	Chlorine reduction Capacity (litres)
06RP	3.7	>2000
06XP	3.7	>10000
06BP	3.7	>75000

The above test is based on challenging a 10" filter with water containing 3.0 ppm of free chlorine. The chlorine reduction capacity is the volume, in litres, of water from which the filter will successfully remove >96% of free chlorine present upstream of the filter when operating at given flow rate.

Flow Rate

Cartridge Types	Max flow rate for odour, taste and chlorine reduction (litres/min/10" length of cartridge)	Recommended max flow rate for >96% chlorine reduction capacity (litres/min/10" length of cartridge)
06RP	8 @ 20mBarΔp	3.7 @ 10mBarΔp
06XP	15 @ 40mBarΔp	3.7 @ 10mBarΔp
06BP	15 @ 280mBarΔp	3.7 @ 70mBarΔp

Note: For safety reasons, the Amazon **SupaCarb** range of cartridge elements should only be used on microbiologically safe water supplies. Activated carbon cartridges are not designed to remove or kill bacteria or viruses. All the data shown should be treated with caution, actual results will vary with the different combinations of organic content present, pH variations and temperature, and should not be considered a warranty of any kind.

Ordering Guide

06RP	005 -	20	3	E	A	
Carbon/Media	**Micron Rating**	**Length**	**Connections**	**Seal**	**Branding**	**Options**

06BP - Sintered Block
06RP - Rolled Felt
06XP - High Volume Rolled Felt
06RD - Rolled Felt, Reinforced Polypropylene Core
06XD - High Volume Rolled Felt, GFPP Core
	005 - 5.0µm	**RP/XP**
		05 - 125mm
		09 - 252
		20 - 507
		26 - 663
		30 - 760
		40 - 1015
		BP
		05 - 125mm
		09 - 249
		20 - 509
		30 - 763
		40 - 1017
			N - None (RP/XP Only)
			0 - DOE (BP)
			A - Code A
			B - Code B*²
			S - Code S
			2 - Code 2
			3 - Code 3
			7 - Code 7
			8 - Code 8
				P - PE Gasket
				   (RP/XP, DOE Only)
				B - Buna
				E - EPDM
				F - FEP / Silicone
				   (SOE Only)
				S - Silicone
				V - Viton
					A - Amazon	G - Reinforced Polypropylene End Cap

Example: 06RP005-203EA = Rolled Felt media, 5.0µm rating, double length 20" long, code 3 connections with EPDM seal.
*² Code B - to fit Amazon **50 Series** housings only.

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