

# Carbon

## Loose Granular

Utilising modern processing techniques SCG-C has been designed with a highly microporous structure for superior removal of oxidising agents and low molecular weight contaminants such as chlorine, taste and odour.



## Carbon SCG-C

### Technology

Highly effective at removing chlorine, taste, odour and other organics, SCG-C uses high grade water washed coconut activated carbon to ensure excellent mechanical hardness and exceptionally low rinse times. The 12x30 carbon mesh size provides an excellent blend of adsorption capability and low pressure drop across the system.

### Applications

Loose granular activated carbon can be used in both replaceable point-of-use cartridges for drinking water, or in larger back washable configurations as economic pre-treatment for reverse osmosis systems.

**Capacity** (per litre of media) **12,000 mg**

Chlorine capacity using 2mg/l free available chlorine at 0.5mg/l breakthrough

Order Code	Weight (kg)
SCG-C	25

# Pressure Vessel

## Selection Guide

SPECTRUM offer a Standard and Premier version of Pressure Vessel, both vessels boast excellent quality and beneficial characteristics with capacities for a variety of applications. Empty Cartridge Shells are available in both opaque and



transparent (for use with SRDI-IND Indicator Resin); providing a solution for many lower media volume applications. An array of accessories is available to compliment the vessels. Amongst this range is the SPECTRUM media funnel to provide an easier installation and media change process, compatible with both Standard and Premier vessels. Additionally, port size adaptors are available in ½", ¾" and 1" to be installed with the Premier range if you require a different size from the ¾" adaptors provided.

## Premier Pressure Vessels

**From 3.6 to 14.5 litres capacity for Resin**

**From 4.5 to 18 litres capacity for Carbon**

Utilising the full bed volume of the media due to the uniquely constructed distribution system, increasing the efficiency and capacity.

## Standard Pressure Vessels

**From 3.6 to 85 litres capacity for Resin**

**From 4.6 to 105 litres capacity for Carbon**

100,000 cycle pressure tested, this time-proven range of Pressure Vessels offers a capacity of between 3.6 litres and 105 litres.

## Empty Cartridge Shells

**From 0.2 to 4.5 litres capacity for Resin or Carbon**

Design one's own cartridge with a single or multimedia self-assembly construction, to be housed in regular and large diameter filter housings.

# Standard Pressure Vessel

## Vessel Only

All SPECTRUM Standard Pressure Vessels are available as the vessel only to be paired with specialist distribution systems and control valves. Customising the vessel for basic operation is simply achieved with the addition of a head and distribution system. Vessels only come with a base and 2 ½" threaded neck and are packaged individually for secure transportation.

### Distribution Systems

Code	Length (")
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Standard Pressure Vessel Head, ¾" Female Ports, 2.5" Neck Thread with Upper and Lower Screen and Riser Tube

SVH-AD-DSCOMPLETE	13, 17, 18, 22, 30, 35, 44, 54
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e.g. SVHEAD-DSCOMPLETE-18

Premier Pressure Vessel Head, 2.5" Neck Thread with Upper and Lower Screen and Riser Tube

PVH-AD-DSCOMPLETE	13, 17, 18, 22, 30, 35, 44, 54
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e.g. PVHEAD-DSCOMPLETE-22

### Heads and Components

Code	Size (")
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Premier Pressure Vessel Head, 2.5 Neck Thread with optional Male Adaptors

PV-PK-2.5HEAD	-
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Premier Pressure Vessel Head Male Adaptors (Two required per Premier Head)

V-ADAPTOR	½, ¾, 1
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Standard Pressure Vessel Head Internal Riser Tube O-ring Buna-N

SV-ORING1-B	-
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Standard Pressure Vessel Head O-ring Buna-N

SV-ORING2-B	-
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### Standard - Vessel Only

Code	Tank Size (")	Dimension (mm)		Volume (l)	
		Diameter	Height	100% Filled (Carbon)	80% Filled (Resin)
SV-FK-613	6 x 13	165	336	4.6	3.6
SV-FK-618	6 x 18	165	463	6.8	5.4
SV-FK-717	7 x 17	190	437	8.5	6.8
SV-FK-730	7 x 30	190	768	15.8	12.6
SV-FK-735	7 x 35	190	896	19.1	15.3
SV-FK-817	8 x 17	215	437	10.5	8.4
SV-FK-822	8 x 22	215	555	14.4	11.5
SV-FK-835	8 x 35	215	897	23.6	18.9
SV-FK-844	8 x 44	215	1122	31.3	25.0
SV-FK-1035	10 x 35	268	893	38.3	30.6
SV-FK-1044	10 x 44	268	1121	48.8	39.0
SV-FK-1054	10 x 54	268	1381	61.0	48.8
SV-FK-1144	11 x 44	295	1130	59.8	47.8
SV-FK-1344	13 x 44	349	1145	84.8	67.8
SV-FK-1354	13 x 54	349	1398	105.7	84.6

## Complete Kit

Complete Standard Pressure Vessels are achieved by adding the standard head, riser tube, upper and lower screen forming the full distribution system. The screens are bonded in place to eliminate resin migration. The distribution system is pre-fitted into the vessel itself, filling the vessel is then a simple task allowing the water treatment set up to be up and running with minimal expertise being required.



### Standard - Complete Kit

Code	Tank Size (")	Dimension (mm)		Volume (l)	
		Diameter	Height	100% Filled (Carbon)	80% Filled (Resin)
SV-FK-613-C	6 x 13	165	382	4.6	3.6
SV-FK-618-C	6 x 18	165	509	6.8	5.4
SV-FK-717-C	7 x 17	190	483	8.5	6.8
SV-FK-730-C	7 x 30	190	814	15.8	12.6
SV-FK-735-C	7 x 35	190	942	19.1	15.3
SV-FK-817-C	8 x 17	215	483	10.5	8.4
SV-FK-822-C	8 x 22	215	601	14.4	11.5
SV-FK-835-C	8 x 35	215	943	23.6	18.9
SV-FK-844-C	8 x 44	215	1168	31.3	25.0
SV-FK-1035-C	10 x 35	268	939	38.3	30.6
SV-FK-1044-C	10 x 44	268	1167	48.8	39.0
SV-FK-1054-C	10 x 54	268	1427	61.0	48.8
SV-FK-1144-C	11 x 44	295	1176	59.8	47.8
SV-FK-1344-C	13 x 44	349	1191	84.8	67.8
SV-FK-1354-C	13 x 54	349	1444	105.7	84.6