

DECARBONISATION TECHNOLOGY

Designed to enhance the taste of hot beverages, the SERVE Café Range improves water quality while reducing scale buildup in boilers. Its innovative variable bypass head allows precise water treatment, offering 0–70% bypass for consistent results across different locations.

SERVE Café targets water hardness and reduces chlorine, unpleasant tastes, odours, PFAS, and microplastics. The result is a cleaner, more consistent flavour, helping deliver high-quality beverages every time. By achieving the ideal balance of minerals, Café unlocks the coffee bean’s full potential, enhancing richer, creamier notes and overall flavour complexity.



FEATURES & BENEFITS

- **Optimised for Hot Beverage Vending:** consistent, high-quality flavour for every cup
- **Decarbonisation Resin:** reduces hardness, prevents scale buildup in boilers
- **Granular Activated Carbon:** reduces chlorine, unwanted tastes, odours, PFAS, and microplastics
- **Variable Bypass Head (0–70%):** allows precise water hardness adjustment for consistent results
- **Twist-Lock Head:** simplifies cartridge replacement for faster, mess-free maintenance

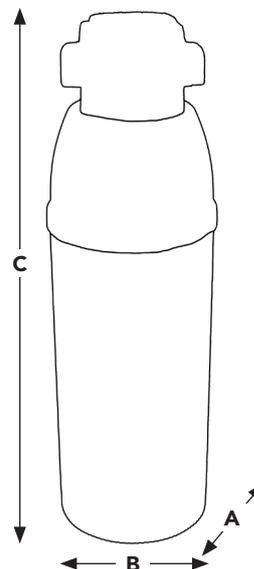
MATERIALS OF CONSTRUCTION

- Filter body: Polypropylene & glass fibre
- Filter head: Polypropylene
- Resin: Weak acid cation resin
- Carbon: Granular activated carbon

TECHNICAL DATA

Flow Rate (lpm)	1-4
Operating Temperature (°C)	4-40
Max Operating Pressure (bar)	8
Port Size (")	3/8
Rated Capacity (L)	<i>See Capacity Chart</i>
Resin Volume (L)	Small - 0.9
	Medium - 1.8
	Large - 2.7
	Extra Large - 5.1

DIMENSIONS



System / Cartridge (mm)	System / Cartridge (mm)		
	A	B	C
Small (S)			
Head & Cartridge	110	110	275
Cartridge	110	110	208
Medium (M)			
Head & Cartridge	117	117	410
Cartridge	117	117	343
Large (L)			
Head & Cartridge	117	117	470
Cartridge	117	117	403
Extra Large (XL)			
Head & Cartridge	144	144	552
Cartridge	144	144	485

CAPACITY CHART


Total Hardness (CaCO ₃) mg/L	Recommended bypass setting*	Filter Capacity (litres)			
		SC2-SR	SC2-MR	SC2-LR	SC2-XLR
60 - 129	B	1905 - 1848	5124 - 4971	7686 - 7457	14347 - 13919
130 - 209	C	1345 - 1013	3618 - 2725	5427 - 4088	10130 - 7630
210 - 309	D	851 - 583	2289 - 1569	3434 - 2354	6409 - 4393
310 - 409	E	496 - 339	1333 - 913	2000 - 1370	3732 - 2556
410 - 509	F	298 - 223	802 - 600	1203 - 900	2246 - 1680
510 - 600	G	201 - 147	540 - 396	810 - 594	1512 - 1109

*Bypass setting A = 100% bypass

ACCESSORIES

**SH2-KIT****SPECTRUM
CONNECTORS****TUBING**
ORDERING GUIDE


Product	
Code	Description
SC2-SR	SPECTRUM Serve Café Small Replacement Cartridge
SC2-MR	SPECTRUM Serve Café Medium Replacement Cartridge
SC2-LR	SPECTRUM Serve Café Large Replacement Cartridge
SC2-XLR	SPECTRUM Serve Café Extra Large Replacement Cartridge
SH2-KIT	SPECTRUM Serve Head Kit with Bracket and Fittings
Optional Accessories	
SC-TUBING	Tubing 3/8" - 150m Roll, White / Blue / Red
SC-TUBING	Tubing 1/4" - 150m Roll, White / Blue / Red
SC-U-P4P3	SPECTRUM Connector Union 1/4" Push Fit / 3/8" Push Fit
SC-B-P3P3	SPECTRUM Connector Ball Valve 3/8" Push Fit / 3/8" Push Fit
SC-S-S3P4	SPECTRUM Connector Straight 3/8" Stem / 1/4" Push Fit
SC-CC4	SPECTRUM Connector Collet Clip 1/4"
SC-CC3	SPECTRUM Connector Collet Clip 3/8"
SC-CC4TOOL	SPECTRUM Connector Collet Clip 1/4" Tool