



## S1 SERIES PLEATED CELLULOSE CARTRIDGES

- Pleated design maximizes dirt-holding capacity
- Designed for general water filtration purposes
- Recommended for chlorinated water supplies
- Economically priced
- Nominal 20-micron rating

S1 Series cartridges are manufactured from a pleated cellulose media and are designed for general water filtration purposes.

The media is pleated around a polypropylene core for added strength and the ends are immersed in a thermo-setting vinyl plastisol. Embedding and sealing each end of the pleat in this fashion fuses the three components together forming a unified end cap and gasket.

An external netted sheath helps retain uniform pleat spacing in high flow and pulsating flow streams. The overlap seam is sonically welded to reduce bypass, improving filtration efficiency.

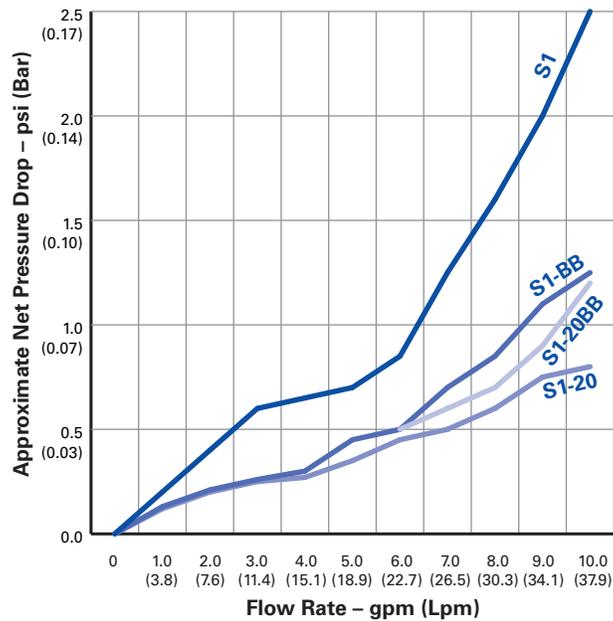
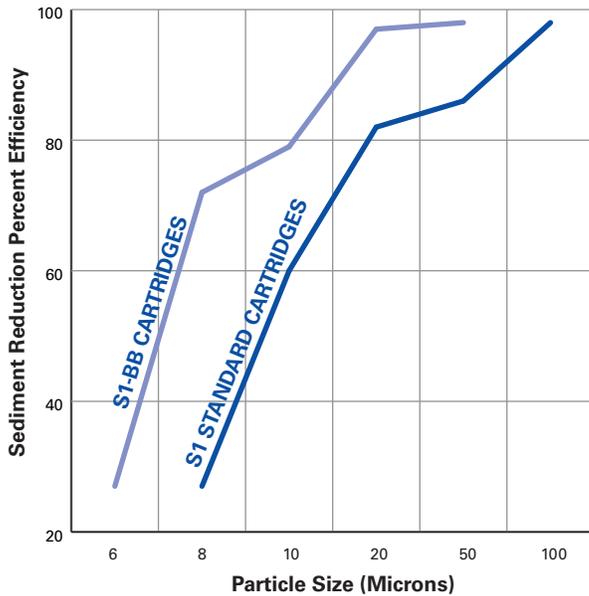
S1 Series cartridges are economically priced and highly effective at reducing sediment particles down to 20-microns in size.



**PENTEK**  
Pentair Water

# S1 SERIES

## Plated Cellulose Cartridges



### Cartridge Specifications and Performance Data

Model	Maximum Dimensions	Micron Rating (nominal)	Initial ΔP (psi) @ Flow Rate (gpm)	Surface Area	Recommended Flow Rate
S1	2½" x 9¾" (67 mm x 248 mm)	20	2.4 psi @ 10 gpm (0.17 bar @ 38 Lpm)	580 in. <sup>2</sup> (0.38 m <sup>2</sup> )	12 gpm (45 Lpm)
S1-20	2½" x 20" (67 mm x 508 mm)	20	0.8 psi @ 10 gpm (0.06 bar @ 38 Lpm)	1110 in. <sup>2</sup> (0.72 m <sup>2</sup> )	15 gpm (57 Lpm)
S1-BB	4½" x 9¾" (114 mm x 248 mm)	20	1.2 psi @ 10 gpm (0.08 bar @ 38 Lpm)	2070 in. <sup>2</sup> (1.34 m <sup>2</sup> )	20 gpm (76 Lpm)
S1-20BB	4½" x 20" (114 mm x 508 mm)	20	1.2 psi @ 10 gpm (0.08 bar @ 38 Lpm)	4280 in. <sup>2</sup> (2.77 m <sup>2</sup> )	35 gpm (132 Lpm)

### Materials of Construction

Filter Media	Resin-Impregnated Cellulose
End Caps	Vinyl Plastisol
Core	Polypropylene
Netting	Polyethylene
Temperature Rating	40–145°F (4.4–62.8°C)

NOTE: S1-BB and S1-20BB are for use in 10" and 20" Big Blue® housings and BBFS systems only.

NOTE: Big Blue (BB) is a registered trademark of Pentair Filtration, Inc.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.



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