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 unitized 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.

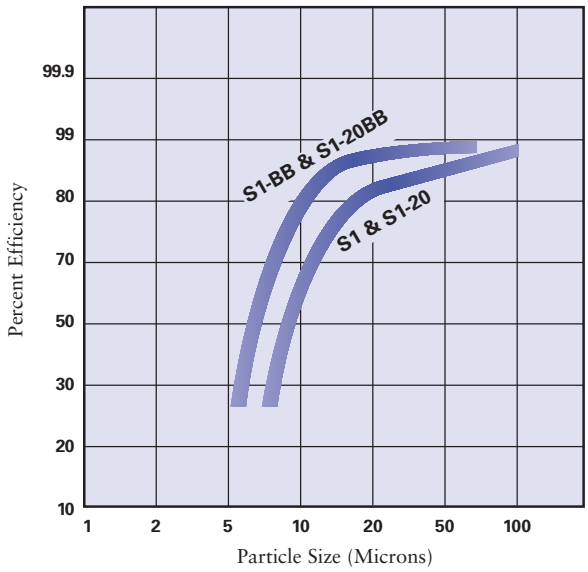
S1 Series cartridges are economically priced and highly effective at reducing sediment particles down to 20-microns in size.

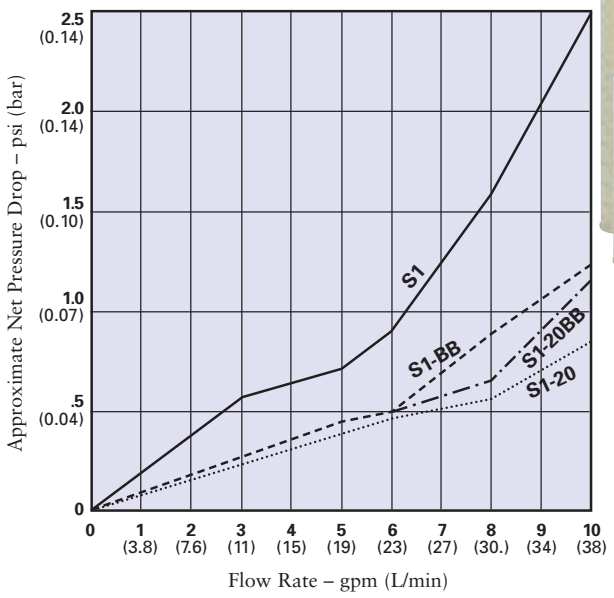
PENTEK FILTRATION

Pure Quality.™

S1 SERIES

Pleated Cellulose Sediment Cartridges





Cartridge Specifications and Performance Data

Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)	Surface Area	Recommended Flow Rate
S1	2-5/8" x 9-3/4" (67 x 248 mm)	20	2.4 psi @ 10 gpm (0.17 bar @ 38 L/min)	580 sq. in. (0.38 m²)	12 gpm (45 L/min)
S1-20	2-5/8" x 20" (67 x 508 mm)	20	0.8 psi @ 10 gpm (0.06 bar @ 38 L/min)	1110 sq. in. (0.72 m²)	15 gpm (57 L/min)
S1-BB	4-1/2" x 9-3/4" (114 x 248 mm)	20	1.2 psi @ 10 gpm (0.08 bar @ 38 L/min)	2070 sq. in. (1.34 m²)	20 gpm (76 L/min)
S1-20BB	4-1/2" x 20" (114 x 508 mm)	20	1.2 psi @ 10 gpm (0.08 bar @ 38 L/min)	4280 sq. in. (2.77 m²)	35 gpm (132 L/min)

Materials of Construction

- **Filter Media** — Resin-Impregnated Cellulose
- **End Caps** — Vinyl Plastisol
- **Core** — Polypropylene
- **Netting** — Polyethylene
- **Temperature Rating** — 40˚F to 145˚F (4.4˚C to 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 Water Treatment.
WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

ISO-9001 REGISTERED MANUFACTURER

Distributed By:
Roanoke Water Treatment, Inc.
1948 Franklin Road SW
Roanoke, VA 24014
(540)982-2324

Pentair Water Treatment

Printed in U.S.A. 01/04 310059