

PENTEK® ECP SERIES

PLEATED CELLULOSE POLYESTER CARTRIDGES

HIGHER WET STRENGTH THAN REGULAR CELLULOSE CARTRIDGES



Pentair® Pentek® ECP Series Cartridges are manufactured from a special formulation of resin-impregnated cellulose and polyester fibers.

This unique blend of materials provides a higher wet strength than regular cellulose cartridges. It also provides high flow rates and dirt-holding capacity, while maintaining extremely low pressure drop.

The media is pleated around a polypropylene core for added strength. The pleated end caps of the standard cartridges are immersed in a thermo-setting vinyl plastisol. The Big Blue® cartridges have a molded end cap with gaskets. The pleated ends are sealed to the endcap with a thermoplastic adhesive. The overlap seam is sonically welded to reduce internal bypass, improving filtration efficiency.

ECP Series Cartridge end caps feature a color-coding system for easy identification of micron ratings: tan (1 micron), white (5 micron), blue (20 micron), yellow (50 micron).

ECP Series Cartridges contain more media surface area than most competitive cartridges. The Standard 10" ECP cartridge contains 6 ft.² of media, where most cartridges contain only 4.5 ft.². Other available ECP cartridge sizes contain the following amount of media:

- Standard 10" cartridge: 6 ft²
- Standard 20" cartridge: 12 ft²
- BB 10" cartridge: 18 ft²
- BB 20" cartridge: 36 ft²

FEATURES/BENEFITS

Replaces Pentek CP and HFCP Series Cartridges

Special formulation of resin-impregnated cellulose and polyester fibers

Provides higher wet strength than regular cellulose cartridges

Minimal unloading and media migration

Nominal 1, 5, 20, 50 micron rating

Lengths: 10", 20"

SPECIFICATIONS

Filter Media – Cellulose polyester

Standard End Caps – Vinyl plastisol

Big Blue End Caps – Polypropylene

Core – Polypropylene

Temperature Rating – 40-125°F (4.4-51.7°C)

SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	ENDCAP COLOR	MAXIMUM DIMENSIONS	RATING (NOMINAL)	INITIAL (PSI) @ FLOW RATE (GPM)
ECP1-10	255481-43	Tan	2.63" x 9.75" (67 mm x 248 mm)	1 micron	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP5-10	255482-43	White	2.63" x 9.75" (67 mm x 248 mm)	5 micron	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP20-10	255483-43	Blue	2.63" x 9.75" (67 mm x 248 mm)	20 micron	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP50-10	255484-43	Yellow	2.63" x 9.75" (67 mm x 248 mm)	50 micron	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP1-20	255485-43	Tan	2.63" x 20" (67 mm x 508 mm)	1 micron	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP5-20	255486-43	White	2.63" x 20" (67 mm x 508 mm)	5 micron	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP20-20	255487-43	Blue	2.63" x 20" (67 mm x 508 mm)	20 micron	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP50-20	255488-43	Yellow	2.63" x 20" (67 mm x 508 mm)	50 micron	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP1-BB	255489-43	Tan	4.5" x 9.75" (114 mm x 248 mm)	1 micron	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
ECP5-BB	255490-43	White	4.5" x 9.75" (114 mm x 248 mm)	5 micron	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
ECP20-BB	255491-43	Blue	4.5" x 9.75" (114 mm x 248 mm)	20 micron	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
ECP50-BB	255492-43	Yellow	4.5" x 9.75" (114 mm x 248 mm)	50 micron	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
ECP1-20BB	255493-43	Tan	4.5" x 20" (114 mm x 508 mm)	1 micron	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
ECP5-20BB	255494-43	White	4.5" x 20" (114 mm x 508 mm)	5 micron	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
ECP20-20BB	255495-43	Blue	4.5" x 20" (114 mm x 508 mm)	20 micron	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
ECP50-20BB	255496-43	Yellow	4.5" x 20" (114 mm x 508 mm)	50 micron	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)

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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