# 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 ft$^2$**
**– Standard 20" cartridge: 12 ft$^2$**
**– BB 10" cartridge: 18 ft$^2$**
**– BB 20" cartridge: 36 ft$^2$**

## 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 – 40-125ºF (4.4-51.7ºC)

## 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.

PENTAIR

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