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 endcaps of the standard cartridges are immersed in a thermo-setting vinyl plastisol. The Big Blue cartridges have a molded endcap 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 endcaps feature a color-coding system for easy identification of micron ratings: tan (1 micron), white (5 micron), blue (20 micron), and yellow (50 micron).

ECP Series Cartridges contain more media surface area than most competitive cartridges. The Standard 10" ECP cartridge contains 6 ft² of media while most cartridges contain only 4.5 ft². 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 Endcaps – Vinyl plastisol

Big Blue Endcaps – Polypropylene

Core – Polypropylene

Temperature Rating – 40-125ºF (4.4-51.7ºC)

The 255481-43 and 255485-43 are certified Halal by the Islamic Service of America.

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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