



Hardy Filtration

Integrated filtration solutions: air, water & oil



ECP Series – Pleated Cellulose Polyester

AMETEK

Description

Pleated Cellulose Polyester Cartridges

- » Replaces 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

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.

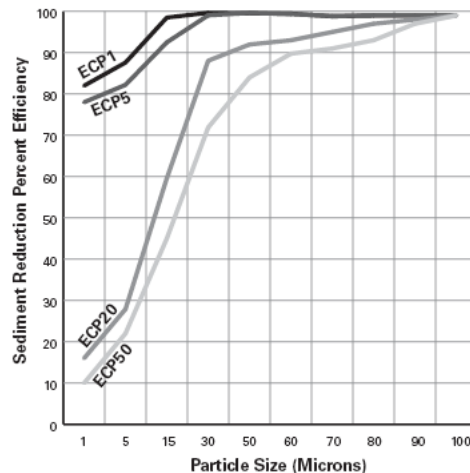
The media is pleated around a polypropylene core for added strength and the ends are immersed in a thermo-setting vinyl plastisol. Embedding and sealing each end of the pleat block in this fashion fuses the components together forming a unified endcap and gasket.

ECP Series cartridges endcaps 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-inch ECP cartridge contains six square feet of media, where most cartridges contain only 4.5 square feet. Other available ECP cartridge sizes contain the following amount of media. Other available ECP cartridge sizes contain the following amount of media:

- » Standard 20-inch cartridge – 12 ft²
- » 10-inch BB cartridge – 18 ft²
- » 20-inch BB cartridge – 36 ft²





Cartridge Specifications and Performance Data

Model	End Cap Color	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)
ECP1-10	Tan	2½" x 9¾" (67mm x 248mm)	1	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP5-10	White	2½" x 9¾" (67mm x 248mm)	5	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP20-10	Blue	2½" x 9¾" (67mm x 248mm)	20	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP50-10	Yellow	2½" x 9¾" (67mm x 248mm)	50	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP1-20	Tan	2½" x 20" (67mm x 508mm)	1	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP5-20	White	2½" x 20" (67mm x 508mm)	5	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP20-20	Blue	2½" x 20" (67mm x 508mm)	20	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP50-20	Yellow	2½" x 20" (67mm x 508mm)	50	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP1-BB	Tan	4½" x 9¾" (114mm x 248mm)	1	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
ECP5-BB	White	4½" x 9¾" (114mm x 248mm)	5	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
ECP20-BB	Blue	4½" x 9¾" (114mm x 248mm)	20	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
ECP50-BB	Yellow	4½" x 9¾" (114mm x 248mm)	50	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
ECP1-20BB	Tan	4½" x 20" (114mm x 508mm)	1	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
ECP5-20BB	White	4½" x 20" (114mm x 508mm)	5	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
ECP20-20BB	Blue	4½" x 20" (114mm x 508mm)	20	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
ECP50-20BB	Yellow	4½" x 20" (114mm x 508mm)	50	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)

Materials of Construction

Filter Media: Cellulose Polyester

Core: Polypropylene

End Caps: Vinyl Plastisol

Maximum Temperature: 40-125°F (4.4-51.7°C)

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