

## Pleated & Membrane Filter Cartridges



### ECP-Cellulose polyester pleated cartridge with vinyl end caps

ECP cartridges are pleated around a solid polypropylene core. The filter medium is manufactured from resin-impregnated cellulose and polyester fibers. The end caps are immersed in a thermo-setting vinyl plastisol and are colour coded for easy identification of the micron ration. The available filter rations are 1 µm (tan), 5 µm (white), 20 µm (blue) and 50 µm (yellow). Furthermore the ECP-Pleated cartridges are offered in two standard lengths of 9 ¾" and 20" as well as in the both diameters of 67 mm and 114 mm in the BigBlue version.

#### ECP-Pleated cartridge, nominal

##### Technical data

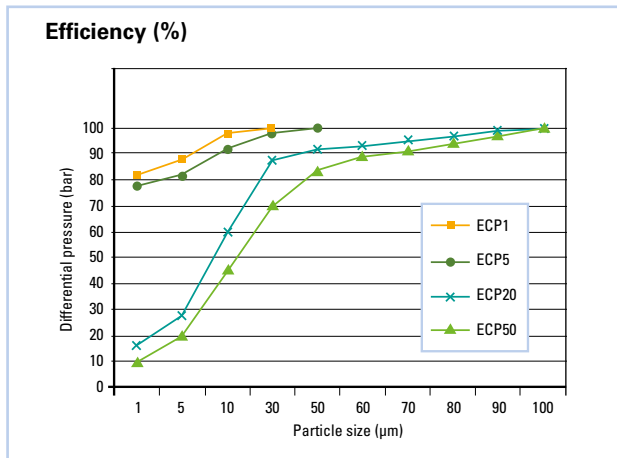
Filter medium:	Cellulose-polyester	
Core support:	Polypropylen	
Adapter:	Vinyl plastisol	
Filter ration:	1 µm (tan) / 5 µm (white) / 20 µm (blue) / 50 µm (yellow)	
Filter surface area:	0.55 m <sup>2</sup> / 10" Standard	
	1.11 m <sup>2</sup> / 20" Standard	
	1.67 m <sup>2</sup> / 10" BigBlue	
	3.34 m <sup>2</sup> / 20" BigBlue	
Temperature:	5 – 50 °C	
Differential pressure:	Filter exchange recommended at 1.5 bar	
Dimensions:	Standard version:	Internal diameter 27 mm
		External diameter 67 mm
		Length 9 ¾" and 20"
	BigBlue version:	Internal diameter 27 mm
		External diameter 114 mm
		Length 9 ¾" and 20"

##### Applications

- Process filter of aqueous and light viscous fluids
- Universal filter for general applications for removal of suspended sediments and particles.
- Pre- and post-filter in water treatment plants
- Fine filter for cooling circuits
- Strainer for the protection of pumps, valves, injectors or heat exchangers

##### Features and Benefits

- Nominal pleated cartridge
- Filter medium made from resin-impregnated cellulose and polyester fibres
- Filter ration colour coded
- High flow rate capacity
- BigBlue version with outer diameter 114 mm
- Thermal fixed end caps
- Long service life, high dirt-retention capacity
- Low differential pressure



### Recommended flow rate / Differential pressure

Typ	Recommended flow rate	Differential pressure
ECP01-10	25 l/min	38 l/min at 0.1bar
ECP05-10	25 l/min	38 l/min at 0.1bar
ECP20-10	25 l/min	38 l/min at 0.1bar
ECP50-10	25 l/min	38 l/min at 0.1bar
ECP01-20	50 l/min	38 l/min at 0.1bar
ECP05-20	50 l/min	38 l/min at 0.1bar
ECP20-20	50 l/min	38 l/min at 0.1bar
ECP50-20	50 l/min	38 l/min at 0.1bar
ECP01-10BB	40 l/min	76 l/min at 0.1bar
ECP05-10BB	40 l/min	76 l/min at 0.1bar
ECP20-10BB	40 l/min	76 l/min at 0.1bar
ECP50-10BB	40 l/min	76 l/min at 0.1bar
ECP01-20BB	80 l/min	76 l/min at 0.1bar
ECP05-20BB	80 l/min	76 l/min at 0.1bar
ECP20-20BB	80 l/min	76 l/min at 0.1bar
ECP50-20BB	80 l/min	76 l/min at 0.1bar

### Order information

Typ	Colour of end cap	Lenght	Filter ration	Order-No.
ECP01-10	Tan	9 ¾" (248 mm)	1 µm	006446
ECP05-10	White	9 ¾" (248 mm)	5 µm	006447
ECP20-10	Blue	9 ¾" (248 mm)	20 µm	006448
ECP50-10	Yellow	9 ¾" (248 mm)	50 µm	006449
ECP01-20	Tan	20" (508 mm)	1 µm	006450
ECP05-20	White	20" (508 mm)	5 µm	006451
ECP20-20	Blue	20" (508 mm)	20 µm	006452
ECP50-20	Yellow	20" (508 mm)	50 µm	006453
ECP01-10BB	Tan	9 ¾" (248 mm)	1 µm	006454
ECP05-10BB	White	9 ¾" (248 mm)	5 µm	006455
ECP20-10BB	Blue	9 ¾" (248 mm)	20 µm	006456
ECP50-10BB	Yellow	9 ¾" (248 mm)	50 µm	006457
ECP01-20BB	Tan	20" (508 mm)	1 µm	006458
ECP05-20BB	White	20" (508 mm)	5 µm	006459
ECP20-20BB	Blue	20" (508 mm)	20 µm	006460
ECP50-20BB	Yellow	20" (508 mm)	50 µm	006461