

## CB Micro-Carbon™ II Series Filter Cartridges

### High Efficiency Carbon Block Filtration

- Economical alternative to granular activated carbon cartridges
- High porosity design maximizes utilization of carbon to prevent premature plugging
- Proprietary manufacturing process yields a filter with greater dirt-holding capacity
- DOE end configuration
- Absorbs oil vapor

### Performance Specifications

#### Filter grade<sup>1</sup>

5 µm

#### Initial Δ P @ flow rate

24.8 cm (9.75 in), 25.4 cm (10 in):  
.07 bard @ 3.8 lpm (0.95 psid @ 1 gpm)

50.8 cm (20 in):  
.06 bard @ 7.6 lpm (0.85 psid @ 2 gpm)

#### Chlorine reduction @ flow rate<sup>2</sup>

24.8 cm (9.75 in), 25.4 cm (10 in):  
>22,713 liters @ 3.8 lpm (>6,000 gallons @ 1 gpm)

50.8 cm (20 in):  
>45,425 liters @ 7.6 lpm (>12,000 gallons @ 2 gpm)

#### Maximum operating temperature

82.2°C (180°F)

#### Food and water contact use

Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use.



### Product Specifications

#### Materials of construction

Filter media:	Bonded porous activated carbon with polyethylene binders <sup>3</sup>
End caps:	Polypropylene
Inner/outer wraps:	Polypropylene
Netting:	Polyethylene
Gaskets:	Santoprene <sup>4</sup>

#### Dimensions (nominal)

Outside diameter:	6.9 cm (2.7 in)
Inner diameter:	2.5 cm (1 in)
Lengths:	24.8 cm (9.75 in), 25.4 cm (10 in), 50.8 cm (20 in), 76.2 cm (30 in)

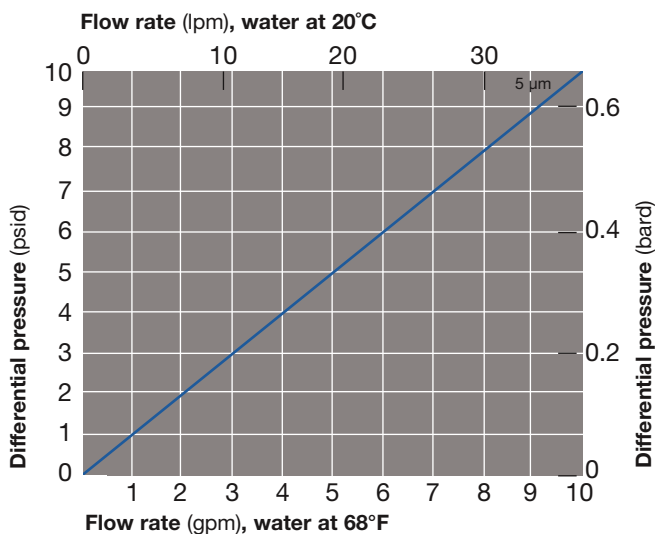
<sup>1</sup> Micron rating based on 85% or greater removal of a given particle size. Data obtained from actual particle counts using AC Fine Test Dust.

<sup>2</sup> Chlorine reduction data is for 2 ppm free chlorine to <0.5 ppm.

<sup>3</sup> Take binders into consideration when determining chemical compatibility.

<sup>4</sup> Registered trademark of Advanced Elastomer Systems.

## Liquid Flow Rate vs. Differential Pressure<sup>5</sup>



<sup>5</sup> Flow rate is for a 25.4 cm (10 in) cartridge. For liquids other than water, multiply differential pressure by fluid viscosity (cP).  
Unit conversion: 1 bar = 100 kPa.

## Ordering Information

Pall Part Number = C 1 P – CB5

Table 1

Code	Cartridge lengths cm/in (nominal)
9.75	24.8/9.75
10	25.4/10
20	50.8/20
30	76.2/30

## Applications

	Organics	Taste, Odor, Color	Chlorine	Particulate Removal
<b>Water</b>				
Drinking	✓	✓	✓	✓
Utilities	✓	✓	✓	✓
<b>Chemicals</b>				
Single Pass	✓	✓		✓
Recirculating				Use pre-filter

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

NOTE: These cartridges contain a very small amount of carbon fines (very fine black powder). After installation, flush the cartridge for a minimum of 5 minutes to remove all traces of the fines before using the water. You should run (flush) the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily.

CAUTION: Filter must be protected against freezing, which can cause cracking of the filter and water leakage.



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Filtration. Separation. Solution.<sup>SM</sup>

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Pall Corporation has offices and plants throughout the world. For Pall representatives in your area, please go to [www.pall.com/contact](http://www.pall.com/contact).

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