



## PHP/AHP MICRO-CARBON® II Series Filter Cartridges

### Granular Activated Carbon Filter Cartridges for Liquid and Gas Applications

- One-step Activated Carbon and Nominal 3 Micron Particle Reduction Eliminates Problems Associated with Loose Carbon Treatment
- Porous, Polyethylene Outer Shell and Polypropylene End Caps
- Choice of Low Sulphur Activated Carbon or Anthracite Based Activated Carbon

#### Liquids:

- Reduces Organics and Particulate from Plating, Acid, Alkaline and Hydrocarbon Solutions
- Chlorine Reduction from Water with Low Flow Rates
- Entire Carbon Bed Exposed to Flow While Minimizing Amount of Carbon Fines Downstream

#### Gas:

- Reduction of Chlorine Gases, Organics Such as Oil Mist and Water Vapor, and Fine Dust and Scale Particles
- Activated Carbon Absorbs Finely Dispersed Oil, Smoke Odors and Aqueous Mist that Penetrates the Shell
- Inner Layers Provide for an Excellent Air Polishing Medium

### Performance Specifications

#### Filter Grade:

3 µm

#### Recommended Flow Rates<sup>1</sup>:

Model	Liquids (gpm)	Gases (scfm)
C9.75P-PHP/AHP	1.5 (5.7 lpm)	60
C10P-PHP/AHP	1.5 (5.7 lpm)	60
C20P-PHP/AHP	3 (11 lpm)	120
C30P-PHP/AHP	4.5 (17 lpm)	180

#### Maximum Operating Temperature:

180°F (82.2°C)

#### FDA Listed Materials:

All polymeric materials are listed for food contact applications in Title 21 of the U.S. **Code of Federal Regulations**.

### Product Specifications

#### Materials of Construction:

Carbon Type:	PHP - Coconut Shell Based AHP - Acid Washed Anthracite (Coal) Based
Outer Shell:	Porous, High Density Polyethylene (70 µm nominal)
End Caps:	Polypropylene
Gaskets:	Neoprene
Inner Core:	Polypropylene media over polypropylene inner core



#### Dimensions (nominal):

Outside Diameter:	2 7/16" (6.9 cm)
Inner Diameter:	1" (2.5 cm)
Lengths:	9 3/4" (24.8 cm), 10" (25.4 cm), 20" (50.8 cm), 30" (76.2 cm)

#### Approximate Amount of Carbon:

Model	Ounces
C9.75P-PHP/AHP	7 (198 g)
C10P-PHP/AHP	7 (198 g)
C20P-PHP/AHP	14 (397 g)
C30P-PHP/AHP	21 (595 g)

<sup>1</sup> - For enhanced performance, operate at recommended flow rate.

## Applications

	Oil Vapor	Organics	Taste, Odor, Color	Chlorine	Particulate Removal
<b>Water:</b>					
Drinking		✓	✓	✓	
Bottle Washing		✓	✓	✓	
Rinse Water		✓	✓	✓	
Recirculating		✓	✓	✓	Use Pre-filter
<b>Chemicals:</b>					
Recirculating		✓			Use Pre-filter
<b>Gases:</b>					
Air, Plant	✓	✓	✓		Use Pre-filter
Air, Instrument	✓	✓	✓		Use Pre-filter
Air, Breathable	✓	✓	✓		Use Pre-filter
Gas, Compressed	✓	✓	✓		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.

## Part Numbers/Ordering Information

C ● P – ▶ (e.g., C9.75P-PHP)

Code ●	Cartridge Lengths (nominal)	Code ▶	Carbon Type
9.75	9.75"	PHP	High Purity Coconut Shell Based Carbon
10	10"		
20	20"	AHP	Anthracite Based Carbon
30	30"		



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