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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 rates¹

Model	Liquids lpm (gpm)	Gases m ³ /min (scfm)
C9.75P-PHP/AHP	5.7 (1.5)	1.7 (60)
C10P-PHP/AHP	5.7 (1.5)	1.7 (60)
C20P-PHP/AHP	11 (3)	3.4 (120)
C30P-PHP/AHP	17 (4.5)	5.1 (180)

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

- 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: Herculene
- Inner core: Polypropylene media cover, polypropylene inner core, natural rubber core cover retainers

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)

Approximate amount of carbon

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

¹ For enhanced performance, operate at recommended flow rate.

Applications²

	Oil Vapor	Organics	Taste, Odor, Color	Chlorine	Particulate Removal
Water					
Drinking		✓	✓	✓	
Utilities		✓	✓	✓	
Chemicals					
Recirculating		✓			Use Pre-filter
Gases					
Air, plant	✓	✓	✓		Use Pre-filter
Air, instrument	✓	✓	✓		Use Pre-filter
Air, breathable	✓	✓	✓		Use Pre-filter
Gas, compressed	✓	✓	✓		Use Pre-filter

² As individual processes can vary, it is the user's responsibility to assess the applicability relative to their own conditions of use.

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 cm / in (nominal)	Code ▶	Carbon Type
9.75	24.8 / 9.75	PHP	High purity coconut shell-based carbon
10	25.4 / 10		
20	50.8 / 20	AHP	Anthracite-based carbon
30	76.2 / 30		

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Because of technological developments related to the products, systems, and/or services described herein, the data and procedures are subject to change without notice. Please consult your Pall representative or visit www.pall.com to verify that this information remains valid.

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