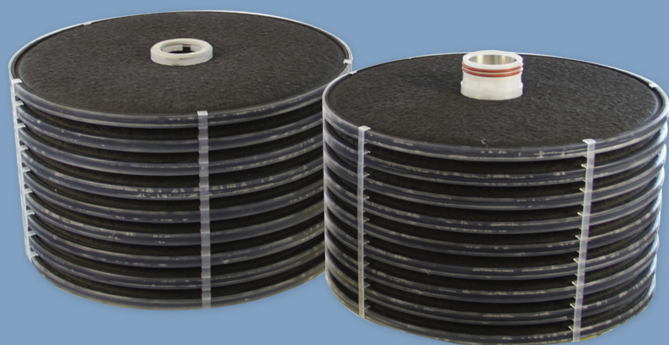


# aspire<sup>®</sup> Depth-Clear C-Series

## High Capacity Activated Carbon Filter Modules



Depth-Clear C-Series filter modules are comprised of highly porous activated carbon, cellulose fibers and a cationic resin. The unique formulation process creates filter media with exceptionally high void volume allowing the module to be an efficient absorber of color, hazes, proteins and bioburden. The resin bonded carbon cellulose matrix of Depth-Clear C-Series media eliminates many of the common process and safety issues associated with bulk activated carbon.

CLARCOR Industrial Air offers two grades of carbon, 1062 and 1064, to cover a broad range of applications. Each grade of Depth-Clear C-Series media is formulated to optimize retention and flow properties. The automated production process results in very consistent product quality and filtration performance. The modules are available in configurations that provide up to 38 m<sup>2</sup> of surface area per module.

### Features & Benefits

- The carbon integrated media design reduces operator health and safety issues by virtually eliminating carbon dust.
- The proprietary formulation results in depth media with exceptionally high void volume for efficient decolorization and purification of process fluids. The module format offers significantly higher capacities than conventional carbon filter cartridges.
- Processing time is decreased when compared to bulk activated carbon systems.
- Filter modules are easy to handle and install. This allows for quick and easy change-outs.
- Manufactured in an ISO 9001: 2008 Certified Quality System Environment.

#### 1062

Cartridge Size	Carbon g/m <sup>2</sup>	Carbon content/module
12" (30.5cm)	500g/m <sup>2</sup>	900 Grams
16" (40.6cm)	500g/m <sup>2</sup>	1,750 Grams

#### 1064

Cartridge Size	Carbon g/m <sup>2</sup>	Carbon content/module
12" (30.5cm)	650g/m <sup>2</sup>	1,170 Grams
16" (40.6cm)	650g/m <sup>2</sup>	2,275 Grams

### Applications

- Antibiotic Decolorizing
- Blood Fractionation
- Catalyst Removal
- Deodorization of Beverages & Fruit Juices
- Decolorizing Fine Chemicals
- Decolorizing Perfumes
- Decolorizing Spirits, Wine and Cider
- Decolorizing Silicone Oil
- Dechlorination of Water
- Detergent Removal
- Endotoxin Removal

For more information, contact your aspire<sup>®</sup> representative at  
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# CLARCOR

Industrial Air

# aspire® Depth-Clear C-Series

## High Capacity Activated Carbon Filter Modules

### Performance Specifications

Maximum Pressure	Maximum Temperature	Recommended Flow Rate	FDA Conformity	Toxicity
35 psid @ 140°F / 60°C	180°F / 82°C	0.5 to 1 gpm/ft <sup>2</sup> 20.4 L/min/m <sup>2</sup>	All materials conform to FDA standards regarding material contact during food and beverage processing.	Depth-Clear filter medium meets the requirements of USP Biological Test for Plastics, Class VI, and are considered non-cytotoxic per ISO 10993-5.

### Nominal Dimensions

Cartridge Size	C9	C16	D14	D14B
Diameter in (cm)	11 1/8 (28.3)	11 1/8 (28.3)	16 3/4 (42.6)	16 3/4 (42.6)
Height in (cm)	7 11/16 (29.7)	10 7/8 (27.6)	10 7/8 (27.6)	13 (33.0)
Filter Area ft <sup>2</sup> (m <sup>2</sup> )	11 (1.0)	19 (1.8)	38 (3.5)	38 (3.5)
# Cells	9	16	14	14

### Materials of Construction

Media	Activated Carbon and Cellulose Fibers and Resin Binders
Flat Adapter	Polypropylene
Core Straps	Stainless Steel
O-Rings/Gaskets	EPR, Silicone, Neoprene, Nitrile, Viton®, Teflon®, Expanded Teflon®
Bayonet Adapter	Polypropylene
Support Material	Polypropylene

### Carbon Differences

1062
• Improve Dark Color Reduction
• Food Grade
• Large Pore Structure
• Metal ION Removal

### Carbon Differences

1064
• Improve color reduction in mid color Grades
• Yellows to light browns
• Medium pore structure
• Validated carbon

### Sterilization

In-situ Steam: 20 min. @ 134°C (273°F)  
 1 hr. @ 126°C (258°F)  
 Autoclave: 30 min. @ 121°C (249°F)

### Cartridge Selection Guide

Media	Grade Designation	Formulation	Series	Number of Cells	Gasket Material	Adapter
<b>NA</b>	<b>1064</b>	<b>K</b>	<b>C</b>	<b>C16</b>	<b>01</b>	<b>B</b>
NA = Depth-Clear	1064	K Grade	C = Carbon	C9*	01 = EPR	Bayonet = B
	1062			C16	02 = Neoprene	Flat = Blank
				D14	03 = Silicone	
					04 = Nitrile	
					08 = Viton®	
					09 = Teflon®	
					15 = Expanded Teflon®	

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\*Not Available in Bayonet Style

For more information,  
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