



## 1064 Grade Activated Carbon Lenticular Filters

The activated carbon lenticular filters are comprised of highly porous activated carbon, cellulose fibers, and a cationic resin. The carbon integrated media design reduces operator health and safety issues by virtually eliminating carbon dust. The unique formulation process creates filter media with exceptionally high void volume allowing the filter to be an efficient absorber of color, hazes, proteins, and bioburden. The activated carbon media is formulated to optimize retention and flow properties. The automated production process results in very consistent product quality and filtration performance. Lenticular filters are easy to handle and install which allows for quick and easy change-outs.

### Application

Antibiotic Decolorizing

Decolorizing Fine Chemicals

Catalyst Removal

Deodorization of Beverages

Endotoxin Removal

Decolorizing Perfumes

Decolorizing Spirits, Wine and Cider

Detergent Removal

Dichlorination of Water

**Part Number: NA1064KCD14-03; 16-in 1064 grade carbon lenticular filter with silicone gasket**



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## Technical Data Sheet

### Popular Configuration:

Part Number	Filter Area ft <sup>2</sup> [m <sup>2</sup> ]	Number of Cells	Diameter in [cm]	Height in [cm]	Carbon Content [Grams]	Standard Gasket
NA1064KCC9-03	11 [1.0]	9	11.13 [28.3]	7.69 [19.5]	1170	Silicone
NA1064KCC16-03	19 [1.8]	16	11.13 [28.3]	10.88 [27.6]	1170	Silicone
NA1064KCD14-03	38 [3.5]	14	16.75 [42.6]	10.88 [27.6]	2275	Silicone
NA1064KCD14B-03	38 [3.5]	14	16.75 [42.6]	13.0 [33.0]	2275	Silicone

### Materials of Construction

Media: Activated Carbon, Cellulose Fibers, and Resin Binders

Flat Adapter: Polypropylene

Core Straps: Stainless Steel

Support Material: Polypropylene

Bayonet Adapter (if any): Polypropylene

### Recommended Flow Rate:

0.26 - 1 gpm/ft<sup>2</sup>

20 - 40 lpm/m<sup>2</sup>

### Operating Conditions:

Maximum Pressure: 2.4 bar (345 psi) at 140°F/60°C

Maximum Operating Temperature: 180°F/60°C

### Regulatory Compliance:

Manufactured in an **ISO 9001: 2008** Certified Quality System Environment Filter.

### Sterilization:

Autoclave: 30 minutes at 121°C (249°F)

Inline Steam: 20 minutes at 131°C (270°F) and 1 hr. at 126°C (258°F)

### FDA Conformity:

All materials conform to FDA standards regarding material contact during food and beverage processing.

### Toxicity:

The filter media meets the requirements of USP Biological Test for Plastics, Class VI, and are considered non-cytotoxic per **ISO 10993-5**.

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## Special Configuration:

### Carbon Grade Options:

- ❖ 1062 [500 g Carbon per m<sup>2</sup>]
  - Improve dark color reduction
  - Food Grade
  - Large Pore Structure
  - Metal ION Removal
- ❖ 1064 [650 g Carbon per m<sup>2</sup>]
  - Improve color reduction in mid color Grades
  - Yellows to light browns
  - Medium pore structure
  - Validated carbon
  - Low pH
  - Acid washed (providing low acid soluble iron content)

### Number of Cell Options:

- 9 cells
- 14 cells
- 16 cells

### Gasket Material Options:

- EPR
- Neoprene
- Silicone
- Nitrile
- Viton
- Teflon
- Expanded Teflon

### Adapter Options:

- Flat
- Bayonet