

charge modified depth filtration

Carbon Media

Charge Modified

Color Removal

Endotoxin Reoval

Customized Grade

Metal impurities removal

Customized Filtratin Areas

Color Removal

Endotoxin Reoval



**CMDF Carbon**  
Carbon Media Filter



CMDF Carbon Media filter

CHEMICAL | PHARMA | BIOTECH | FOOD & BEV | ELECTRONICS



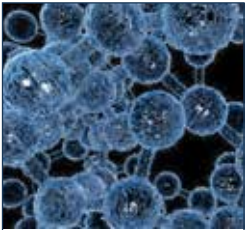
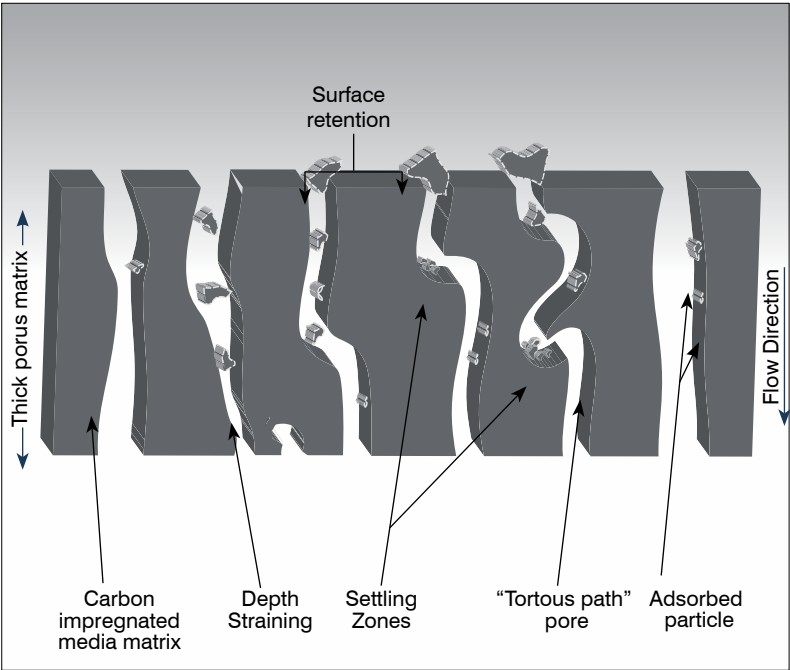


Microfilt charge modified depth filter carbon modules are comprised of highly porous activated carbon combined with cellulose fibers. The unique formulation process creates filter media with exceptionally high void volume allowing the module to be efficient in decolorizing fluids and absorbing a wide array of unwanted contaminants from process streams. Microfils CMDF carbon series modules eliminates many of the common process and safety issues associated with bulk activated carbon technology. Each grade of CMDF carbon media is formulated to optimize retention and flow properties to meet an application's requirements. Manufacturing by means of an advanced, highly automated production process results in very consistent product quality and filtration performance. Microfilt CMDF carbon Module filter is available 12"and 16" diameter with customized area and as per customer requirements.

Features and Benefits

Immobilized carbon in a cellulose-resin binder matrix.	Eliminates the handling of bulk powdered carbon, eliminates equipment and solvent contamination with carbon dust and improves worker safety.
Variety of carbon types available	Provides a customized solution that enables maximum process economy, fewer unit operations and less re-work of off spec material.
Efficient adsorption	Reduces equivalent carbon quantity
Easy to install filter cartridges.	Easy to use, reduces labor costs, positive sealing mechanism.
Full range of cartridge and capsule configurations.	Full range of scalable configurations from bench top to production.
Quality of filtrate equivalent to bulk carbon treatment	Eliminates messy handling
Variety of module sizes and filtration surface areas	Flexible options for all flow requirements.
The advanced manufacturing process control	Results in very uniform filtration media and consistent lot-to-lot performance.

- ✓ High Adsorption
- ✓ Depth Media
- ✓ Charge Modified
- ✓ Color Reduction
- ✓ With Filter Aid
- ✓ Steam Sterilizable
- ✓Organics Removal



Material of Construction		
Filter Media		Activated Carbon and Cellulose Fibers
End Connection		DOE
Internals		Polypropylene
O-Rings		Refer Ordering Guide
Grades Available		
CMDF	71CP, 72CP, 73CP*	
Outside Diameter (Nominal)		
inches	12, 16	
Configuration of Sheet Size (Nominal)		
Round (Inch /mm)	8”(202), 8.5”(222), 14”(352), 18”(461), 18.5”(470), 24”(610)	
Square(cms)	20x20, 40x40, 60x60	
Operating Parameters		
Temperature °C / °F [Max]		140 / 284
Pressure [Max] Bar / psi		10 / 145
Filtration Area (Nominal)		
1 Cell  Carbon Pads	Diameter (Inch)	Effective Filtration Area (m²)
	12	0.11
	16	0.22

\*Customized Grades Available

BIOFILT

Blood Fractionation, Vaccine

CHEMFILT

API, Pesticides, Removal-Catalysts, Organic Contaminants, Decolorization

BEVFILT

Wine & Cider

PHARMAFILT

Antibiotics, Syrups, IV Solutions, Bioprocess Fluid

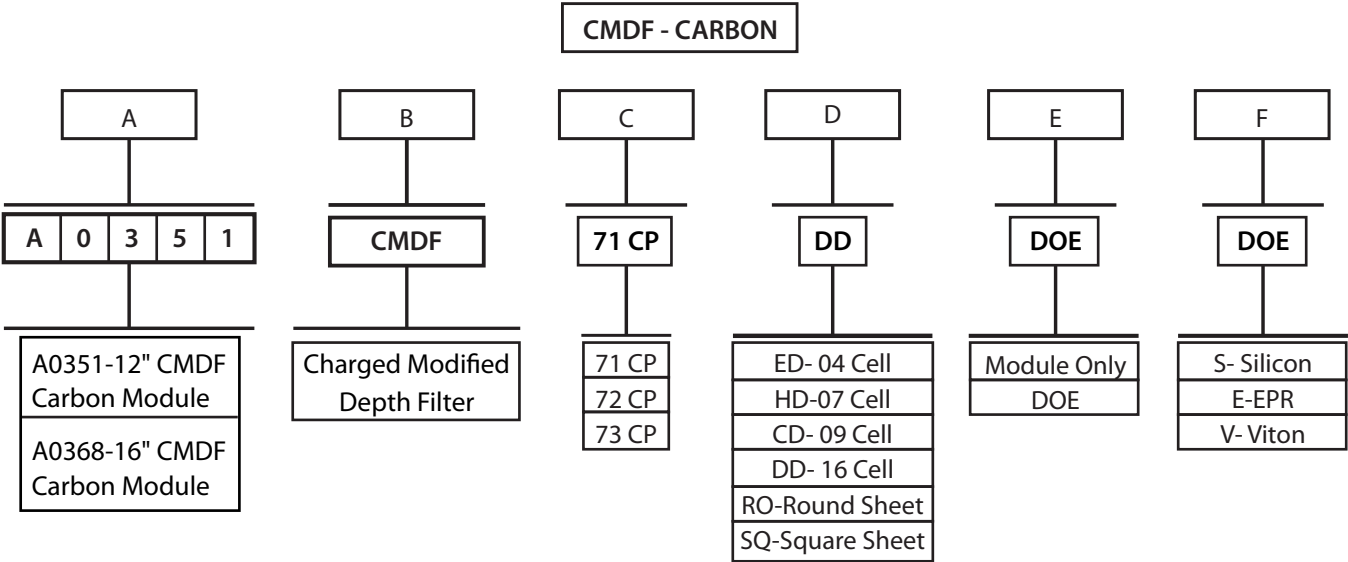
COATFILT

Resins

LIFEFILT

Perfumes, Shampoos, Water, Lotions

# ORDERING GUIDE



A - Product Code
B - MOC of filter media
C - Grade/ Micron Rating
D - Configuration( Length/Size)
E - End Connection
F - Sealing Elastomer

Sheet only
202
222
352
461
470
610
20 × 20
40 × 40
60 × 60



[www.microfiltindia.com](http://www.microfiltindia.com)

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● Mumbai    ● Ahmedabad    ● Pune    ● Hyderabad    ● Bangalore    ● Chennai

Note: Specifications and dimensions may change. Please check with us before ordering.