



ISO 9001:2000

# CARBON CANISTERS

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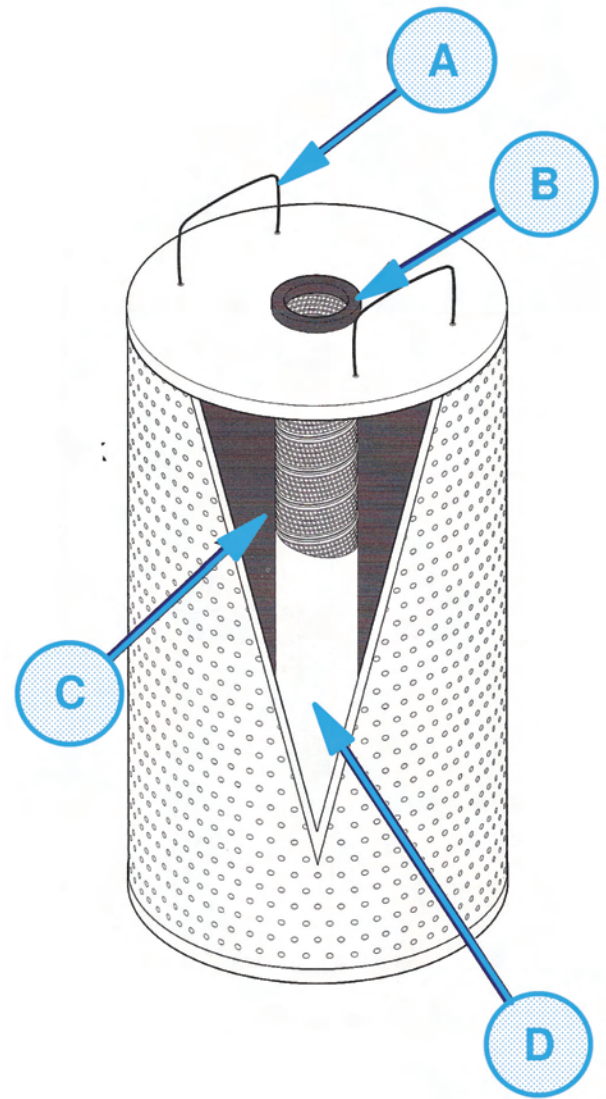
Filtration Systems makes a wide variety of activated carbon canisters for amine and glycol process purification. Our carbon grades have been specifically formulated to provide long service life and excellent solvent purification.

Both radial and vertical flow models are available in a variety of sizes to fit all popular housings. Our canisters are solidly constructed, with cable-steel handles and thick gaskets.

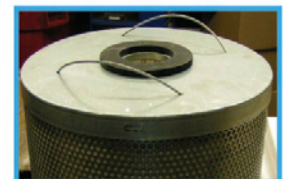
The carbon is sealed in a jersey-knit sock to prevent media migration, and the center tube ends are sealed to prevent bypass, all of which helps to assure trouble-free performance in your process units.



Carbon (8 x 30 Mesh)



- A** High-strength cable steel ball handles won't pull out under heavy loads, assuring trouble-free change-outs.
- B** Extra-thick high-temperature gaskets are securely attached to canister end caps.
- C** Two grades of activated carbon allow you to choose the right media for your particular application requirements. The carbon bed is compacted for extended service life.
- D** The center tube is wrapped with a jersey-knit woven cotton sock to prevent media migration. The top is sealed to prevent bypass through the carbon bed.





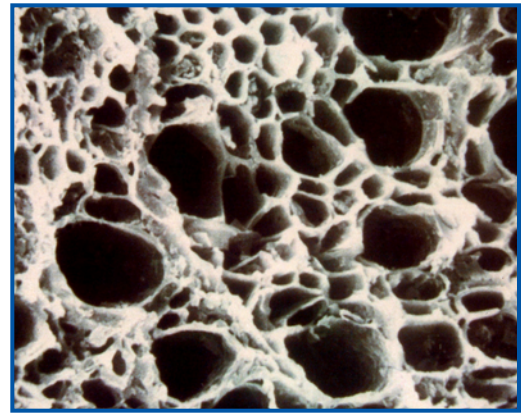
# ACTIVATED CARBON

Filtration Systems has developed proprietary grades of activated carbon that are specifically suited for amine and glycol purification. Our activated carbon is coal-based for maximum hardness to reduce dust. It has an optimum ratio of micropores to mesopores to remove dissolved organics, acidic degradation by-products and heat stable salt precursors.

Our carbon is water-rinsed to reduce leachable metals and it has a high percentage of mesopores to enhance removal of liquid hydrocarbons from the process chemicals.

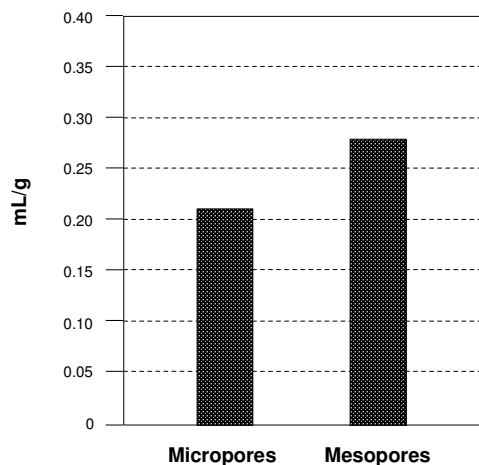
We also offer a larger 4 x 10 granule size to extend service life in units with high solids loading.

When used together with our high efficiency depth filters, your gas processing units will run cleaner, with less sulfide build-up, corrosion, carry-over or upsets, for lower operating costs and improved gas quality.

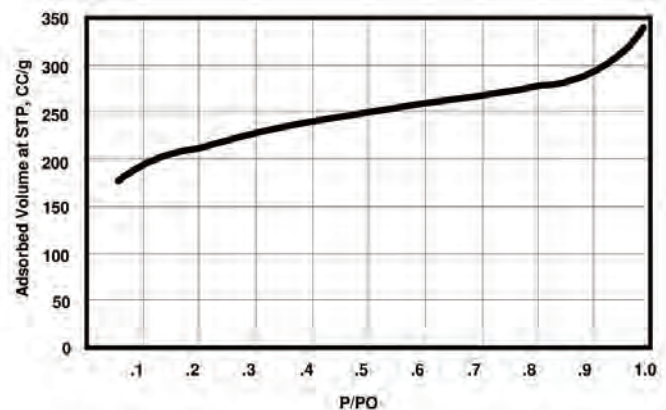


Carbon Media (500x)

## Pore Volume



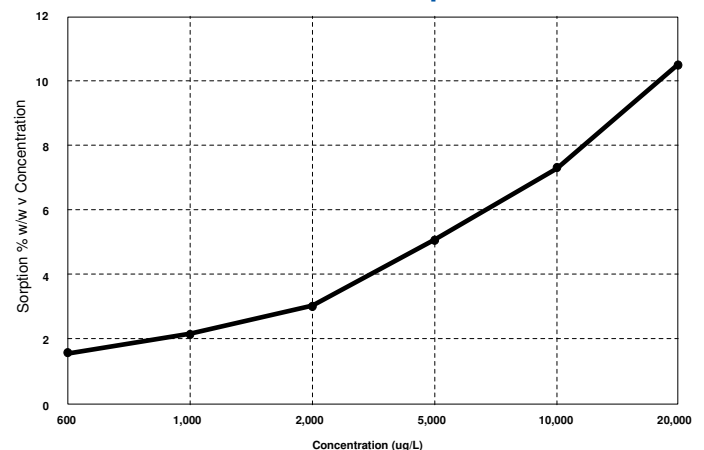
## Adsorption & Desorption Isotherms



## Specifications

Mesh Size	8 x 30
Iodine No.	>850
Molasses No.	230
Total Surface Area	704 m <sup>2</sup> /g

## Phenol Adsorption



## Nomenclature Chart:

# FS-RF1122-AC-LL

### FILTRATION SYSTEMS

### FLOW DIRECTION

RF	RADIAL FLOW
VF	VERTICAL FLOW

### DIAMETER

6	6.63" O.D.
7	7.25" O.D.
11	11.0" O.D.

### MEDIA TYPE

LL	LONG-LIFE CARBON
2.25	SPECIAL I.D. SIZES

### ACTIVATED CARBON

### LENGTH

18"	18.00" LONG
19"	19.13" LONG
20"	20.50" LONG
22"	22.13" LONG
30"	30.13" LONG
36"	36.50" LONG



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W229 N591 Foster Court • Waukesha, WI 53186  
Phone: 262.548.6210 • FAX: 262.548.6239

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