AF SERIES
CATALYTIC CARBON

KEY FEATURES

- **USE OF CALGON CENTAUR™ CATALYTIC CARBON**
- **REMOVAL OF CHLORAMINES AND HYDROGEN SULFIDE**
- **REDUCES RELIANCE ON ADDITIONAL CHEMICAL TREATMENT**

CATALYTIC CARBON/CALGON CENTAUR™

Aries FilterWorks Catalytic Carbon cartridge contains Calgon Centaur™ Carbon. This is a specially enhanced carbon developed through an advanced process starting as Granular Activated Carbon (GAC). By altering the electron structure of GAC, it enhances its catalytic capability, enabling it to cause chemical reactions without changing its structure. As a result, it promotes a wide range of chemical reactions where conventional carbons are not effective.

APPLICATIONS

RESIDENTIAL DRINKING WATER CHLORAMINES REMOVAL -
Chloramines are the result of standard chlorinating procedures, or are intentionally introduced by municipal water treatment plants. Replacing traditional activated carbon with catalytic carbon results in significantly improved water treatment.

PRIVATE WELLS -
Effective for treatment of "sulfur water"; catalytic carbon retains all of the adsorptive properties of conventional activated carbon, but it combines them with the ability to promote or catalyze chemical reactions during the treatment process, catalytic carbon first adsorbs sulfides onto the carbon surface. Then, in the presence of dissolved oxygen, it oxidizes the sulfides and converts them to non-objectionable compounds.

COMMERCIAL -
Catalytic Carbon cartridges are well suited for treating process water, in the bottling and soft drink industries, as well as aquarium treatment.

ABOUT CATALYTIC CARBON

Catalytic Carbon provides another alternative to chemical treatment. Essentially, catalytic carbon is activated carbon with a modified carbon surface. Activated carbon filtration removes very small amounts of hydrogen sulfide, and has a limited capacity to adsorb hydrogen sulfide. Catalytic carbon is more efficient due to its unique structure at removing hydrogen sulfide.

Chloramines are used to control bacterial growth in distribution systems and to reduce the formation of trihalomethanes (THMs). However, recent concerns over chloramines in the water supply and its by-products have water professionals looking for products to remove chloramines. This can be achieved by the use of Catalytic Carbon.

FEATURES & BENEFITS

- **USE OF CENTAUR CALGON™**
  Aries Centaur Calgon™ cartridge achieves greater degree of contaminant removal at reduced cost

- **FITS STANDARD RESIDENTIAL AND INDUSTRIAL SIZE HOUSING**
  AF Series cartridges are double-open end cartridges that fit standard residential and industrial housings

- **OVERSIZED CARTRIDGE FOR MAXIMUM MEDIA FILL**
  AF Series cartridges have up to 50% higher capacity and extended life, due to the use of larger cartridges.

- **QUALITY PRODUCED AND MADE IN THE USA**
  Cartridges are produced by Aries FilterWorks, a division of ResinTech®. Strict quality control over all aspects of cartridge and media production allows complete traceability of every filter
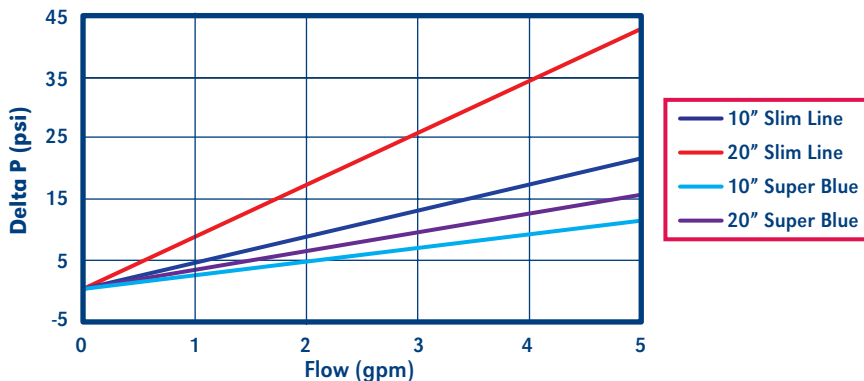
A Division of ResinTech • Innovations in Ion Exchange

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AF SERIES - CATALYTIC CARBON

TECHNICAL DATA

	10" SLIM	20" SLIM	10" SUPER BLUE	20" SUPER BLUE
Diameter (in.)	3.0"	2.9"	4.6"	4.6"
Length (in.)	9.9"	20.0"	10.0"	20.0"
Temperature (°F.)				
Min.	40°	40°	40°	40°
Max	100°	100°	100°	100°
Pressure (psi)				
Min.	20	20	20	20
Max.	125	125	125	125
Micron Rating (μ)	25	25	25	25
Materials of Construction				
1. Gasket	TPE	TPE	TPE	TPE
2. End Caps	PP	ABS	ABS	ABS
3. Pads	PE	PE	PE	PE
4. Body / Tube	PP	ABS	ABS	ABS
5. Media*	Calgon Centaur™ Carbon			

PP Polypropylene
ABS Acrylonitrile Butadiene Styrene
PE Polyester
TPE Thermoplastic Elastomer

CALGON CENTAUR™ DELTA P

Legend:
- 10" Slim Line
- 20" Slim Line
- 10" Super Blue
- 20" Super Blue

X-axis: Flow (gpm)
Y-axis: Delta P (psi)

MEDIA

As a division of ResinTech, Inc.®, Aries FilterWorks is the only integrated water filtration media and cartridge manufacturer providing a premium product at the most competitive cost. Aries builds technology and knowledge of ion exchange and specialty adsorbents into each cartridge. Strict quality control over all aspects of cartridge production allows complete traceability of every filter.

ORDERING GUIDE

PART NUMBER	MEDIA	STANDARD HOUSING DIAMETER X LENGTH	FLOW RATE (GPM) OPERATING	MAXIMUM	CAPACITY* (GALLONS)
AF-10-1053		2.5" x 10"	.75	1.0	2,000
AF-20-1053	Calgon Centaur™	2.5" x 20"	1.0	2.0	3,500
AF-10-1042-BB	Catalytic Carbon	4.5" x 10"	2.0	4.0	4,375
AF-20-1042-BB		4.5" x 20"	3.0	5.0	8,750

* Stated capacity for chloramine removal

Notes: Ordering information subject to change without notice. Please verify all specifications prior to ordering.
To place an order call (856) 626-1550 or e-mail ariescs@ariesfilterworks.com