

AF SERIES

CARBON / KDF®

KEY FEATURES

- MEDIA IS RESINTECH® PREMIUM ACID WASHED CARBON
- KDF® EXTENDS GAC LIFE AND INHIBITS BACTERIA GROWTH
- AVAILABLE IN ACID WASHED COCONUT SHELL GAC

CARBON / KDF® CARTRIDGES

ResinTech coconut shell granular activated carbon (GAC) is used in combination with KDF® media to significantly extend the life of filter cartridges. KDF® 55 media is a redox media that removes chlorine, and reduces heavy metals. KDF® 85 removes hydrogen sulfide and reduces iron by the redox process and filtration. Both KDF® redox media are bacteriostatic and inhibit the growth of microorganisms in the filter.

APPLICATIONS

DRINKING WATER -

Carbon / KDF® cartridges are used in a variety of pretreatment or primary treatment for home and commercial drinking water systems. The use of this filter extends the life of existing cartridges and reduces cost by reducing the frequency of filter change outs.

PRIVATE WELLS -

KDF® media are incorporated into combinations with carbon and other matrices for bacteria control and scale reduction for treating contaminants in water.

REVERSE OSMOSIS AND DEIONIZATION SYSTEMS -

This cartridge protects RO systems from chlorine degradation, and ion exchange media from bacterial contamination, extending the life of the systems components and reducing operating cost.

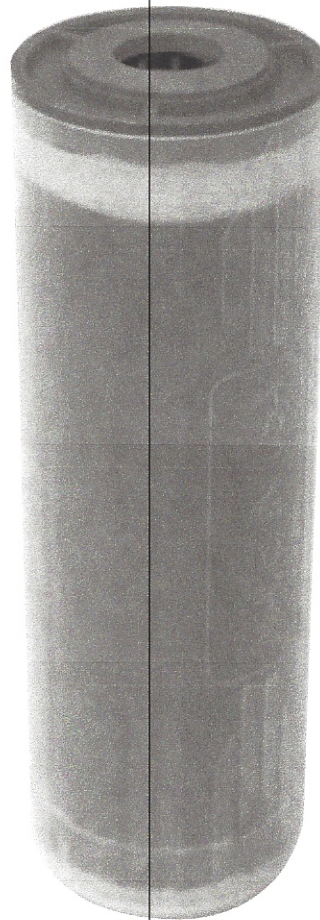
ABOUT CARBON / KDF®

Activated carbon has remarkable cleaning and absorptive properties, which makes it an effective way to purify water. Chemicals and contaminants in the water are bonded at a molecular level to the carbon, effectively removing them from the water.

The addition of stabilized or reticulated KDF 55® / KDF 85® media is used to complement activated carbon filters. It aids in the removal of chlorine when treating municipal waters, and extends the carbon's life, while limiting bacterial growth in the filter. Additionally, the KDF® has the ability to remove water-soluble cations via the oxidation-reduction process, resulting in a cost effective alternative to chemical treatment.

FEATURES & BENEFITS

- **STABILIZED KDF 55® OR KDF 85®**
KDF® media pretreatment of granular activated carbon extends the carbon's life and limits bacteria growth in the beds
- **ACID WASHED COCONUT SHELL CARBON**
Acid washing removes ash content, prevents pH spiking and adds approximately 5% more capacity to carbon media
- **OVERSIZED CARTRIDGE FOR MAXIMUM MEDIA FILL**
AF Series cartridges have up to 50% higher capacity and extend cartridge life, due to the use of larger cartridges. Oversized AF Series cartridges are double-open end cartridges that fit standard residential and industrial housings
- **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

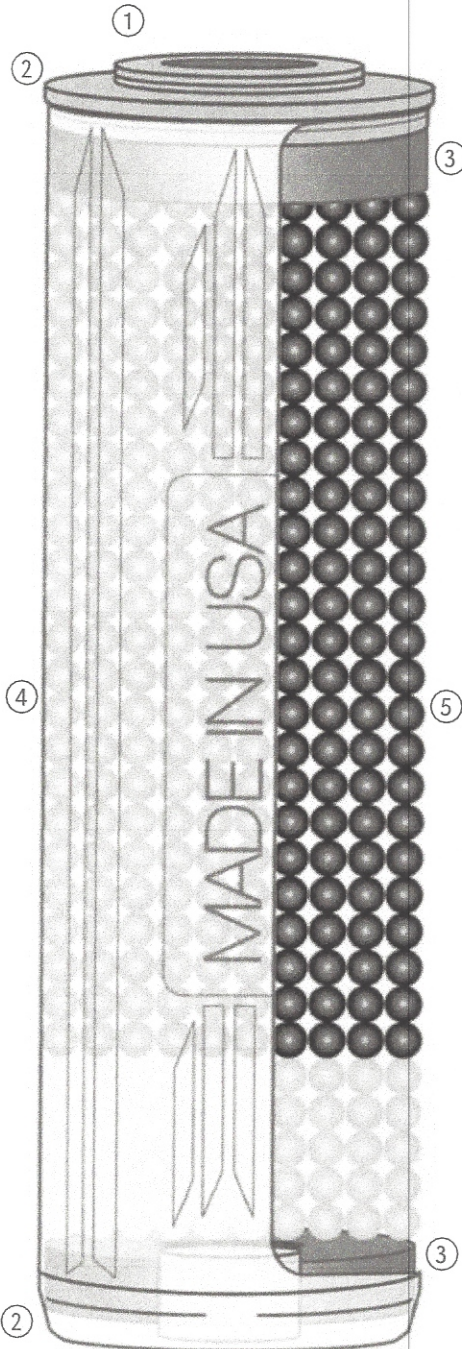


COMPONENT

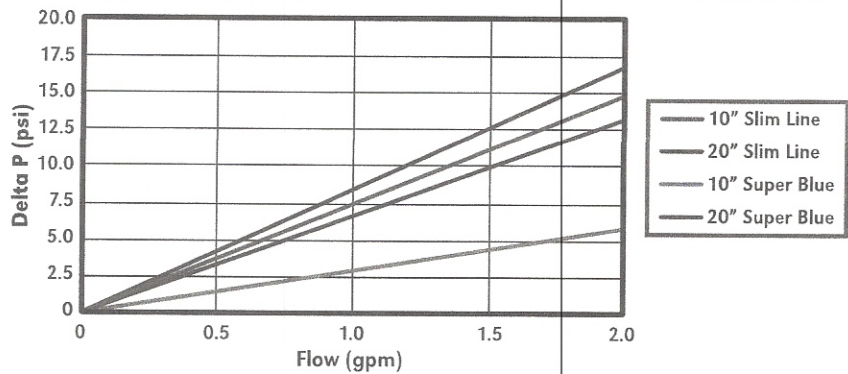
AF SERIES - CARBON / KDF®

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 Layer 1	ResinTech® GAC Granular Activated Coconut Shell Carbon*			
6. Media Layer 2	KDF-55® or KDF-85® Equivalent			
	PP Polypropylene		PE Polyester	
	ABS Acrylonitrile Butadiene Styrene		TPE Thermoplastic Elastomer	



CARBON / KDF® DELTA P



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	KDF EQUIV.	STANDARD HOUSING DIAMETER X LENGTH	SERVICE FLOW RATE (GPM)	CAPACITY* (GALLONS)
AF-10-2010		0.5 lb.	2.5" x 10"	1.0	8,000
AF-10-2011	ResinTech® Premium	1.0 lb.	2.5" x 10"	1.0	15,000
AF-20-2012	AGC40-CS/ AGC50-CS	2.0 lb.	2.5" x 20"	1.0	22,000
AF-10-2012-BB	Stabilized KDF-55®	2.0 lb.	4.5" x 10"	2.0	35,000
AF-20-2015-BB		5.0 lb.	4.5" x 20"	3.0	95,000
AF-10-2210		0.5 lb.	2.5" x 10"	1.0	8,000
AF-10-2211	ResinTech® Premium	1.0 lb.	2.5" x 10"	1.0	15,000
AF-20-2212	AGC40-CS/ AGC50-CS	2.0 lb.	2.5" x 20"	1.0	22,000
AF-10-2212-BB	Stabilized KDF-85®	2.0 lb.	4.5" x 10"	2.0	35,000
AF-20-2215-BB		5.0 lb.	4.5" x 20"	3.0	95,000

*Capacity is based on the volume of carbon content



COMPONENT

Filter cartridge Certified to NSF/ANSI Standard 42 and NSF/ANSI Standard 61 for material requirement(s) only. Filter cartridge Certified to NSF/ANSI Standard 372 for low lead compliance.

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

IMPORTANT NOTICE TO USER:

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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



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			

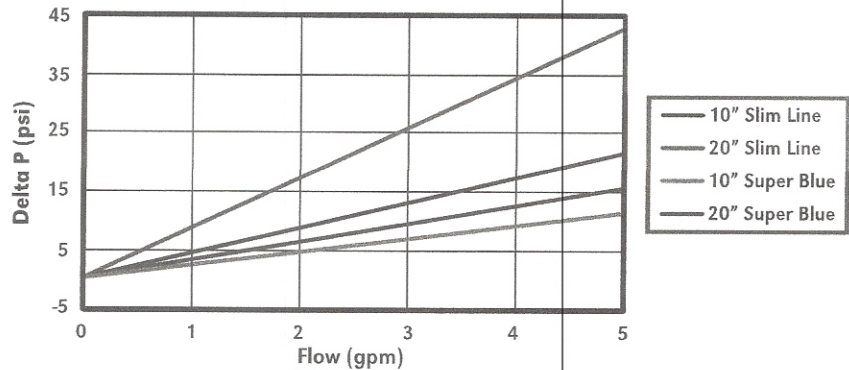
PP Polypropylene

ABS Acrylonitrile Butadiene Styrene

PE Polyester

TPE Thermoplastic Elastomer

CALGON CENTAUR™ DELTA P



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)		CAPACITY* (GALLONS)
			OPERATING	MAXIMUM	
AF-10-1053	Calgon Centaur™ Catalytic Carbon	2.5" x 10"	.75	1.0	2,000
AF-20-1053		1.0	2.0	3,500	
AF-10-1042-BB		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

IMPORTANT NOTICE TO USER:

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AF SERIES

CARBON

KEY FEATURES

- **USES RESINTECH® PREMIUM ACID WASHED CARBON**
- **PROP 65 COMPLIANT FOR DRINKING WATER APPLICATIONS**
- **FITS STANDARD RESIDENTIAL AND INDUSTRIAL HOUSINGS**

CARBON CARTRIDGES

Carbon filtration is an inexpensive and effective way to remove chemicals and contaminants commonly found in tap water. Aries FilterWorks carbon cartridges are an ideal choice for taste and odor control, chlorine removal, and organic reduction. Premium carbons are available in coal or coconut shell and are acid washed for a balanced.

California Prop 65 compliance ensures each lot of media complies with EPA recommended levels of contaminants, including arsenic.

APPLICATIONS

RESIDENTIAL USE -

Carbon cartridges used as part of a water treatment system, improves water quality by removing harmful contaminants from municipal water supplies.

PRE-TREATMENT TO REVERSE OSMOSIS (RO) -

Provides protection by removing contaminants such as chlorine and organics that can foul RO membranes.

POINT-OF-USE (POU) DRINKING WATER SYSTEMS -

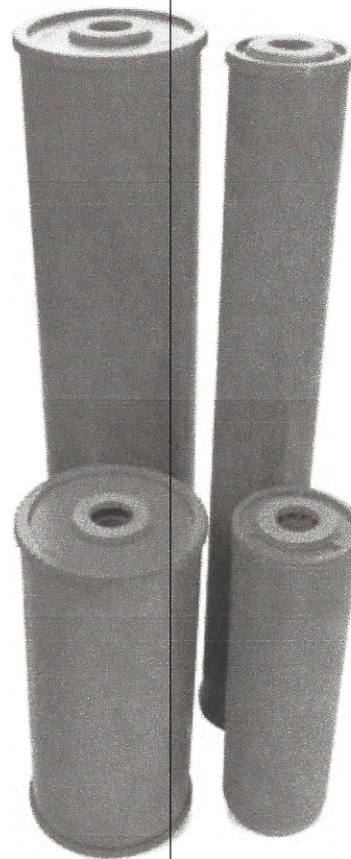
Cartridge provides a source of clean water and is more cost effective than purchasing bottled water. It can be used as a standalone filter to reduce or eliminate: bad tastes and odors, chlorine and organic contaminants in municipal water supplies. The use of carbon cartridges significantly improves drinking water quality.

ABOUT CARBON

Activated carbon has remarkable absorptive properties, which makes it effective in removing chlorine, sediment and Volatile Organic Compounds (VOCs). The Carbon particles have a large surface area, allowing a small amount of carbon to efficiently filter large volumes of water. As water passes through the carbon filter many chemicals and contaminants in the water are bonded at a molecular level to the carbon, effectively removing them from the water. A large percentage of chemical compounds and organic contaminants, that cause taste and odor problems are removed by carbon.

FEATURES & BENEFITS

- **USE OF RESINTECH® PREMIUM FINE MESH CARBON STANDARD**
Optimum mesh size provides more surface area to enhance organic adsorption and chlorine conversion
- **AVAILABLE IN ACID WASHED CARBON**
Acid washing reduces carbon fines, prevents pH spiking, improves rinse up time, and adds approximately 5% more capacity to carbon media
- **OVERSIZED CARTRIDGE FOR MAXIMUM MEDIA FILL**
AF Series cartridges have up to 50% higher capacity and extend cartridge life, due to the use of larger cartridges.
- **QUALITY PRODUCED AND MADE IN THE USA**
To ensure consistent quality and peace of mind for the consumer all drinking water media are WQA Gold Seal or NSF certified. Cartridges are produced by Aries FilterWorks, a division of ResinTech®. Strict quality control over all aspects of production allows complete traceability of every cartridge



COMPONENT

AF SERIES - CARBON

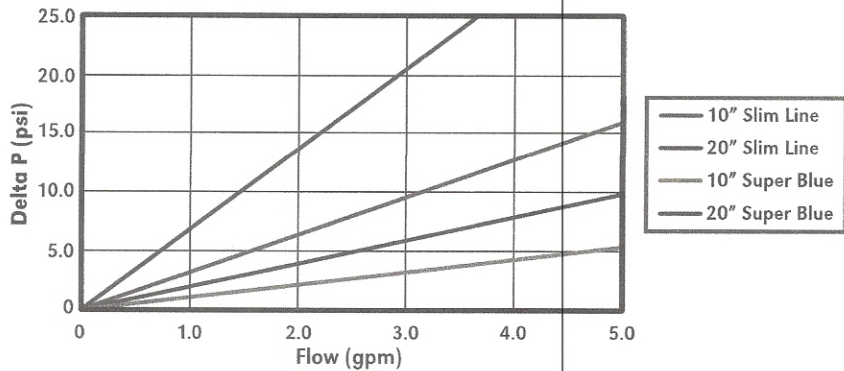
TECHNICAL DATA

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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*	ResinTech® Premium Granular Activated Carbon*			

PP Polypropylene
 ABS Acrylonitrile Butadiene Styrene

PE Polyester
 TPE Thermoplastic Elastomer

GAC DELTA P



MEDIA

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ORDERING GUIDE

PART NUMBER	MEDIA	STANDARD HOUSING DIAMETER x LENGTH	FLOW RATE (GPM)		CAPACITY (GALLONS)
			OPERATING	MAXIMUM	
AF-10-1051	ResinTech® Premium	2.5" x 10"	.75	1.0	4,000
AF-20-1051	AGC40-AW / AGC50-AW	2.5" x 20"	1.0	2.0	9,000
AF-10-1041-BB	Acid Washed	4.5" x 10"	2.0	4.0	13,000
AF-20-1041-BB	Coal GAC*	4.5" x 20"	3.0	5.0	30,000
AF-10-1052	ResinTech® Premium	2.5" x 10"	.75	1.0	4,000
AF-20-1052	AGC40-CSAW / AGC50-CSAW	2.5" x 20"	1.0	2.0	9,000
AF-10-1046-BB	Acid Washed	4.5" x 10"	2.0	4.0	13,000
AF-20-1046-BB	Coconut Shell GAC*	4.5" x 20"	3.0	5.0	30,000

* Non-acid washed carbon available upon request



COMPONENT

Filter cartridge Certified to NSF/ANSI Standard 42 and NSF/ANSI Standard 61 for material requirement(s) only.
 Filter cartridge Certified to NSF/ANSI Standard 372 for low lead compliance.

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

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