ARIES FILTERWORKS

LABORATORY • COMMERCIAL • RESIDENTIAL

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.



TESTED AND CERTIFIED WaterQuality UNDER INDUSTRY STANDARDS

COMPONENT

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.

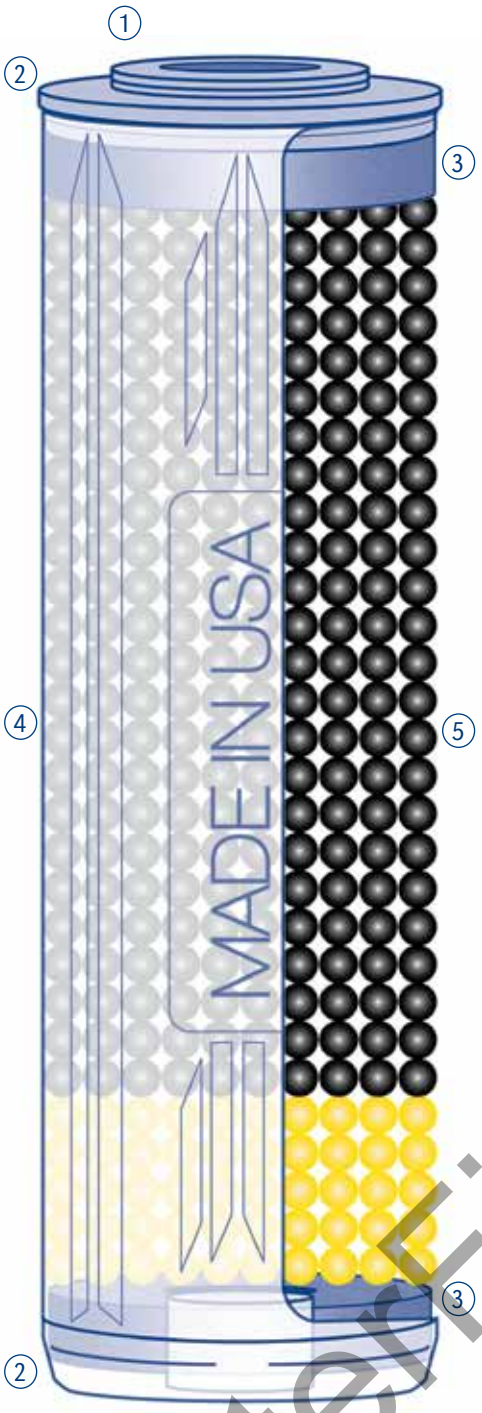
The addition of stabilized or reticulated KDF 55® / KDF 85® media is used to complement activated carbon filters. It aids in the removal of chlorine when treating municipal waters, and extends the carbon's life, while limiting bacterial growth in the filter. Additionally, the KDF® has the ability to 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

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AF SERIES - CARBON / KDF®

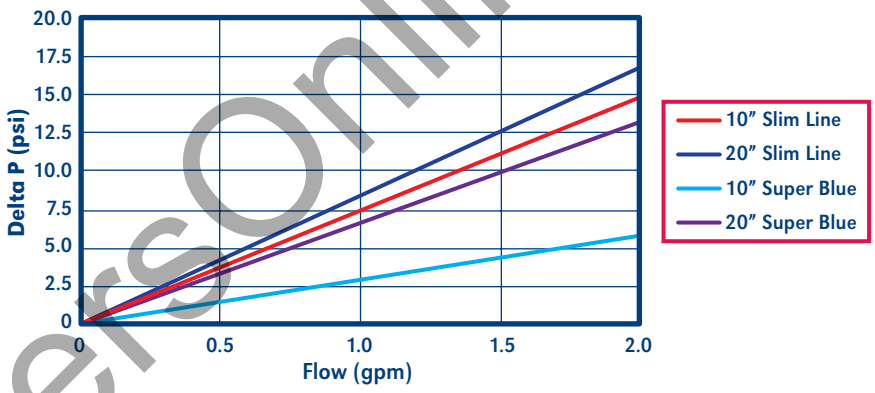


TECHNICAL DATA

	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
ABS Acrylonitrile Butadiene Styrene
PE Polyester
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	ResinTech® Premium AGC40-CS/ AGC50-CS Stabilized KDF-55®	0.5 lb.	2.5" x 10"	1.0	8,000
AF-10-2011		1.0 lb.	2.5" x 10"	1.0	15,000
AF-20-2012		2.0 lb.	2.5" x 20"	1.0	22,000
AF-10-2012-BB		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	ResinTech® Premium AGC40-CS/ AGC50-CS Stabilized KDF-85®	0.5 lb.	2.5" x 10"	1.0	8,000
AF-10-2211		1.0 lb.	2.5" x 10"	1.0	15,000
AF-20-2212		2.0 lb.	2.5" x 20"	1.0	22,000
AF-10-2212-BB		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: DS-AFCarbKDF-rev1.6

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