

# ARIES FILTERWORKS

LABORATORY • COMMERCIAL • RESIDENTIAL

## AF SERIES CARBON / PHOSPHATE

### KEY FEATURES

- PREMIUM RESINTECH® ACID WASHED COCONUT SHELL CARBON
- PREVENTS SCALE, CORROSION, REMOVES TASTE AND ODOR
- PROP 65 COMPLIANT FOR DRINKING WATER APPLICATIONS

### CARBON / PHOSPHATE CARTRIDGES

Aries FilterWorks Carbon/Phosphate combination cartridges use carbon to effectively improve taste and odor by removing chlorine and phosphate to reduce scale buildup. This combination of Premium GAC carbon and phosphate dramatically improves the quality of drinking water, as well as its ability to protect metal parts from corrosion when used in certain industries.

### APPLICATIONS

#### COMMERCIAL USE -

AF Series cartridges are used with many commercial grade coffee and tea brewing machines, ice makers, beverage dispensing equipment and water misters. Corrosion of metal parts is reduced by forming a protective coating on all metal surfaces safeguarding against acidity/alkalinity within a pH of 6.5-9.0.

#### RESIDENTIAL USE -

At Point-of-Use Carbon/Phosphate cartridges are an ideal choice to improve taste and control odor by removing the chlorine from drinking water.

#### PRE-TREATMENT TO REVERSE OSMOSIS (RO) -

Provides protection by removing contaminants such as chlorine, organic, and binds hardness that can foul RO membranes, thus reducing the efficiency of the membrane.

### ABOUT CARBON

Activated carbon has remarkable cleaning and absorptive properties, which makes it an effective way to clean water. Carbon is 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 amounts 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® COCONUT SHELL GAC AND SLOW MELT POLYPHOSPHATE

Carbon/Phosphate cartridges available in acid wash to prevents pH spiking

#### • 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 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



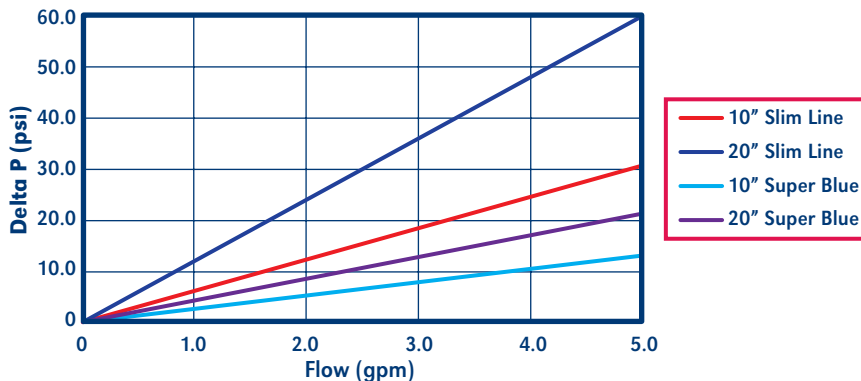
COMPONENT

## AF SERIES - CARBON / PHOSPHATE

### 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	Phosphate Crystals			
	PP Polypropylene		PE Polyester	
	ABS Acrylonitrile Butadiene Styrene		TPE Thermoplastic Elastomer	

### 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 CARBON / PHOSPHATE (LBS.)	STANDARD HOUSING DIAMETER X LENGTH	SERVICE FLOW RATE (GPM)	CAPACITY** (PPM)
AF-10-3302	CSAW GAC / .25	2.5" x 10"	1.0	2,500
AF-10-3305	CSAW GAC / .50	2.5" x 10"	1.0	5,000
AF-20-3310	CSAW GAC / 1.0	2.5" x 20"	2.0	10,000
AF-20-3312	CSAW GAC / 2.0	2.5" x 20"	2.0	20,000
AF-10-3311-BB	CSAW GAC / 1.0	4.5" x 10"	3.0	10,000
AF-10-3312-BB	CSAW GAC / 2.0	4.5" x 10"	3.0	20,000
AF-20-3312-BB	CSAW GAC / 2.0	4.5" x 20"	5.0	20,000
AF-20-3314-BB	CSAW GAC / 4.0	4.5" x 20"	5.0	40,000

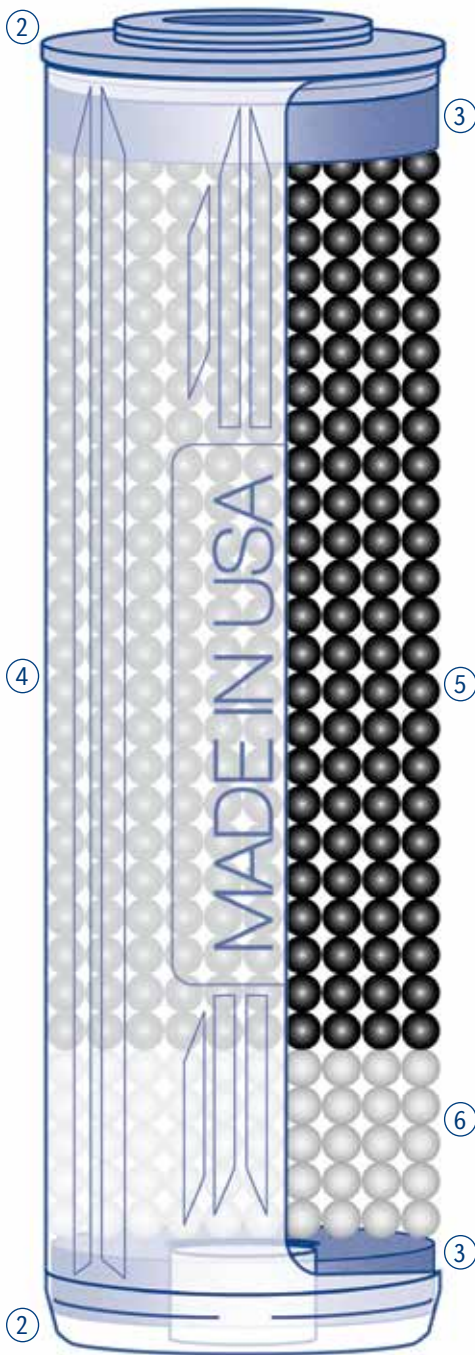
\*\* Capacity based on volume of phosphate

Notes: Ordering information subject to change without notice. Please verify all specifications prior to ordering.

#### IMPORTANT NOTICE TO USER:

The following is made in lieu of all other warranties expressed or implied. Manufacturer's and Seller's only obligation shall be to issue credit against the purchase or replacement of the equipment proved to be defective in material or workmanship. Neither Manufacturer nor Seller shall be liable for any injury, loss or damage, direct or indirect, special or consequential, arising out of the use of, misuse, or the inability to use such product. The information contained herein is based on technical data and tests which we believe to be reliable and is intended for use by persons having technical skill at their discretion and risk. Since conditions of use are outside ResinTech's control, we can assume no liability whatsoever for results obtained or damages incurred through the application of the data presented. This information is not intended as a license to operate under, or a recommendation to infringe upon, any patent of ResinTech's or others covering any material or use. The foregoing may not be altered except by written agreement signed by officers of the manufacturer.

DS-AFCarbPhos-rev1.4



#### 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.