

## AF SERIES

TANNINS/ORGANICS REMOVAL

### KEY FEATURES

- **RESINTECH® SBACR MEDIA HAS HIGH CAPACITY FOR ORGANICS**
- **SUPERIOR PHYSICAL STABILITY TO RESIST BEAD BREAKAGE**
- **IMPROVES THE COLOR AND TASTE OF POTABLE WATER SUPPLIES**

### TANNINS/ORGANICS REMOVAL CARTRIDGES

Aries FilterWorks uses ResinTech® SBACR anion exchange resin to remove Tannins and other organics. This media is a high capacity, strongly basic anion resin, supplied in chloride or hydroxide form. The high water content and acrylic structure contribute to its greater capacity for removal in applications where elevated levels of organics are expected.

### APPLICATIONS

#### COMMERCIAL USE -

Tannin removal is highly recommended for use in multiple and mixed bed deionizers, wherever complete ion removal and organic fouling resistance is required. Tannins can prevent iron oxidation. Water softeners, aeration systems, and iron filters may not perform to capacity.

#### RESIDENTIAL USE -

Tannins and similar naturally occurring organics cause most of the color in potable water. They tend to discolor water and give it a bitter taste. They are not toxic and are harmless to humans. However, their presence can make well water unpleasant to drink and stain laundry. For this reason, people seek to treat their water supply for this issue.



### ABOUT TANNINS/ORGANICS

Tannins are organic matter that cause a yellow to dark tea color in water and may impart taste and odor. This effect is caused by a variety of humic and fulvic organic acids, which are found in waters influenced by rainfall, and runoff from natural soil and peats into streams, rivers and lakes. Tannins have also been found in deep groundwater wells.

The structure of the tannin varies from location to location, depending on the vegetation in the area. Tannins are not directly regulated by a governmental agency, however there is a secondary drinking water standard of 15 alpha units for color. A secondary drinking water standard is not federally enforced. Tannins are not a health issue; however, they are aesthetically displeasing.

### FEATURES & BENEFITS

#### • USE OF RESINTECH SBACR® ANION EXCHANGE RESIN

High water content and acrylic structure gives greater capacity in applications where high organic levels are expected

#### • 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

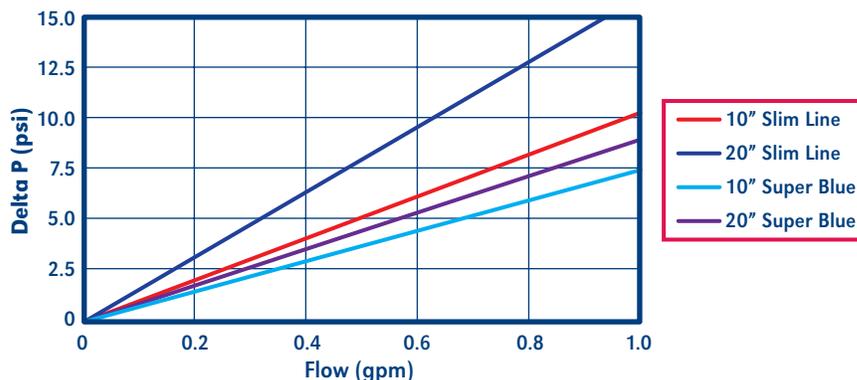
Cartridges are produced by Aries FilterWorks, a division of ResinTech®. Strict quality control over all aspects of cartridge and media production allows complete traceability of every filter

# AF SERIES - TANNINS/ORGANICS REMOVAL

## 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*                 | ResinTech® Premium SBACR Strong Base Anion Resin |          |                             |                |
|                           | PP Polypropylene                                 |          | PE Polyester                |                |
|                           | ABS Acrylonitrile Butadiene Styrene              |          | TPE Thermoplastic Elastomer |                |

## TANNINS/ORGANICS 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<br>DIAMETER X LENGTH | SERVICE FLOW<br>RATE (GPM) | CAPACITY |        |
|---------------|--|---------------------------------------|----------------------------|----------|--------|
|               |  |                                       |                            | GALLONS  | GRAINS |
| AF-10-3621    | ResinTech® SBACR<br>Strong Base<br>Anion Resin | 2.5" x 10"                            | 0.3                        | 150      | 930    |
| AF-20-3621    |  | 2.5" x 20"                            | 0.6                        | 280      | 1,654  |
| AF-10-3621-BB |  | 4.5" x 10"                            | 0.5                        | 300      | 1,880  |
| AF-20-3621-BB |  | 4.5" x 20"                            | 1.5                        | 700      | 4,142  |

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:

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-AFTannins/Organics-rev1.4