

# ARIES FILTERWORKS

LABORATORY • COMMERCIAL • RESIDENTIAL

## AF SERIES FLUORIDE REMOVAL

### KEY FEATURES

- **USE OF RESINTECH® PREMIUM HIGH CAPACITY SIR-900 MEDIA**
- **EFFECTIVE OVER A WIDE pH RANGES**
- **SUPERIOR PHYSICAL STABILITY AND LOWER PRESSURE DROP**

### FLUORIDE REMOVAL CARTRIDGES

Fluoride removal is achieved by utilizing the advanced media technology of ResinTech® SIR-900 media. AF Series cartridges remove Fluoride by a chemical reaction with the media. ResinTech® SIR-900 is a synthetic aluminum oxide that is specially processed to have minimum fines and other foreign matter. It has minimal shrinkage /swelling and low-pressure loss. The product is physically stable and can be used over a wide pH range.

### APPLICATIONS

#### DRINKING WATER -

Consumers, who are concerned about fluoride in the municipal water supply for health reasons and require its removal, can benefit by the use of a fluoride removal cartridge at the Point of Use (POU).

#### PRIVATE WELLS -

Some areas of the country have high levels of naturally occurring fluoride. Wells Supply 15% of American populations with drinking water, and these wells are not subject to EPA regulations. These wells provide safe clean water, but occasionally can become contaminated, resulting in illness.

### ABOUT FLUORIDE

Fluoride can occur in drinking water naturally as a result of the geological composition of soils and bedrock. Most water supplies contain some naturally occurring fluoride. Fluoride also enters drinking water in discharge from fertilizer or aluminum factories. The decision to fluoridate a water supply is made by the State or local municipality. EPA has set the level of protection for fluoride at 4.0 mg/L or 4.0 ppm, to prevent potential health risk.

Exposures to fluoride have increased since the early 1960s. At that time, drinking water and food and beverages prepared with fluoridated water accounted for nearly an individual's entire fluoride intake. Today, exposure to fluoride comes from fluoridated dental products, as well as the voluntary addition of fluoride to drinking water.

### FEATURES & BENEFITS

- **USE OF RESINTECH® PREMIUM HIGH CAPACITY SIR-900 RESIN**  
Extended surface area and pore distribution gives the media highest possible operating capacity and lowest leakage. For best performance, lower pH water sources are preferred
- **FDA DRINKING WATER APPROVED MATERIALS OF CONSTRUCTION**  
Sonic welded construction is a solvent free method to join and assemble plastic parts, producing the highest quality safest product
- **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



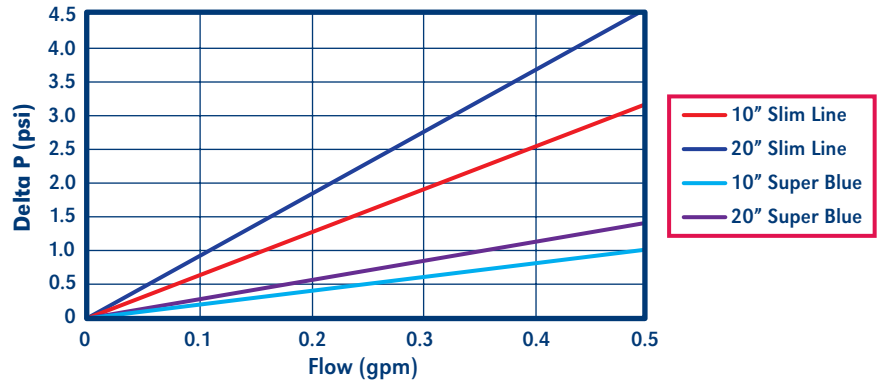
**COMPONENT**

## AF SERIES - FLUORIDE 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 SIR-900 Synthetic Adsorbent			
	PP Polypropylene		PE Polyester	
	ABS Acrylonitrile Butadiene Styrene		TPE Thermoplastic Elastomer	

### FLUORIDE DELTA P

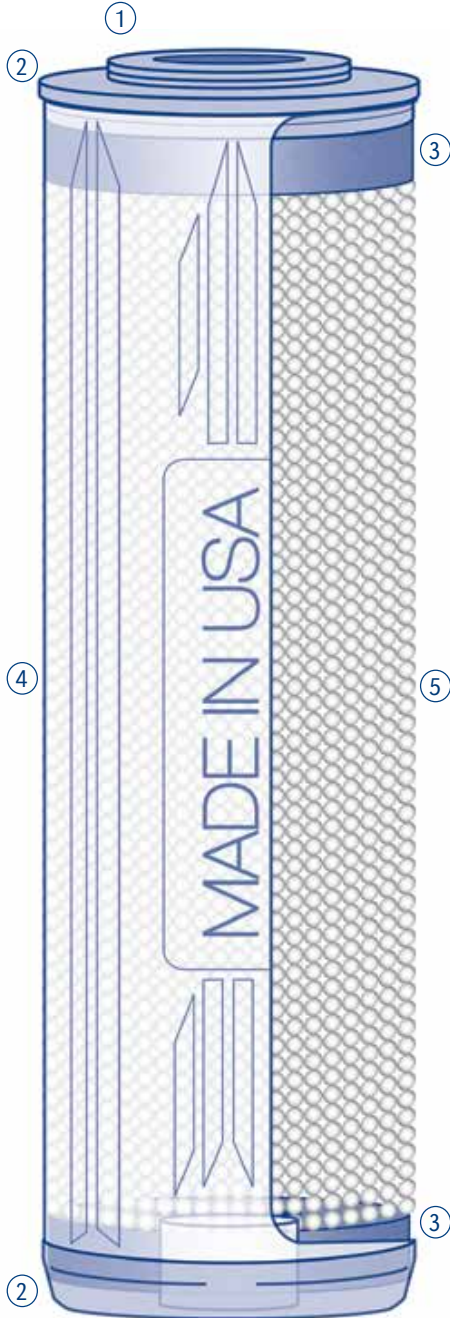


### MEDIA

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	SERVICE FLOW RATE (GPM)	CAPACITY (GALLONS)
AF-10-3690		2.5" x 10"	0.1	475
AF-20-3690	ResinTech® Premium	2.5" x 20"	.20	1,100
AF-10-3690-BB	SIR-900 Synthetic Adsorbent	4.5" x 10"	.20	1,200
AF-20-3690-BB		4.5" x 20"	0.2	2,500



### 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.**

#### 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.

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