

ARIES FILTERWORKS

LABORATORY • COMMERCIAL • RESIDENTIAL

AF SERIES SOFTENER

KEY FEATURES

- **MEDIA IS RESINTECH CGS® HIGH PURITY MEDIA**
- **MEDIA MEETS NSF/ANSI 44 & 61 CERTIFICATION**
- **FITS STANDARD RESIDENTIAL AND INDUSTRIAL HOUSINGS**

SOFTENER CARTRIDGES

The Aries AF Series softener cartridge uses ResinTech® CGS, a cation exchange softening grade resin for softening applications. ResinTech® CGS is a high capacity gel type sulfonated polystyrene cation resin. The media is supplied in the sodium form as moist, durable uniform spherical beads. It is intended for use in water softening applications, where free chlorine is not present. Its unique ability to exchange positively charged ions also enable it to remove dissolved iron.

APPLICATIONS

RESIDENTIAL USE -

Spotting on dishes, films that coat the shower walls, laundry that is stiff and rough, and clogged plumbing are all the result of hard water conditions. In addition to affecting the actual washing process, insoluble soap deposits are left on surfaces and a soap film will continue to build up in your bath and shower. Water softeners provide a solution by removing the calcium and magnesium and providing a cleaner final product.

COMMERCIAL -

Hard water also produces a scale, which clogs pipes and obstructs heat conduction. Water softeners are commonly used for industrial, municipal, and commercial applications such as: contact process water, make up water for boiler & reactors, laundry facilities, protection of heat transfer elements and spray nozzles, and pre-treatment for reverse osmosis.

ABOUT SOFTENING

As the water seeps through the ground, it is naturally purified, but dissolves minerals from contact with surrounding rock formations. Alkaline or "hard" water contains high levels of dissolved salts and minerals such as calcium and magnesium. The dissolved salts react with soaps and detergents, preventing lathering and interfere with the cleaning process. Calcium and magnesium deposits can build up in pipes, reducing flow to taps and appliances. Soft water, on the other hand, has very little of these minerals. Softening cartridges make use of the ion exchange principle. As the water travels through the bed of ion exchange material, the hardness minerals are removed, leaving the water soft and more satisfactory for household and commercial use.

FEATURES & BENEFITS

- **USE OF RESINTECH® CGS MEDIA**
ResinTech® uses cation resin supplied in a sodium form as moist, durable uniform spherical beads. ResinTech® CGS is WQA Gold Seal certified to NSF/ANSI 44 & 61 Standards
- **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 production allows complete traceability of every cartridge



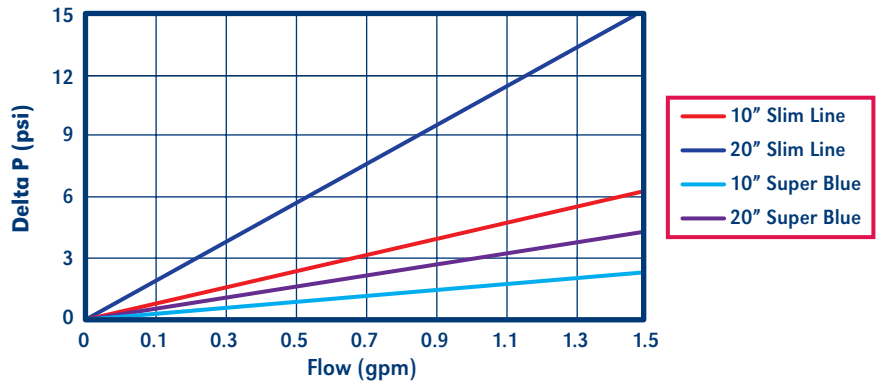
COMPONENT

AF SERIES - SOFTENER

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 CGS Cation Resin*			
	PP Polypropylene		PE Polyester	
	ABS Acrylonitrile Butadiene Styrene		TPE Thermoplastic Elastomer	

SOFTENER DELTA P



MEDIA

As a division of ResinTech, Aries FilterWorks is the only integrated media and cartridge manufacturer providing added value of 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 (GRAINS)
AF-10-3003		2.5" x 10"	0.5	1,414
AF-20-3003	ResinTech®	2.5" x 20"	.75	2,520
AF-10-3003-BB	CGS Cation Resin	4.5" x 10"	.75	2,858
AF-20-3003-BB		4.5" x 20"	2.0	6,295



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.

DS-AFSoftener-rev1.6