ARIES FILTERWORKS

LABORATORY • COMMERCIAL • RESIDENTIAL

AF SERIES

ARSENIC REMOVAL

KEY FEATURES

- **HIGHEST ARSENIC REMOVAL CAPACITY**
- **ASM-10-HP MEDIA IS WQA GOLD NSF/ANSI 61 CERTIFIED**
- **FITS STANDARD RESIDENTIAL AND INDUSTRIAL HOUSINGS**

TESTED AND CERTIFIED Water Quality UNDER INDUSTRY STANDARDS

COMPONENT

ARSENIC REMOVAL CARTRIDGES

Arsenic reduction is achieved by utilizing the advanced media technology of ResinTech® ASM-10-HP resin. This Arsenic selective media has unsurpassed capacity and is effective over the entire pH range of potable water. ResinTech® ASM-10-HP is a strongly basic hybrid anion exchange resin, specially formulated to selectively remove arsenic.*

* Although ResinTech® ASM-10-HP has modest removal of Arsenite (As^3), it is suggested to use additional oxidation methods such as pre-chlorination to convert to Arsenate (As^5).For specific throughput and performance please contact your local sales representative.

APPLICATIONS

RESIDENTIAL POINT OF USE (POU) DRINKING WATER SYSTEM -

The EPA has defined as acceptable or safe a limit of 10 ppb for arsenic in drinking water. If laboratory testing indicates levels above 10 ppb, the use of a specific arsenic removal cartridge is indicated, due to the contamination of source water.

PRIVATE WELLS POINT OF ENTRY (POE) -

Well water is particularly susceptible to arsenic, those not connected to municipal drinking water systems may want to consider this option as part of a whole house system. 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 ARSENIC

Arsenic occurs naturally in soil and bedrock in many parts of the United States. Arsenic has no smell, taste, or color when dissolved in water, even in high concentrations, and therefore only laboratory analysis can determine the presence and concentration of arsenic in water. Arsenic is a potential concern to those who live in areas; with high natural deposits of arsenic, receive runoff from orchards, or from glass and electronic production waste. The health effects of arsenic depend on its chemical form, how much is consumed, and for how long. Long-term exposure to arsenic can cause a number of harmful effects on the human body.

FEATURES & BENEFITS

- **USE OF RESINTECH® ASM-10-HP MEDIA**
  The initial capture of arsenate is by ion exchange, thus the removal rate of arsenic from the inlet liquid is much faster than ordinary iron based media. Its strong base exchange functionally can be used to simultaneously remove nitrate, uranium, chromate and other objectionable anions while removing arsenate
- **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
- **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

* Consult your representative for additional usage information

A Division of ResinTech • Innovations in Ion Exchange
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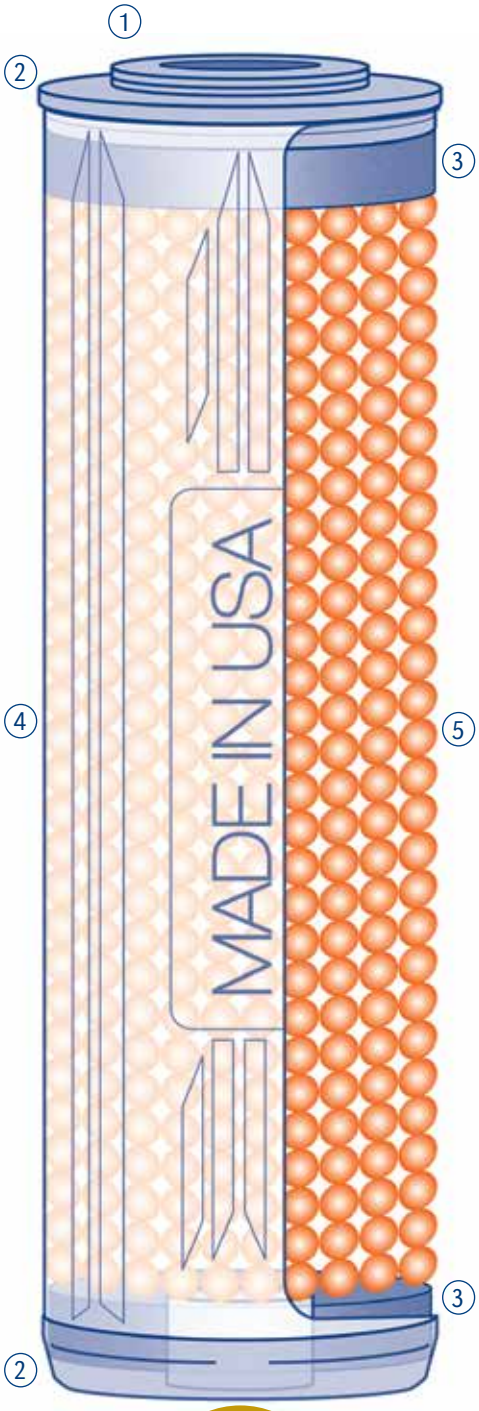
AF SERIES - ARSENIC REMOVAL

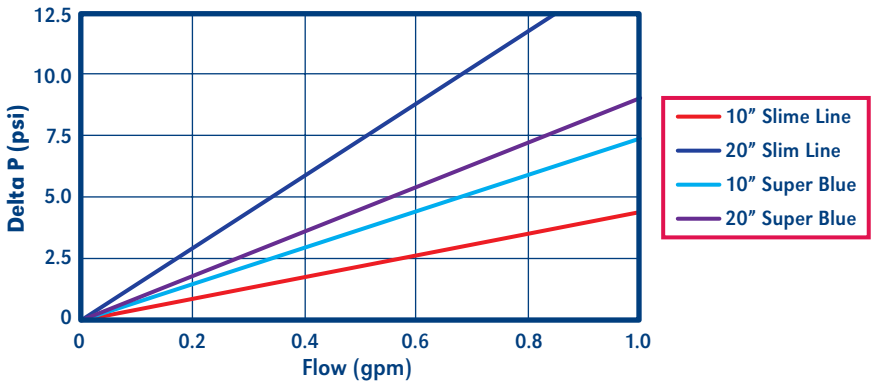


TECHNICAL DATA

	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® ASM-10-HP Hybrid Anion Resin*			

PP Polypropylene
ABS Acrylonitrile Butadiene Styrene
PE Polyester
TPE Thermoplastic Elastomer

ARSENIC 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	MAXIMUM FLOW RATE (GPM)	CAPACITY (GALLONS)
AF-10-3695	ResinTech®ASM-10-HP Hybrid Anion Resin	2.5" x 10"	.25	2,000
AF-20-3695		2.5" x 20"	0.5	4,000
AF-10-3695-BB		4.5" x 10"	0.5	4,500
AF-20-3695-BB		4.5" x 20"	1.0	9,000

Specific feed contaminants and pH can effect capacity

Disposal - It is recommended that users review local regulations and consult with local authorities on the best method of disposal. Cartridges passthe Toxicity Characteristic Leaching Procedures (TCLP) according to the EPA

TESTED AND CERTIFIED WaterQuality ASSOCIATION UNDER INDUSTRY STANDARDS

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