

## AF SERIES

NITRATE REMOVAL

### KEY FEATURES

- **HIGH CAPACITY RESINTECH® SIR-100-HP NITRATE SELECTIVE MEDIA**
- **MEDIA IS WQA GOLD SEAL NSF/ANSI 61 CERTIFIED**
- **FITS STANDARD RESIDENTIAL AND INDUSTRIAL HOUSINGS**

### NITRATE REMOVAL CARTRIDGES

The Aries AF Series cartridges provides effective nitrate removal by the utilization of ResinTech® SIR-100-HP resin. Its unique functionality offers twenty five times greater affinity than standard strong-based anion resins. This cartridge removes nitrates efficiently with low leakage, and eliminates the possibility of nitrate dumping upon exhaustion.

### APPLICATIONS

#### DRINKING WATER -

If laboratory testing indicates elevated levels of nitrates; the use of a nitrate removal cartridge is beneficial to further purify the municipal water source.

#### PRIVATE 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. It is the responsibility of the well owner to maintain and treat their wells.

#### TARGETED REMOVAL FOR SPECIFIC ENVIRONMENTAL CONDITIONS -

The nitrate removal cartridge is especially useful, due to its ability to remove nitrates preferentially in the presence of sulfates and other divalent ions.

### ABOUT NITRATES

Nitrates are naturally occurring compounds that are formed when organic matter decomposes in nature. Nitrates are colorless, odorless and tasteless compounds and cannot be detected unless water samples are laboratory tested.

The primary inorganic nitrates that may contaminate drinking water are potassium and ammonium nitrate both widely used in lawn and garden fertilizers. Most nitrogenous materials in natural waters tend to convert to nitrate so all sources of combined nitrogen; particularly organic nitrogen and ammonium should be considered as potential sources of contamination

The EPA defines maximum contaminant level(MCL) allowed in drinking water to be 10 mg/L NO<sub>3</sub>-N or 45 mg/NO<sub>3</sub>. Certain populations should monitor nitrate levels to insure they do not suffer any ill health effects.

### FEATURES & BENEFITS

- **RESINTECH® SIR-100-HP MEDIA CERTIFIED BY WATER QUALITY ASSOCIATION (WQA)**  
AF Series nitrate selective resin is WQA Gold Seal Certified and meets NSF/ANSI 61 guidelines. ResinTech® SIR-100-HP the highest operating capacity of any nitrate selective resin. ResinTech® SIR-100-HP is uniform particle size, low-pressure drop and has superior physical stability
- **FITS STANDARD RESIDENTIAL AND INDUSTRIAL SIZE HOUSINGS**  
AF Series cartridges are double-open end cartridges that fit standard residential and industrial housings
- **OVERSIZED CARTRIDGES FOR MAXIMUM MEDIA FILL**  
AF Series cartridges have up to 50% higher capacity and extended 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 - NITRATE REMOVAL CARTRIDGES

## 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® SIR-100-HP Nitrate selective ion exchange resin*			

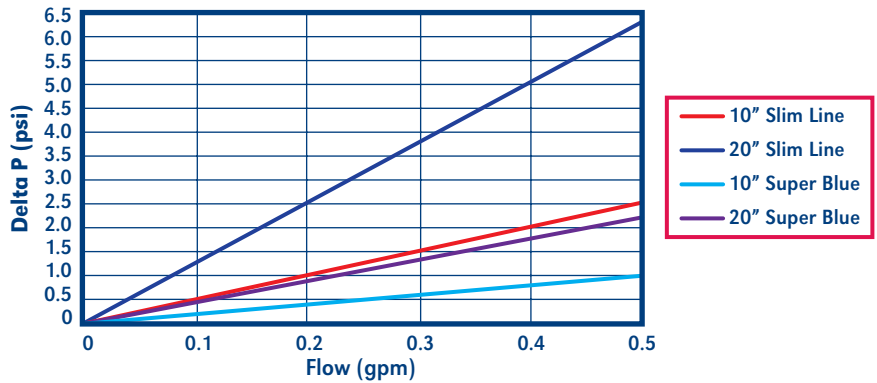
PP Polypropylene

ABS Acrylonitrile Butadiene Styrene

PE Polyester

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	STANDARD HOUSING DIAMETER X LENGTH	SERVICE FLOW RATE (GPM)	CAPACITY (GRAINS)
AF-10-3610	ResinTech® SIR-100-HP Nitrate Selective Ion Exchange Resin	2.5" x 10"	0.1	475
AF-20-3610		2.5" x 20"	.25	1,100
AF-10-3610-BB		4.5" x 10"	.25	1,200
AF-20-3610-BB		4.5" x 20"	0.5	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.



The Grainstore • Elmhurst Business Park • Lichfield • WS13 8EX • UK

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

#### IMPORTANT NOTICE TO USER:

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