

## AF SERIES - DEIONIZATION

AF Deionization cartridges provide solutions for variety of applications that need the removal of ionic contaminants. Cartridges with mixed bed resins provide better than 16 megohm-cm quality water for ultra pure needs. Ultra pure cartridges are offered in standard, color changing, low odor, or low TOC mixed bed resins. For applications of general ionic reduction and extended cartridge life, layered bed cartridges are offered in twin bed and high capacity configurations.

## SERIES OVERVIEW

AF Series cartridges are double-open end cartridges that fit standard residential and industrial housings. Cartridges are available in 2-1/2" and 4-1/2" diameters and 5", 10" and 20" lengths. Using premium Resintech media and offering oversized cartridge cavities, AF Series cartridges provide the best in water purification and filtration.

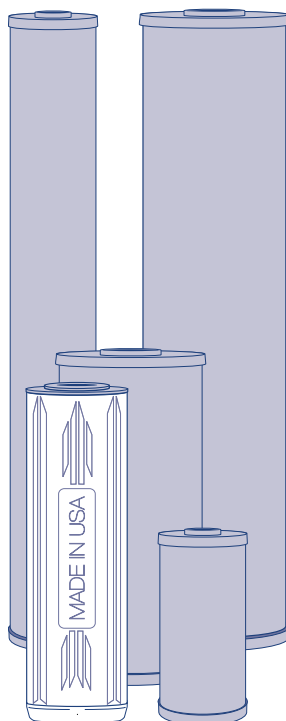
## FEATURES & BENEFITS

- Premium ResinTech resins
- High Capacity Media
- Ideal for pharmaceutical, semi-conductor, medical, and industrial applications
- Oversized Body for Maximum Media Fill
- Fits standard and slim style housings
- Ultrasonic Welding
- Lot Traceability
- Body Materials FDA Approved
- Made in the USA



- High Purity DI
- High Capacity Resins
- Lot Traceability

## TECHNICAL DATA



	10" Slim	20" Slim	10" Super Blue	20" Super Blue
Diameter (in.)	2.5	2.5	4.5	4.5
Length (in.)	10	20	10	20
Materials*				
Cap	PP	ABS	ABS	ABS
Body / Tube	PP	ABS	ABS	ABS
Pad	PE	PE	PE	PE
Gasket	EPDM	EPDM	EPDM	EPDM
Temperature (°F) (min. / max.)	40 / 100	40 / 100	40 / 90	40 / 90
Pressure (psi) (min. / max.)	20 / 125	20 / 125	20 / 125	20 / 125
Micron Rating (µ)	25	25	25	25

- \* PP - Polypropylene  
 ABS - Acrylonitrile Butadiene Styrene  
 PE - Polyester  
 EPDM - Ethylene Propylene Diene Monomer

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## PERFORMANCE DATA

Part Number	Description	Size (Inches)	Flow Rate (gpm)		Media	Total Capacity (Grains as CaCO <sub>3</sub> )	Estimated Gallons*		Typical Effluent (Resistivity)
			Operating	Maximum			200 ppm feed	5 ppm feed	
AF-10-4030-P	Color Changing High Purity (Clear Body)	2.5 x 10	0.2	0.3	Color Changing MB	450	33	1320	14-18 MΩ-cm
AF-10-4010	Ultra High Purity	2.5 x 10	0.2	0.3	MB SC Grade	450	33	1320	14-18 MΩ-cm
AF-20-4010		2.5 x 20	0.2	0.6		900	66	2640	
AF-10-4010-BB		4.5 x 10	0.5	0.8		1050	75	3000	
AF-20-4010-BB		4.5 x 20"	0.5	1.5		2350	170	6800	
AF-10-4011-P	Ultra High Purity/ Low TOC	2.5 x 10	0.2	0.3	MB SC Grade -LTOC	450	33	1320	14-18 MΩ-cm
AF-20-4011		2.5 x 20	0.2	0.6		900	66	2640	
AF-10-4011-BB		4.5 x 10	0.5	0.8		1050	75	3000	
AF-20-4011-BB		4.5 x 20"	0.5	1.5		2350	170	6800	
AF-10-4020-P	Ultra Purity/ Low Odor	2.5 x 10	0.2	0.3	MB Using Type II SBA	450	33	1320	> 14 MΩ-cm
AF-20-4020		2.5 x 20	0.2	0.6		900	66	2640	
AF-10-4020-BB		4.5 x 10	0.5	0.8		1050	75	3000	
AF-20-4020-BB		4.5 x 20"	0.5	1.5		2350	170	6800	
AF-10-4203-P	High Capacity	2.5 x 10	0.2	0.3	Layered SAC & WBA	540	40	1600	< 20 KΩ-cm (pH 5.5 - 6.5)
AF-20-4203		2.5 x 20	0.2	0.6		1080	80	3200	
AF-10-4203-BB		4.5 x 10	0.5	0.8		1300	93	3720	
AF-20-4203-BB		4.5 x 20"	0.5	1.5		2855	205	8200	
AF-10-4202-P	Twin Bed	2.5 x 10	0.2	0.3	Layered SAC & SBA	300	21	840	< 200 KΩ-cm (pH 7.5 - 8.5)
AF-20-4202		2.5 x 20	0.2	0.6		600	42	1680	
AF-10-4202-BB		4.5 x 10	0.5	0.8		710	50	2000	
AF-20-4202-BB		4.5 x 20"	0.5	1.5		1560	110	4400	
AF-10-3001-P	Cation (Hydrogen Form)	2.5 x 10	0.2	0.3	SAC-H	1260	N/A	N/A	
AF-20-3001		2.5 x 20	0.2	0.6		2520			
AF-10-3001-BB		4.5 x 10	0.5	0.8		3000			
AF-20-3001-BB		4.5 x 20"	0.5	1.5		6600			
AF-10-3202-P	Anion (Hydroxide Form)	2.5 x 10	0.2	0.3	SBA-OH	900	N/A	N/A	
AF-20-3202		2.5 x 20	0.2	0.6		1800			
AF-10-3202-BB		4.5 x 10	0.5	0.8		2100			
AF-20-3202-BB		4.5 x 20"	0.5	1.5		4700			

\* Through-Put based upon operating capacity. Specific Feed contaminants can effect capacity.

\*\* Effluent based upon operating flow rate and 200 ppm feed. Specific feed contaminants can effect effluent water quality,

## OTHER AF SERIES CARTRIDGES

- Specialty Carbon / KDF
- Phosphate
- Softening
- Deionization
- Multi-purpose
- Specialty Waste Water (Heavy Metals, Chrome)
- Specialty Drinking (Nitrate, Perchlorate, Arsenic, Fluoride)

### IMPORTANT NOTICE TO USER:

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