

# ARIES

## SEMICONDUCTOR GRADE

PRO SERIES, MIXED BED, DROP-IN CARTRIDGE

DEIONIZATION  
SEMICONDUCTOR

The process used for removal of all dissolved salts from water is referred to as deionization or demineralization. Deionization requires the flow of water through two ion exchange materials in order to affect the removal of all salt content.

Aries Semiconductor Grade Deionization cartridges provide demineralized water with a resistivity of between 14-18 MΩ. They are ideal for high-tech applications and other processes requiring high purity water for washing, rinsing, scale control, or final polishing.



### HIGHLIGHTS

- Resintech® MBD-10-SC
- Ability To Produce Resistivity >14 Megohm
- Fits Standard Residential & Industrial Sized Housings
- Oversized Cartridge for Maximum Media Fill
- Lot Control Traceability
- Made in the USA

### APPLICATIONS

- Light Commercial
- Light Industrial
- Post RO

### SPECIFICATIONS

- Nominal Rating of 25µ
- Max Pressure of 125 psi (850 kPa)
- Max Temperature 100°F (38 °C)

Revision 1.0

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INNOVATIONS IN ION EXCHANGE

DIMENSIONS	MAX FLOW		ΔP @ MAX FLOW		PART NUMBER
	gpm	lpm	psi	kPa	
2.5 x 10 in. (Slim Line)	0.4	1.5	<5	<35	<b>AF-10-4010</b>
2.5 x 20 in. (Slim Line)	0.8	3.0	<10	<70	<b>AF-20-4010</b>
4.5 x 10 in. (Big Blue)	0.8	3.0	<5	<35	<b>AF-10-4010-BB</b>
4.5 x 20 in. (Big Blue)	1.2	4.5	<10	<70	<b>AF-20-4010-BB</b>

CAPACITY IN GRAINS as CaCO <sub>3</sub>	CAPACITY BY VOLUME				PART NUMBER
	200 ppm TDS		5 ppm TDS		
500	36 gal	140 L	1450 gal	5500 L	<b>AF-10-4010</b>
1000	72 gal	270 L	2900 gal	11000 L	<b>AF-20-4010</b>
1250	90 gal	340 L	3625 gal	13700 L	<b>AF-10-4010-BB</b>
2500	180 gal	680 L	7250 gal	27450 L	<b>AF-20-4010-BB</b>

\*Throughput is dependent upon water chemistry. Results may vary.



## COMPONENTS

- Gasket - TPE
- End Caps - PP/ABS
- Pads - PET
- Body - PP/ABS
- Media - ResinTech® MBD-10-SC



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