

## ELECTRODEIONISATION SYSTEMS FOR HIGH PURITY WATER



APPLIED IONICS ELECTRODEIONISATION SYSTEMS CAN BE CONFIGURED TO SUIT ALL YOUR HIGH PURITY WATER NEEDS.

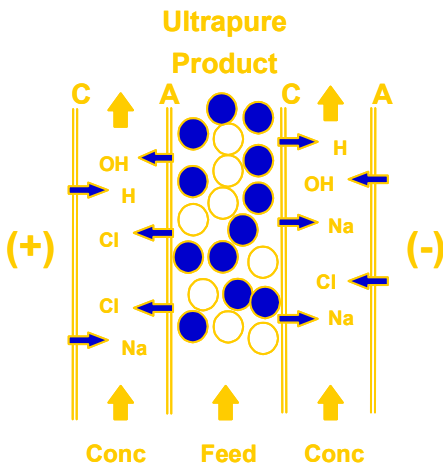
- FREE STANDING CABINET UNITS
- INTEGRATED RO / EDI SYSTEMS
- RETROFITS AND UPGRADES TO EXISTING SYSTEMS

EDI HAS BECOME THE PROCESS OF CHOICE FOR PHARMACEUTICAL, SEMICONDUCTOR AND INDUSTRIAL USERS. USING EDI AND RO/EDI TO REPLACE ION EXCHANGE WILL PROVIDE IMMEDIATE BENEFITS IN REDUCED OPERATING COSTS, REDUCED CHEMICAL STORAGE AND DISPOSAL, AND BATCH PROCESSING.

ELECTRODEIONISATION USES A COMBINATION OF ION SELECTIVE MEMBRANES AND ION EXCHANGE RESIN SANDWICHED BETWEEN TWO ELECTRODES. A DC CURRENT PASSED BETWEEN THE ELECTRODES WILL DRIVE DISSOLVED IONS TOWARDS THE ANODE OR CATHODE. BY ARRANGING THE ION SELECTIVE MEMBRANES IN ALTERNATING LAYERS TWO STREAMS ARE PRODUCED, AN ION DEPLETED DILUTE (PRODUCT) AND ION ENRICHED CONCENTRATE (REJECT)

## COMMERCIAL EDI SYSTEMS 150—2000 LPH

Model	AIEDIxxx				
xxx	150	300	900	1500	2000
Maximum service flowrate	150	300	900	1500	2200
Minimum service flowrate	50	100	300	700	1300
EDI stack	XL-100	XL-200	XL-300	XL-400	XL-500
Number	1	1	1	1	1
Install Space					
Length	750	750	750	750	750
Height	1800	1800	1800	1800	1800
Width	800	800	800	800	800
Connections					
Dilute In	1" common inlet				
Concentrate In					
Electrode In					
Dilute Out	1"				
Concentrate Out	3/8"				
Electrode Out	1/4"				
Power					
V dc	30-60	60-120	100-160	150-250	250-350
Amps Nominal	1-3	1-3	1-3	1-3	1-3
Max	6	6	6	6	6



ADAPTABLE SYSTEMS INTEGRATE WITH OTHER TECHNOLOGIES INTO SINGLE UNIT DESIGN

- REVERSE OSMOSIS PRETREATMENT
- LIQUI-CEL<sup>®</sup> GAS TRANSFER SYSTEMS
- ULTRAVIOLET STERILISATION
- ON LINE TOC MONITORING

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