

DeionX BloX²⁰ High Flow Modular Industrial EDI Stacks

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DeionX EDI BloX

- Provide ultrapure water for industrial applications on a continuous basis using proven electrodeionization technology.
- Nominal flow of 20 m³/h for each BloX results in the most compact footprint in industry.
- Modular design of the DeionX BloX is ideal to easily design an EDI system for practical unlimited flows by coupling several individual DeionX BloX.
- Non-corrosive design by use of high quality (construction) plastics only.
- Are designed to minimize and simplify local installation.

Typical Applications

- Microelectronics
- Power Generation (NO_x, Boiler Feed)
- General Industry

BloX20 Specifications

Nominal flow	20	m ³ /h
Maximum flow	25	m ³ /h
Shipping weight, approx.	600	kg
Dimensions (w x h x d), approx.	100x138x69	cm

Piping Connections

Dilute in & out	DN65	PP / PVC
Concentrate in & out	DN20	PP / PVC
Electrode out	DN15	PP / PVC
<i>Standard connection is pipe. Other connections (flange, union) available on request</i>		

Typical Performance

Product Quality		
Resistivity	>16	MOhm·cm
Sodium	< 3	ppb
Silica (SiO ₂) Removal	Up to 99% or < 5 ppb	
Boron Removal	> 95	%
Operating Parameters		
Recovery	Up to 97	%
Voltage	0 to 400	VDC
Amperage	0 to 20.8	ADC
Max. inlet pressure	6.9	bar
<i>Actual performance may vary depending on site conditions. Consult DeionX to verify actual performance.</i>		

Maximum Feedwater Specifications

Feedwater – Total Exchangeable Anions (TEA as CaCO ₃)	< 25	mg/l
Feedwater – Conductivity, NaHCO ₃ equivalent	< 43	µS/cm
Temperature	5 to 40	°C
Total hardness (as CaCO ₃)	< 1.0	mg/l