

DEIONIZATION SYSTEMS



Wall Mounted Deionizers

ELGA's range of wall mounted deionization systems produce from 30 to 90 liters per hour of high purity water for a wide range of laboratory and general manufacturing applications. The deionizers are cost-effective stand-alone systems that provide low to medium volumes of primary or deionized grade water. Water quality is easy to monitor, with built in meters or colour change indicators.

B114 Deionizer

- Disposable cartridge enables quick and clean replacement upon resin exhaustion
- Colour coded resistivity indicator displays treated water quality

Vision 125 & 250 Deionizers

- Colour change windows indicate two resin exhaustion levels to enable users to monitor capacity status and cartridge replacement requirements
- Optional 6 meter coiled delivery line and trigger applicator

Micromeg Deionizer

- Disposable cartridge enables quick and clean replacement upon resin exhaustion
- Colour coded resistivity indicator displays treated water quality



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Treated Water Specifications

Model	B114	Vision 125	Vision 250	Micromeg – MC:DS
Conductivity	1 – 0.1 $\mu\text{S}/\text{cm}$	1 – 0.1 $\mu\text{S}/\text{cm}$	1 – 0.1 $\mu\text{S}/\text{cm}$	1 – 0.1 $\mu\text{S}/\text{cm}$
Resistivity	1 – 10 $\text{M}\Omega\text{-cm}$	1 – 10 $\text{M}\Omega\text{-cm}$	1 – 10 $\text{M}\Omega\text{-cm}$	1 – 10 $\text{M}\Omega\text{-cm}$
Silica	<0.05 mg/l	<0.05 mg/l	<0.05 mg/l	<0.05 mg/l
Carbon dioxide	<0.5 mg/l	<0.5 mg/l	<0.5 mg/l	<0.5 mg/l
Trace dissolved metals	<0.001 mg/l	<0.001 mg/l	<0.001 mg/l	<0.001 mg/l
Residual solids	<0.5 mg/l	<0.5 mg/l	<0.5 mg/l	<0.5 mg/l
Average pH	neutral	neutral	neutral	neutral

System Performance

Maximum flow	30 l/hr	60 l/hr	60 l/hr	90 l/hr
Maximum operating pressure	10psi (0.7bar)	90psi (6.2bar)	90psi (6.2bar)	50psi (3.4bar)
Maximum operating temperature	35°C	40°C	40°C	35°C

Dimensions and Weights

Height	380mm	385mm	660mm	550mm
Width	180mm	92mm	92mm	200mm
Depth	152mm	110mm	110mm	230mm
Weight	2.2 kgs	2.5 kgs	4.2 kgs	6.5 kgs

Output Capacity

Feed TDS	Output Capacity (liters)			
50 mg/l	216	640	1280	1260
150 mg/l	72	220	440	420
250 mg/l	43	130	260	250
350 mg/l	31	90	182	180
450 mg/l	24	72	144	140
550 mg/l	20	58	116	115

Capacity guidelines above are to a 1.0 $\mu\text{S}/\text{cm}$ endpoint

ELGA LabWater

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