



Vivendi Water Systems' range of deionisation systems produce from 30 to 540 litres/hr of high purity water for a wide range of process water and general manufacturing applications. The deionisers are cost effective stand-alone systems that provide low to medium volumes of either primary or deionised grade water. Water quality is easy to monitor, with built in meters or colour change indicators on the smaller deionisers and a range of optional conductivity/resistivity meters.

WALL MOUNTED SYSTEMS

B114 Deioniser

- Disposable cartridge enables quick and clean exchanges upon resin exhaustion.
- Battery operated colour coded resistivity indicator displays treated water quality.

Vision 125 & 250 Deionisers

- Colour change windows indicate two resin exhaustion levels to enable users to monitor capacity status and cartridge replacement requirements.
- Optional 6 metre coiled delivery line and trigger applicator can be connected to either system.

Micromeg Deioniser

- Choice of either disposable or exchangeable cartridges.
- Battery operated colour coded resistivity indicator displays treated water quality.

FLOOR STANDING SYSTEMS

- Compact floor standing units occupy a minimum of space.
- Systems are regenerable, and cylinders can be replaced in a matter of minutes.
- All floor standing systems are supplied with a spare cylinder as standard, to ensure purified water supply continuity.
- Using our own transportation service we will collect the exhausted unit from your premises and replace it with a freshly regenerated cylinder.

Deionisation Systems

Cartridges & Cylinders

Deionisation Systems

Produce up to 540 litres/hr of high purity water

SYSTEM PERFORMANCE & DIMENSIONS

Deioniser Model	Maximum Flow	Maximum Operating Pressure		Maximum Operating Temperature	Dimensions			
	l/h	psi	bar	°C	Height mm	Width mm	Depth mm	Weight kg
B114	30	10	0.7	35	380	180	152	2.2
Vision 125	60	90	6.2	35	385	92	110	2.5
Vision 250	60	90	6.2	35	660	92	110	4.2
Micromeg	90	50	3.4	35	550	200	230	6.5
B118	240	70	4.8	35	880	220	210	18.0
B119	240	70	4.8	35	880	220	210	18.0
B124	360	70	4.8	35	1095	225	225	34.0
B224	360	70	4.8	35	1095	225	225	34.0
B500	540	70	4.8	35	1130	263	263	50.0
B510	540	70	4.8	35	1130	263	263	50.0

TREATED WATER QUALITY

Deioniser Model	Conductivity	Resistivity	Silica	Carbon Dioxide	Trace Dissolved Metals	Residual Solids	Average pH
	$\mu\text{S/cm}$	$\text{M}\Omega\text{-cm}$	mg/l	mg/l	mg/l	mg/l	
B114	1 – 0.1	1 – 10	<0.05	<0.5	<0.001	<0.5	neutral
Vision 125	1 – 0.1	1 – 10	<0.05	<0.5	<0.001	<0.5	neutral
Vision 250	1 – 0.1	1 – 10	<0.05	<0.5	<0.001	<0.5	neutral
Micromeg	1 – 0.1	1 – 10	<0.05	<0.5	<0.001	<0.5	neutral
B118	1 – 0.1	1 – 10	<0.05	<0.5	<0.001	<0.5	neutral
B119	10 – 50	0.02 – 0.1	not removed	not removed	<0.005	<10	4-7
B124	1 – 0.1	1 – 10	<0.05	<0.5	<0.001	<0.5	neutral
B224	10 – 50	0.02 – 0.1	not removed	not removed	<0.005	<10	4-7
B500	10 – 50	0.02 – 0.1	not removed	not removed	<0.005	<10	4-7
B510	1 – 0.1	1 – 10	<0.05	<0.5	<0.001	<0.5	neutral

OUTPUT CAPACITY – LITRES

Deioniser Model	Resin Type	Feed TDS mg/l					
		50	150	250	350	450	550
B114	SB	216	72	43	31	24	20
Vision 125	SB	640	220	130	90	72	58
Vision 250	SB	1280	440	260	182	144	116
Micromeg – MC:DS	SB	1260	420	250	180	140	115
Micromeg – MC:ES	SB	1010	340	200	145	115	90
B118	SB	3265	1090	655	470	360	300
B119	WB	6730	2245	1350	960	750	610
B124	SB	7200	2400	1440	1030	800	615
B224	WB	12500	4200	2520	1805	1400	1080
B500	WB	25800	8600	5160	3690	2870	2350
B510	SB	13760	4590	2750	1960	1530	1250

NOTES

SB = Strong base resin systems
WB = Weak base resin systems

Capacity guidelines above are to:
A 1.0 $\mu\text{S/cm}$ endpoint for strong base resin systems
A 50 $\mu\text{S/cm}$ endpoint for weak base resin systems

SYSTEM TYPES

B114, Vision 125/250 & Micromeg MC:DS – Wall mounted products with disposable cartridges

Micromeg MC:ES – Wall mounted products with exchange service cartridge

B118, B119, B124, B224, B500 & B510 – Free standing systems using Vivendi Water Systems resin voucher cylinder exchange service

For higher flow rate applications consult Vivendi Water Systems.

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Vivendi Water Systems, High Street, Lane End, High Wycombe, Buckinghamshire HP14 3JH, UK Tel: +44 (0) 1494 887766 Fax: +44 (0) 1494 887780



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