

Water Softeners

BiMatic Series



Bimatic water softeners are a range of high quality industrial units that utilise a brass multiport control valve to efficiently produce soft water for any industrial or process application.

The integrated water meter and regeneration controller ensures the availability of softened water at all times due to the duty/standby mode of operation.

Bimatic water softeners are affordable, durable and require low maintenance.

TECHNICAL INFORMATION

BiMatic flow rates

Ranges from 520 to 4,000 l/h depending upon model.

Configuration

Duplex duty/standby mode for continuous soft water delivery. Meter controlled regeneration initiation.

Pipework connections

1" BSPF.

Electrical requirements

230 V, 50 Hz. Power consumption normally 5 - 10w.

Feed water pressure requirements

Minimum 2 bar, maximum 7 bar at inlet during service.

Maximum water temperature

40°C at inlet.

Control valve

Brass multiport valve with teflon coated brass piston on first tank, connected to second tank by stainless steel high pressure tube and brass adaptor. Water meter in soft water flow directly connected to the drive assembly and controller incorporating switch over programme and hard water blending valve.

Resin vessel

Polyethylene inner liner with glass-fibre reinforced epoxy wound outer shell. Tested to 11 bar. Food grade high capacity softening resin.

Brine tank

Rigid polyethylene tank with cover and brine collecting chamber housing, with float-operated brine safety valve and automatic air eliminator.

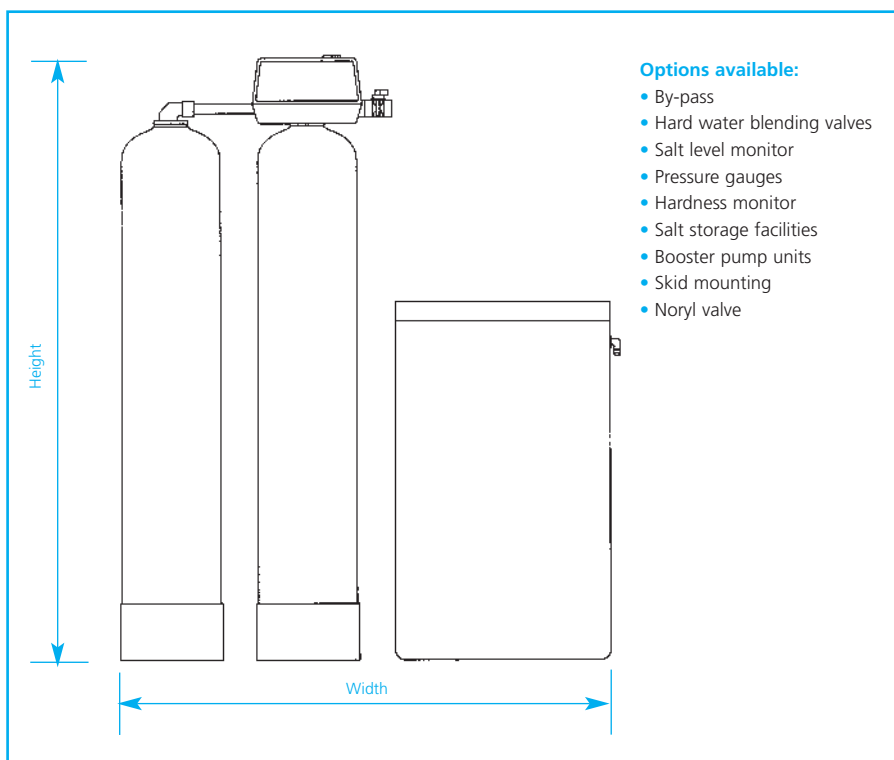
Hardness test kit

For checking softened water quality.

PRODUCT RANGE

Type	Maximum flow rate	Nominal capacity* at 200ppm CaCO ₃	Typical salt use** per generation	Pressure loss	Resin volume	Salt storage	Overall dimensions
	l/h	m ³	kg	bar	litres	kg	cm H x W x D
B45	520	4.2	2.2	0.20	12	100	107 x 127 x 44
B100	1120	9.0	4.2	0.30	28	100	108 x 130 x 44
B150	1680	13.5	7.2	0.60	42	100	130 x 130 x 44
B200	2240	18.0	9.5	0.90	56	215	155 x 145 x 60
B250	2800	22.5	11.9	0.90	70	215	140 x 163 x 60
B300	3400	27.3	14.5	1.35	85	215	155 x 165 x 60
B420	4000	38.0	20.4	1.55	120	307	182 x 180 x 70

* Typical values ** Normal standard setting



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