

WATER SOFTENERS: BIMATIC SERIES

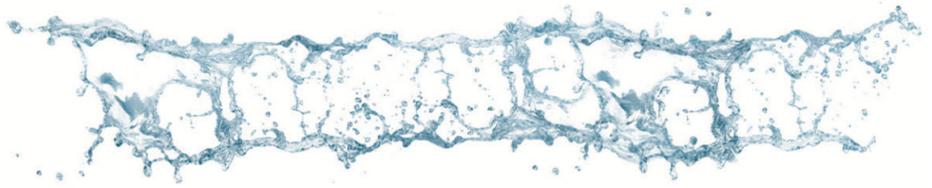


- **Integrated water meter and regeneration controller**
- **Low maintenance costs**
- **High quality industrial units**
- **Efficient operation**
- **Affordable**
- **Durable**

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 , 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.



OPTIONS

- By-pass
- Hard water blending valves
- Salt level monitor
- Pressure gauges
- Hardness monitor
- Salt storage facilities
- Booster pump units
- Skid mounting
- Noryl valve

Dimension layout - for reference only. Contact Lubron for certified drawings.

PRODUCT RANGE

MODEL	Maximum flow rate l/h	Nominal capacity* at 200ppm CaCO ₃ m ³	Typical salt use** per generation kg	Pressure loss bar	Resin volume litres	Salt storage kg	Overall dimensions H x W x D (cm)
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. LUBRON UK LIMITED reserve the right to change equipment specification without prior notice, as part of our continuous product development programme.



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