



Water Softeners JR Twin Series

JR and Twin 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.

On the JR and Twin units the integrated water meter and regeneration controller ensures the availability of softened water at all times due to the optional duty/standby mode of operation.

JR and Twin water softeners are affordable, durable and require low maintenance.

- Affordable and durable
- Low maintenance costs
- High quality industrial units
- Efficient operation
- Simplex or duplex duty/standby mode for continuous soft water delivery.

TECHNICAL INFORMATION

JR & Twin flow rates

Ranges from 3.4 to 10 m³/h depending upon model.

Configuration

Simplex or duplex duty/standby mode for continuous soft water delivery.
Meter controlled regeneration initiation.

Pipework connections

1.5" BSPF.

Electrical requirements

230V, 50Hz. Power consumption normally 5 - 75w.

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 and on JR and Twin 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 a 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 per vessel	Salt storage	Overall dimensions
	m ³ /h	m ³	kg	bar	litres	kg	cm
JR 275	3.4	27.5	14.0	0.45	85	215	184 x 89 x 56
JR 400	4.8	38.5	20.5	0.9	120	307	184 x 103 x 70
JR 500	6.0	48.0	25.5	1.1	150	307	186 x 103 x 70
JR 650	8.0	64.4	34.0	1.2	200	307	188 x 177 x 70
JR 800	10.0	80.5	42.5	1.4	250	370	180 x 129 x 78
TWIN 275	3.4	27.5	14.0	0.5	85	215	185 x 153 x 60
TWIN 400	4.8	38.5	20.5	1.0	120	307	185 x 165 x 70
TWIN 500	6.0	48.0	25.5	1.2	150	307	186 x 172 x 70
TWIN 650	8.0	64.4	34.0	1.5	200	307	187 x 180 x 70
TWIN 800	10.0	80.5	42.5	1.8	250	370	182 x 191 x 85

* Typical values ** Normal standard setting



Options available:

- Salt level monitor
- Pressure gauges
- Hardness monitor
- Salt storage facilities
- Booster pump units
- Skid mounting

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