

Duplex softeners



Monarch duplex softeners have two softening vessels sharing the same salt tank. These two vessels are controlled by their own control valve each with its own built-in water meter. One vessel supplies soft water whilst the other remains on standby. When the required amount of soft water has been reached, this vessel begins an automatic regeneration with soft water then supplied from the previous standby unit. This role is then reversed when the next regeneration is due to ensure a continuous supply of soft water at all times.

With our duplex softeners using a wet brine system, the regenerations can be more frequent ensuring an even greater output of soft water, should it ever be required.



- High flow rates, 75–130 lpm at 1 bar press/drop
- 24/7 soft water supply
- 24-volt plug-in transformer for safe operation
- Reliable controller – measures and remembers your daily water consumption
- Low salt and water use – only regenerates when necessary based on your actual water needs
- Easy programming
- 3-year parts and 12-month labour warranty
- Retains memory, even in the event of a power cut
- Solid-state electronics and a reliable metering system for years of trouble-free operation
- 400 micron injector protection prevents injector blockages and subsequent overflows
- Simple and rugged operation. Proven reliability and technology over many years

Model	Dimensions (mm)					Capacity (per regen) @300ppm	Salt Use (per regen)	Technical (all models)	Code
	Vessel c/w Valve			Salt Tank					
	H	W	D	H	Dia				
DS20	1100	560	410	850	550	3460 litres	3.0 kg	25–70 psi	DS20
DS30	1100	560	410	850	550	5200 litres	4.8 kg	5–45 degrees	DS30
DS50	1580	560	410	850	550	8650 litres	8 kg	2no 3 pin 13A socket reqd	DS50
DS75	1580	720	450	975	690	13000 litres	12 kg	240v / 24v	DS75
DS100	1895	820	480	975	690	17300 litres	16 kg	All units with 1" male connections	DS100
DS125	1895	920	525	975	690	21625 litres	20 kg	22mm/28mm - 1 adapters provided	DS125
DS75/PF	1623	930	690	975	690	13000 litres	12 kg		DS75/PF
DS100/PF	1904	956	690	975	690	17300 litres	16 kg	25–70 psi	DS100/PF
DS150/PF	1904	1006	690	975	690	25950 litres	23 kg	5–45 degrees	DS150/PF
DS200/PF	1952	1132	706	1110	875	34600 litres	30 kg	2no 3 pin 13A socket reqd	DS200/PF
DS250/PF	1952	1260	738	1110	875	43250 litres	38 kg	240v / 24v	DS250/PF
DS350/PF	2148	1420	778	1110	875	60550 litres	53 kg	All units with 1½" male connections	DS350/PF
DS500/PF	2066	1722	850	1110	1030	86500 litres	75 kg		DS500/PF

ProFlow models above are suitable for 1½" and 2" suitable up to 7.8m³/hr.
PRL models available to give up to 16m³/hr if required—full details on request.