

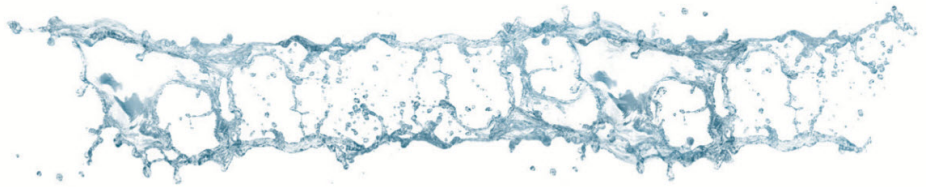
WATER SOFTENERS: ISF DWZ SERIES



The Industrial Super Flow Duplex water softeners are a proven range of quality engineered systems designed for higher flow situations and are readily configured for all process applications.

Various control options are available and can be integrated with usual plant monitoring and status indication systems (BMS).

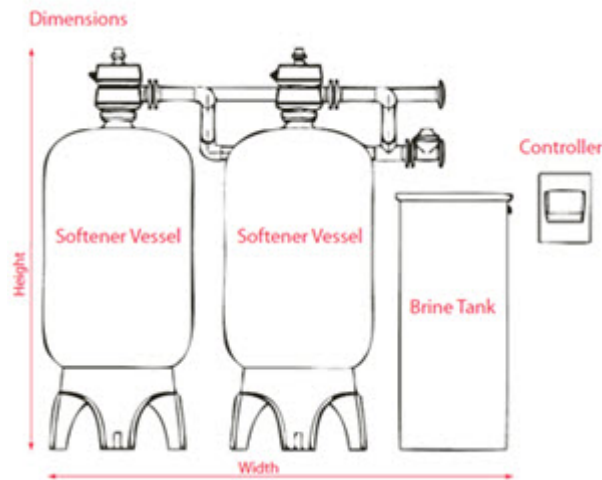
These softeners are designed to operate automatically with no intervention and have very low maintenance needs. They are delivered with pre-manufactured manifolds for fast on-site installation and commissioning.



TECHNICAL INFORMATION

Normal configuration	Duty standby or parallel operation of vessels as required. Remote water meter regeneration initiation with external contact, e.g. from hardness monitor alarm.
Connections	Pre-assembled manifold in PVC with flanged connections.
Electrical requirements	Normally 230 V, 50 Hz. Transformed to 24V AC for valve actuation. Normal power consumption varies between 10 and 340 Watts depending on status.
Feed water pressure	Normal range under operating conditions 2 - 7 bar.
Maximum acceptable water temperature	40°C at inlet.
Controls	Multiport brass valve (or Noryl, depending on requirements) with 24V AC actuators, operated by remote microprocessor controller mounted on backboard for wall or pipework mounting providing: <ul style="list-style-type: none"> - Status indication - Water use and programme information - Alarm outputs - Programme over-ride capability
Resin vessel	Polyethylene inner liner with GRP outer shell, fitted with internal riser and distribution system and food grade high capacity softening resin. Typical test pressure 11 bar.

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



OPTIONS

- Isolation valves
- By-pass manifold
- Hard water blending valves
- Salt level monitor/alarm
- Pressure gauges
- Hardness monitor/alarm
- Salt storage facilities
- Brining systems
 - twin tank
 - bulk saturators
- Simplex or multiplex configuration as required
- Booster pumps
- Skid mounting
- Side mounted valves
- Service flow/level control system
- Electronic meter/pulse relay
- Noryl valves
- 110 or 24 V

PRODUCT RANGE

MODEL	Maximum flow rate	Nominal capacity* at 200ppm CaCO ₃	Typical salt use** per generation	Pressure loss	Resin volume per tank	Salt storage	Overall dimensions
	m ³ /h	m ³	kg	bar	litres	kg	H x W x D (cm)
1600 DWZ	20	160	85	1.0	500	565	270 x 260 x 80
2400 DWZ	30	241	128	1.2	750	565	275 x 290 x 94
3200 DWZ	40	322	170	1.4	1000	860	280 x 320 x 110
4000 DWZ	50	401	213	1.8	1250	860	285 x 350 x 125

* 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.