puritreat CWS

a range of automatic water softeners to remove hardness and prevent the formation of scale deposits

- Suitable for all applications that require a softened water supply
- Simple to operate, with automatic regeneration of ion exchange resin
- Duplex models available to enable an interrupted supply of softened water
- Timer or water meter control options
- Range accommodates flow rates up to 40m³/hour
- Larger models are available on request

suez

puritreat CWS water softeners

description

Feedwater enters the unit and passes through the ion exchange resin, which causes the replacement of calcium and magnesium ions with sodium ions to give softened water. Periodically, the exchanged calcium and magnesium is removed from the resin by regeneration using salt solution supplied from the brine tank. The regeneration process is fully automatic.

Floor standing reinforced fibreglass cylinder -
A robust long lasting design
Automatic regeneration of the ion exchange resin -
A supply of softened water is aways maintained
Timer or water meter control options* -
The regeneration process is controlled either by the volume of water processed or by the elapsed time since the last regeneration
Choice of corrosion resistant control valves -
Offers flexible and reliable performance
Internal feedwater bypass to service during regeneration on single unit models -
Provides a continuous supply even during regeneration
Duplex models available - ensuring a continuous supply of soft water

*Timer control is standard on all single unit models

Accessories

- Salt saturator
- Alarm to indicate low salt levels
- Water hardness test kit
- Water hardness monitor

Unit Design Options

- Water meter control for single units
- Automatic valve to close feedwater bypass during the regeneration process
- Hot water system to accomodate hot feedwater (above 50°C)
- Larger models available on request

technical specification

	S3	S4	S7	S12	S22	S30	S50	S90	S120
Flowrates: (m^3/hr)									
Maximum service	1.4	2.2	3.6	5	11.5	14.4	20.5	30	40
Minimum service	0.1	0.2	0.3	0.4	2.5	2.5	5	15	15
Maximum effluent	0.5	0.5	0.7	1	1.4	1.7	2.7	5.7	6.8
Output per regeneration: (m^3)									
Feedwater TH = 200mg/l (as $CaCO_3$)	9	12	21	36	66	90	150	270	360
Feedwater TH = 350mg/l (as $CaCO_3$)	5	7	12	21	38	51	86	154	206
Regeneration: (kg)									
Salt used	5	7	12	20	36	48	80	144	192
Connections - BSP* (inches)									
Inlet	¾	¾	¾	1	1 ½	1 ½	2	3	3
Outlet	¾	¾	¾	1	1 ½	1 ½	2	3	3
Drain	½	½	½	¾	1	1	¾	2	2
Dimensions: (mm)									
Softener height	1010	1370	1370	1650	1800	2150	2400	2550	2550
Softener diameter	260	260	330	360	560	610	770	1080	1240
Brine tank height	980	980	1170	1160	1300	1300	1300	1300	1300
Brine tank diameter	555	555	555	830	1092	1092	1092	1092	1092
Brine tank capacity (kg)	64	64	136	300	300	300	300	300	300
Weight: (kg)									
Shipping	97	125	217	366	644	893	1441	2630	3473
Working	145	169	281	500	818	1193	1889	3464	4585
Services:									
Electrical	230 volts 50Hz single phase For duplex models add D to model number								
Feedwater pressure	2-6 bar								
Feedwater temperature	1-49°C								
Drain	Suitable drain for effluent flows at floor level								

*British Standard Pipe - Adaptors are available to convert to equivalent metric size. Contact SUEZ for details.

contact

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