

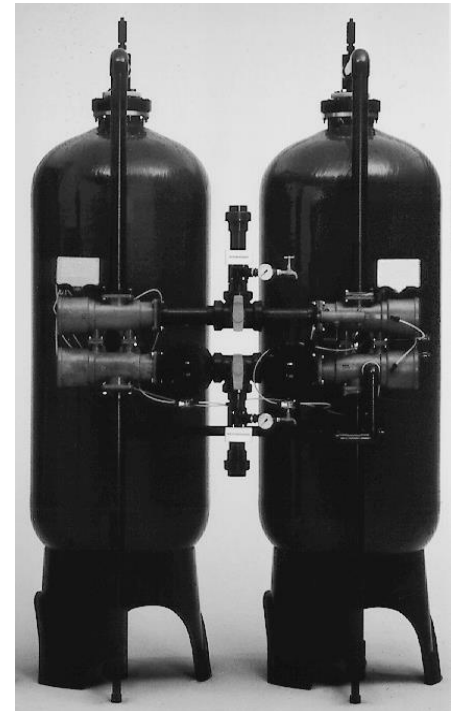
Standard double softening device SDM

Quantity and time controlled

Description

Standard double-softening system consists of:

- Two ion exchange containers made of polyester reinforced with glass fibers
- brine tank with cover made of PE and with plastic floating valves
- two membrane and two control valves
- Two hydraulically controlled central distribution valves
- Water meter for measuring the quantity of raw water
- high capacity ion mass which is situated on the granular surface



Advantages

- Continual production of softened water
- Simple installation and a very low level of water hardness (less than 0.05°dH)
- Soft water quantity gauges
- That can show quantity produced before the next regeneration
- Small amount of salt necessary for a regeneration. For regular capacities of 320 m³x°dH for several passages, the decrease in salt solution is very economical..
- In the economical mode, capacities greater than 22.4 m³x °dH/kg NaCl are achieved.
- Compact in size, minimal space required.

Additional equipment

- Sensor controlled production of softened water and regeneration which enable optimum efficiency of ion mass
- Mixing vessel

Standard double softening device

Model	Unit	SDM 25-25	SDM 25-50	SDM 25-75	SDM 25-100	SDM 32-125	SDM 32-150	SDM 40-200	SDM 40-250	SDM 50-300	SDM 50-400	SDM 50-500
Capacity	°dHxm ³	100	200	300	400	500	600	800	1.000	1.200	1.600	2.000
Minimum flow rate	m ³ /h	0,2	0,3	0,4	0,5	0,6	0,8	1,0	1,3	1,5	2,0	2,5
Maximum long term flow rate	m ³ /h	1,0	2,0	3,0	4,0	5,0	6,0	8,0	10,0	12,0	16,0	20,0
Maximum short term flow rate	m ³ /h	1,2	2,5	3,7	5,0	6,2	7,5	10,0	12,5	15,0	20,0	25,0
Working pressure min./max.	bar	3/6	3/6	3/6	3/6	3/6	3/6	3/6	3/6	3/6	3/6	3/6
Salt consumption/regeneration	kg	5	10	15	20	25	30	40	50	60	80	100
ion exchange resin quantity	l	25	50	75	100	125	150	200	250	300	400	500
Maximum flow rate at regeneration	m ³ /h	2,0	3,0	3,0	3,0	4,0	5,0	8,0	10,0	10,0	10,0	10,0
Connections												
Raw water	DN	25	25	32	32	40	40	40	40	65	65	65
Softened water	DN	25	25	25	25	32	32	40	40	50	50	50
Electric connection												
Voltage/frequency	V/Hz	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50
ion exchange resin tank												
Height	mm	1.224	1.344	1.387	1.641	1.641	1.704	1.699	1.626	1.882	2.040	2.040
Diameter	mm	210	305	330	360	410	460	535	610	610	765	765
Salt tank												
Diameter	mm	530	620	620	760	760	930	930	1.170	1.240	1.240	1.400
Height	mm	645	830	830	815	815	1.030	1.030	910	1.015	1.015	1.560
Volume	l	100	200	200	300	300	500	500	800	1.000	1.000	1.600
Installation dimensions												
Height	mm	2.000	2.000	2.000	2.000	2.100	2.100	2.100	2.100	2.300	2.300	2.300
Width	mm	1.500	1.700	1.700	1.800	2.000	2.200	2.300	2.600	2.900	3.100	3.400
Depth	mm	600	700	700	800	1.000	1.000	1.000	1.200	1.300	1.300	1.600
Raw water pressure at maximum flow rate is minimum 3 bars..		At 0 m ³ /h flow rate is static pressure maximum 3 bars				Working temperature 5 -30°C			Continuous operation is possible when the hardness of the raw water is lower than 20 ° dH.			