

FULL AUTOMATIC WATER SOFTENER



MS SERIES



Stable supply of soft water High quality full automatic water softener

Miura is recognized as the world's most reliable and respected brand of once-through boilers. We can provide you with genuine Water Softener that will keep your boiler running in top condition for many years. The Miura MS series is satisfying international customers.

Features

Variety of Models

The MS Series offer different types of water softeners designed especially to meet your needs.

Fully Automatic

With Miura Full Automatic Water Softeners, the water treatment process is fully automatic.

You just have to set the timer for the regeneration cycle, according to the amount of water you need.

The MS series can supply stable, good quality soft water at all times.

Regeneration Process

The whole regeneration cycle can be divided into 5 steps;

Feed water Back wash Brine Regeneration Water washing

Compact Design and Simple Control Valve

The MS Series is all compact and solid units. Because of it's simple construction, it is very easy to check or repair.

Brine Control

This device automatically controls the amount of brine needed for regeneration and eliminates brine overflow. Corrosion is no longer a problem because both the brine tank and brine valve are made of plastic.

Easy-to-Operate

The MS series is equipped with easy-to-read dials and time indicators. In addition, it is easier to add brine tanks to the large opening for salt injection.











Туре		MS-5	MS-10	MS-15	MS-22N	MS-30N	MS-40	MS-65	MS-90	MS-120	MS-150	Remark	
Item		Unit											
Main body													
Standard flow rate		m³/h	0.27	0.6	0.8	1.3	1.8	2.4	3.9	5.4	7.2	9.0	
Resin volume		L	4.6	10	15	22	30	40	65	90	120	150	
Sampling water volume		m³/regeneration	3.7	9.2	14	24	33	26~40	55~70	55~100	82~133	113~167	*1, 2
Hardness removal mass		gCaCO3/regeneration	220	550	840	1440	1960	1.6~2.4	3.3~4.2	3.3~6.0	4.9~8.0	6.8~10.0	*2
Salt per regeneration		kg/regeneration	1.2	2.4	3.75	5.3	7.2	3.2~8.9	7.6~13.9	7.6~20.7	9.5~29.9	14.0~34.9	*3
Maximum salt storage volume		kg	7	21	40	20	45	48	95		146		
Raw water temperature range		℃	4~40 (No freezing)										
Raw water pressure range		MPa(kgf/cnf)	0.15~0.49(1.5~5.0)				0.18~0.49 [1.8~5.0]					*4	
Pressure loss		MPa{kgf/cm²}	0.01 (0.1)	0.03 (0.3)	0.04[0.4]	0.06 [0.6]	0.10(1.0)	0.02(0.2)	0.05{0.5}	0.10(1.0)	0.13	3 (1.3)	*5
Regeneration drain	Total discharge	L/regeneration	102	154	191	520		654	765	1280	1605	1681	
	Maximum Flow	L/min	3.3	5.3	6.6	10.0		13	14	20	2	23	*6
Power supply —		AC100V 50 60Hz Single Phase											
Rated power consumption		W	2 2 (during 10 sec. regeneration; 1						ration: 120W)			
Timer Days		Days	7 12						12				
Overall dimensions (W×D×H) mm		220×490×575	255×530×870	280×585×990	660×390×1010	740×445×1135	945×445×1535	1080×580×1535	1085×580×1815	1260×730×1815	1290×730×1865	*7	
Connection dian	neter		41										
Inlet		Α	20 External thread			25 External thread			40 Internal thread				
Dry Mass	Resin tank	kg	10	25	37	31	39	68	88	117	151	216	
	Brine tank				_	5	10	11	1	7	1	6	

Type			MS-200	MS-250	MS-300	MS-450	MS-600	MS-750	MS-900	Remarks
Item		Unit				January III				
Body		Section in the section of the sectio								
Standard flow rate		m²/h	15 19		24	25	27		28	
Resin volume		L	200	250	300	450	600	720	900	
Sampling water volume		m³/regeneration	118~182	153~218	172~270	273~402	443~563	497~665	547~790	*1, 2
Hardness removal mass		gCaCO3/regeneration	7.1~10.9	9.2~13.1	10.3~16.0	16.4~24.1	26.6~33.8	29.8~39.9	32.8~47.4	*2
Salt per regeneration		kg/regeneration	15.3~35.4	19.8~45.7	20.5~50.8	33.9~76.1	66.7~106.9	66.7~118.1	66.7~129.3	*3
Maximum salt storage volume		kg	140		240		536			
Raw water temperature range		°C	4~40 (No freezing)							
Raw water pressure range		MPa[kgf/cm]	0.18			18~0.49{1.8~5.	0)	- 31		*4
Pressure loss		MPa(kgf/cm)	0.11{1.1}	0.11 [1.1] 0.18 [1.		0.23 [2.3]	0.19[1.9]	0.20 [2.0]	0.22 [2.2]	*5
Regeneration drain	Total discharge	L/regeneration	3260	3290	4940	4990	10470	10500	10560	
	Maximum Flow	L/min	5	5	75			155		*6
Power supply			AC100V 50 60Hz Single Phase							
Rated power consumption		W	2 (during 10 sec. regeneration: 120W)							
Timer		Days	12							
Overall dimensions (W×D×H)		mm	1705×1210×2035		2065×1370×2265		2600×1720×2690		90	*7
Connection dian	neter									
Inlet		A	50 Internal thread				65 Internal thread		I	
Dry Mass	Resin tank		400	440	638	758	1298	1418	1538	
	Brine tank	kg	20		38			65		
Operating mass	Resin tank		861	901	1103	1133	2555	2581	2606	
	Brine tank	kg	41	0	6	90		1170		

Resin tank

Brine tank

Operating mass

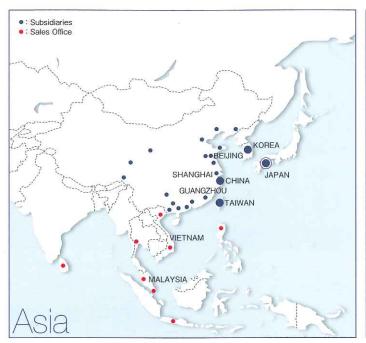
^{*1} Raw water hardness at 60 mg/L as CaCO2.
*2 Value corresponding to amount of salt per regeneration.
*3 Shows allowed upper and lower limits of salt consumption. May differ slightly due to condition of water supply.

^{*4} The minimum pressure value is the required water pressure for regeneration and the maximum water pressure value is the boiler's maximum allowable operating pressure.
*5 For standard flow rate and water temperature of 20°C.
*6 For raw water pressure of 0.18 MPa (0.38 kgf/cnf).
*7 For brine tank diameter and boiler dimensions + 30mm.



We will make global proposals for energy and environmental problems.

We will offer greater satisfaction to customers by providing high-quality technologies and services. As a professional of heat and water, we would like to make proposals for energy and environmental problems. Miura's network of bases has spread globally, beyond national borders, and will continue to expand.







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