

Maxim Series

Water Softeners Systems

Prevent damage caused by hard water with our advanced lime level removal system.

- Time or Flow rate controlled
- Provides regeneration according to the amount of water flowing
- Flow rate controlled systems come in single or duplex series
- FRP (fiber-reinforced plastic) body that is resistant to corrosion
- Protective cover for the salt tank
- Programmable automated valve
- Automated back wash timer
- 3-6 bars operating pressure
- Max. 10 bars test pressure
- Max. 40°C operating temperature
- Resin mineral in compliance with food regulations
- Electrical supply
- 220 V/50 Hz



A.O. Smith Maxim Series water softener systems allow for an advanced level lime removal, thanks to their high quality resin and cutting edge technology regeneration technique in industrial areas. Thus, the damage and inconveniences caused by hard water are prevented. Our Maxim series systems are designed as standalone systems with flow rate or time-controlled operation and provide regeneration according to the amount of water flowing.

Douplex System



Water Softening

The fundamental operating principle of water softener systems is to help remove Calcium (Ca^{+2}) and Magnesium (Mg^{+2}) ions that cause hardness of water through ion exchanging methods. It is a removal process whereby Sodium (Na^{+1}) ions present in the cationic resin exchange places with the calcium and magnesium ions in the water. After this process, the saturated resin must be regenerated using salty water with a time or flow rate-controlled regeneration procedure.

Easy of use

Ease of operation without the need for an operator.

Automatic Back Washing

Automatic back washing process that does not require human interaction.

Douplex System

In Maxim Series tandem water softener systems, when one tank is in wash, the other tank comes into service for uninterrupted performance.

TIME CONTROLLED			SERVICE FLOW (m ³ /h)	MINERAL AMOUNT
CODE	MODEL	TANK SIZE	Filt. Rate 40 (m/h)	RESIN (lt)
5002993	MAXIM100-105V	10 x 54	2	50
5002994	MAXIM100-13V	13 x 54	3,4	75
5002995	MAXIM100-14V	14 x 65	4	100
5002996	MAXIM100-16V	16 x 65	5,2	125
5002997	MAXIM100-18V	18 x 65	6	175
5002998	MAXIM100-21V	21 x 62	6	225
5002999	MAXIM125-14V	14 x 65	4	100
5003000	MAXIM125-16V	16 x 65	5,2	125
5003001	MAXIM125-18V	18 x 65	6,5	175
5003002	MAXIM125-21V	21 x 62	7	225
5003003	MAXIM150-18V	18 x 65	6,5	175
5003004	MAXIM150-21V	21 x 62	9	225
5003005	MAXIM150-24V	24 x 72	11,7	300
5003006	MAXIM150-30V	30 x 72	15	450
5003007	MAXIM200-24V	24 x 72	11,7	300
5003008	MAXIM200-30V	30 x 72	18,2	450
5003009	MAXIM200-36V	36 x 72	25	675
5003010	MAXIM200-42V	42 x 72	25	900
5003011	MAXIM200-48V	48 x 72	25	1200
5003012	MAXIM200H-24V	24 x 72	11,7	300
5003013	MAXIM200H-30V	30 x 72	18,2	450
5003014	MAXIM200H-36V	36 x 72	25	675
5003015	MAXIM200H-42V	42 x 72	27	900
5003016	MAXIM200H-48V	48 x 72	27	1200
5003017	MAXIM200H-63V	63 x 86	27	1800
5003018	MAXIM300-42V	42 x 72	35,8	900
5003019	MAXIM300-48V	48 x 72	46,7	1200
5003020	MAXIM300-63V	63 x 86	55	1800

FLOW RATE CONTROL			SERVICE FLOW (m ³ /h)	MINERAL AMOUNT
CODE	MODEL	TANK SIZE	Filt. Rate 40 (m/h)	RESIN (lt)
5002993	MAXIM100-105V	10 x 54	2	50
5002994	MAXIM100-13V	13 x 54	3,4	75
5002995	MAXIM100-14V	14 x 65	4	100
5002996	MAXIM100-16V	16 x 65	5,2	125
5002997	MAXIM100-18V	18 x 65	6	175
5002998	MAXIM100-21V	21 x 62	6	225
5002999	MAXIM125-14V	14 x 65	4	100
5003000	MAXIM125-16V	16 x 65	5,2	125
5003001	MAXIM125-18V	18 x 65	6,5	175
5003002	MAXIM125-21V	21 x 62	7	225
5003003	MAXIM150-18V	18 x 65	6,5	175
5003004	MAXIM150-21V	21 x 62	9	225
5003005	MAXIM150-24V	24 x 72	11,7	300
5003006	MAXIM150-30V	30 x 72	15	450
5003007	MAXIM200-24V	24 x 72	11,7	300
5003008	MAXIM200-30V	30 x 72	18,2	450
5003009	MAXIM200-36V	36 x 72	25	675
5003010	MAXIM200-42V	42 x 72	25	900
5003011	MAXIM200-48V	48 x 72	25	1200
5003012	MAXIM200H-24V	24 x 72	11,7	300
5003013	MAXIM200H-30V	30 x 72	18,2	450
5003014	MAXIM200H-36V	36 x 72	25	675
5003015	MAXIM200H-42V	42 x 72	27	900
5003016	MAXIM200H-48V	48 x 72	27	1200
5003017	MAXIM200H-63V	63 x 86	27	1800
5003018	MAXIM300-42V	42 x 72	35,8	900
5003019	MAXIM300-48V	48 x 72	46,7	1200
5003020	MAXIM300-63V	63 x 86	55	1800

DOUPLEX FLOW RATE CONTROL			SERVICE FLOW (m ³ /h)	MINERAL AMOUNT
CODE	MODEL	TANK SIZE	Filt. Rate 40 (m/h)	RESIN (lt)
5003021	MAXIM100-105D	10 x 54	2	100
5003022	MAXIM100-13D	13 x 54	3,4	150
5003023	MAXIM100-14D	14 x 65	4	200
5003024	MAXIM100-16D	16 x 65	5,2	250
5003025	MAXIM100-18D	18 x 65	6	350
5003026	MAXIM100-21D	21 x 62	6	450
5003027	MAXIM125-105D	10 x 54	2	100
5003028	MAXIM125-13D	13 x 54	3,4	150
5003029	MAXIM125-14D	14 x 65	4	200
5003030	MAXIM125-16D	16 x 65	5,2	250
5003031	MAXIM125-18D	18 x 65	6,5	350
5003032	MAXIM125-21D	21 x 62	7	450
5003033	MAXIM150-18D	18 x 65	6,5	350
5003034	MAXIM150-21D	21 x 62	9	450
5003035	MAXIM150-24D	24 x 72	11,7	600
5003036	MAXIM150-30D	30 x 72	15	900
5003037	MAXIM200-24D	24 x 72	11,7	600
5003038	MAXIM200-30D	30 x 72	18,2	900
5003039	MAXIM200-36D	36 x 72	25	1350
5003040	MAXIM200-42D	42 x 72	25	1800
5003041	MAXIM200-48D	48 x 72	25	2400
5003042	MAXIM200H-24D	24 x 72	11,7	600
5003043	MAXIM200H-30D	30 x 72	18,2	900
5003044	MAXIM200H-36D	36 x 72	25	1350
5003045	MAXIM200H-42D	42 x 72	27	1800
5003046	MAXIM200H-48D	48 x 72	27	2400
5003047	MAXIM200H-63D	63 x 86	27	3600
5003048	MAXIM300-36D	36 x 72	25	1350
5003049	MAXIM300-42D	42 x 72	35,8	1800
5003050	MAXIM300-48D	48 x 72	46,7	2400
5003051	MAXIM300-63D	63 x 86	55	3600