

Maxim Series

Tandem Water Softeners Systems

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

- FRP (fiber-reinforced plastic) body that is resistant to corrosion
- Protective cover for the salt tank
- Programmable automated valve
- Flow rate-controlled
- Automated back wash process without the need for human intervention
- Max. 40 °C operating temperature
- 3-6 bars operating pressure
- 10 bar test pressure
- Resin mineral in compliance with food regulations
- Electrical supply 220V/50 Hz
- In Maxim Series tandem water softener systems, when one tank performs the wash, the other goes into service, allowing you to have uninterrupted efficiency



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 tandem series systems are designed as standalone systems with flow rate-controlled operation and provide regeneration according to the amount of water flowing.

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.

Ease of use

Ease of operation without the need for an operator.

Automatic Back Washing

Automatic back washing process that does not require human interaction

CODE	MODEL	CONNECTION DIAMETER	TANK SIZE	SERVICE FLOW (m ³ /h)	MINERAL AMOUNT
				Filt.Rate 40 (m/h)	RESIN (lt)
5003021	MAXIM100-105D	1"	10 x 54	2	50
5003022	MAXIM100-13D	1"	13 x 54	3.4	75
5003023	MAXIM100-14D	1"	14 x 65	4	100
5003024	MAXIM100-16D	1"	16 x 65	5.2	125
5003025	MAXIM100-18D	1"	18 x 65	6.1	175
5003026	MAXIM100-21D	1"	21 x 62	6.1	225
5003029	MAXIM125-14D	1 1/4"	18 x 65	4	175
5003030	MAXIM125-16D	1 1/4"	21 x 62	5.2	225
5003031	MAXIM125-18D	1 1/4"	18 x 65	6.5	175
5003032	MAXIM125-21D	1 1/4"	21 x 62	7.7	225
5003033	MAXIM150-18D	1 1/2"	24 x 72	6.5	300
5003034	MAXIM150-21D	1 1/2"	30 x 72	9	450
5003035	MAXIM150-24D	1 1/2"	36 x 72	11.7	675
5003036	MAXIM150-30D	1 1/2"	42 x 72	155.9	900
5003037	MAXIM200-24D	2"	24 x72	11.7	600
5003038	MAXIM200-30D	2"	30 x72	18.2	900
5003039	MAXIM200-36D	2"	36 x 72	26.1	1350
5003040	MAXIM200-42D	2"	42 x 72	26.1	1800
5003041	MAXIM200-48D	2"	48 x 72	26.1	2400