

Maxim Series

Single 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 220V/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.

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

TIME CONTROLLED

| CODE | MODEL | CONNECTION DIAMETER | TANK SIZE | SERVICE FLOW (m ³ /h) | MINERAL AMOUNT |
|---------|----------------|---------------------|-----------|----------------------------------|----------------|
| | | | | Filt.Rate 40 (m/h) | RESIN (lt) |
| 5002965 | MAXIM100-105TC | 1" | 10 x 54 | 2 | 50 |
| 5002966 | MAXIM100-13TC | 1" | 13 x 54 | 3.4 | 75 |
| 5002967 | MAXIM100-14TC | 1" | 14 x 65 | 4 | 100 |
| 5002968 | MAXIM100-16TC | 1" | 16 x 65 | 5.2 | 125 |
| 5002969 | MAXIM100-18TC | 1" | 18 x 65 | 6.1 | 175 |
| 5002970 | MAXIM100-21TC | 1" | 21 x 62 | 6.1 | 225 |
| 5002971 | MAXIM125-14TC | 1 1/4" | 14 x 65 | 4 | 100 |
| 5002972 | MAXIM125-16TC | 1 1/4" | 16 x 65 | 5.2 | 125 |
| 5002973 | MAXIM125-18TC | 1 1/4" | 18 x 65 | 6.5 | 175 |
| 5002974 | MAXIM125-21TC | 1 1/4" | 21 x 62 | 7.7 | 225 |
| 5002975 | MAXIM150-18TC | 1 1/4" | 18 x 65 | 6.5 | 175 |
| 5002976 | MAXIM150-21TC | 1 1/4" | 21 x 62 | 9 | 225 |
| 5002977 | MAXIM150-24TC | 1 1/4" | 24 x 72 | 11.7 | 300 |
| 5002978 | MAXIM150-30TC | 1 1/4" | 30 x 72 | 15 | 450 |
| 5002979 | MAXIM200-24TC | 2" | 24 x 72 | 11.7 | 300 |
| 5002980 | MAXIM200-30TC | 2" | 30 x 72 | 18.1 | 450 |
| 5002981 | MAXIM200-36TC | 2" | 36 x 72 | 26.1 | 675 |
| 5002982 | MAXIM200-42TC | 2" | 42 x 72 | 26.1 | 900 |
| 5002983 | MAXIM200-48TC | 2" | 48 x 72 | 26.1 | 1200 |

FLOW RATE CONTROL

| CODE | MODEL | CONNECTION DIAMETER | TANK SIZE | SERVICE FLOW (m ³ /h) | MINERAL AMOUNT |
|---------|---------------|---------------------|-----------|----------------------------------|----------------|
| | | | | Filt. Rate 40 (m/h) | RESIN (lt) |
| 5002993 | MAXIM100-105V | 1" | 10 x 54 | 2 | 50 |
| 5002994 | MAXIM100-13V | 1" | 13 x 54 | 3.4 | 75 |
| 5002995 | MAXIM100-14V | 1" | 14 x 65 | 4 | 100 |
| 5002996 | MAXIM100-16V | 1" | 16 x 65 | 5.2 | 125 |
| 5002997 | MAXIM100-18V | 1" | 18 x 65 | 6.1 | 175 |
| 5002998 | MAXIM100-21V | 1" | 21 x 62 | 6.1 | 225 |
| | | | | | |
| 5002999 | MAXIM125-14V | 1 1/4" | 14 x 65 | 4 | 100 |
| 5003000 | MAXIM125-16V | 1 1/4" | 16 x 65 | 5.2 | 125 |
| 5003001 | MAXIM125-18V | 1 1/4" | 18 x 65 | 6.5 | 175 |
| 5003002 | MAXIM125-21V | 1 1/4" | 21 x 62 | 7.7 | 225 |
| | | | | | |
| 5003003 | MAXIM150-18V | 1 1/2" | 18 x 65 | 6.5 | 175 |
| 5003004 | MAXIM150-21V | 1 1/2" | 21 x 62 | 9 | 225 |
| 5003005 | MAXIM150-24V | 1 1/2" | 24 x 72 | 11.7 | 300 |
| 5003006 | MAXIM150-30V | 1 1/2" | 30 x 72 | 15 | 450 |
| | | | | | |
| 5003007 | MAXIM200-24V | 2" | 24 x 72 | 11.7 | 300 |
| 5003008 | MAXIM200-30V | 2" | 30 x 72 | 18.1 | 450 |
| 5003009 | MAXIM200-36V | 2" | 36 x 72 | 26.1 | 675 |
| 5003010 | MAXIM200-42V | 2" | 42 x 72 | 26.1 | 900 |
| 5003011 | MAXIM200-48V | 2" | 48 x 72 | 26.1 | 1200 |