

WATER-RIGHT CHLORINE GENERATOR AND SALT ALARM



THE CHLORINE GENERATOR

The Chlorine Generator is a perfect solution for the disinfection of well water systems that use the zeolite media, Crystal Right!

It also acts as a fully automatic conductivity-based salt alarm and diagnostic tool. Combine that with the audible buzzer on the valve and you are sure to have a unit that will always perform at its best.

ADVANTAGES

- Disinfection of Crystal Right
- Conductivity based salt alarm
- Diagnostic tool
- Ammonia removal from Crystal Right media

FOR USE ON WATER-RIGHT PRO VALVES ONLY



Total Care



Impression



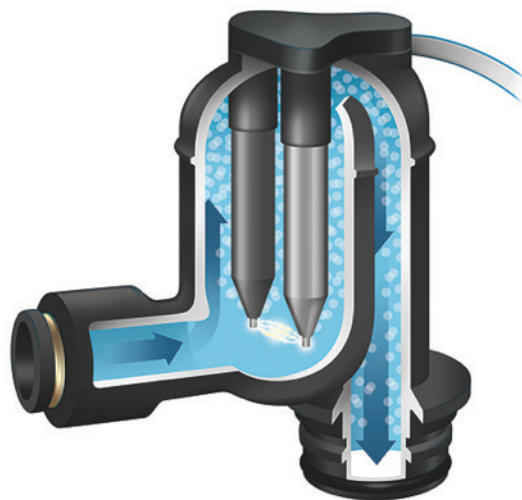
Evolve

HOW THE CHLORINE GENERATOR WORKS

The chlorine generator conveniently creates chlorine directly from the salt in a system's brine solution.

During the brine draw cycle, a pair of electric probes are turned on, which convert the chlorides in the salt (NaCl) into chlorine gas (Cl₂). After destroying contaminants and stopping bacterial growth in the media, the chlorine then dissolves back into the brine solution.

The amount of chlorine the device produces can be adjusted to fit the needs of the system. This is easily accomplished by increasing or reducing power (amperage) to the electric probes. More power generates more chlorine and less power generates a smaller amount.



CHLORINE PRODUCTION

A magnitude of influences can affect the chlorine production. Quality of water, draw rate, brine solution strength, and pressure being some of the largest influencers. Below is a range of chlorine production tested with 100% brine at a standard residential pressure with soft water around 225 TDS. These readings are taken at the top of the tank as the water falls into an open vessel.

100%	Full Power	= 38 ppm +/- 10%
50%		= 19 ppm +/- 10%
20%		= 3.2 ppm +/- 10%

THE SALT MONITOR AND ALARM FEATURES

The chlorine generator also acts as a fully automatic salt monitor, which includes an alarm that alerts the user with audible and visual cues when salt needs to be added to the brine tank.

The same two probes that generate electricity for chlorine generation can detect the level of salt in the brine solution by measuring its conductivity.

DIAGNOSTIC TOOL

When a salt alarm is triggered but there is still enough salt in the brine tank, the cause of the low conductivity may lie elsewhere: a blocked injector or drain line, insufficient inlet pressure, a stack or piston issue, leakages on the brine line, etc.

A good brining is critical for the proper working of a softener or Crystal Right filter and the Chlorine Generator will make sure to detect any issues with improper brining.

ORDER INFORMATION

Chlorinator Black WR Pro	5303017112
In-Line Chlorinator WR Pro	5303010034