



TECHNICAL SHEET

ACCESSORIES STERIL-SOFT PRO





STERIL-SOFT PRO



REGULATION BOX WITH CELL TECHNICAL CHARACTERISTICS

- Input voltage 230 VAC \pm 10%
- Output voltage: 2-6 VDC
- Protection: IP44
- Automatic electrode polarization for each cycle
- Potentiometer for the intensity setting adjustable from 0.2 to 2.5 A
- Potentiometer for cycle time setting adjustable from 2 to 20 minutes
- Complies with CE regulations 73/23 and 89/336

ELECTRODE CELL TECHNICAL CHARACTERISTICS

- Titanium electrodes with linking cable
- Fiber glass reinforced polypropylene body
- Connections $\frac{3}{8}$ inch compression fittings

AUTOMATIC DISINFECTION SYSTEM FOR WATER SOFTENER STERIL- SOFT PRO

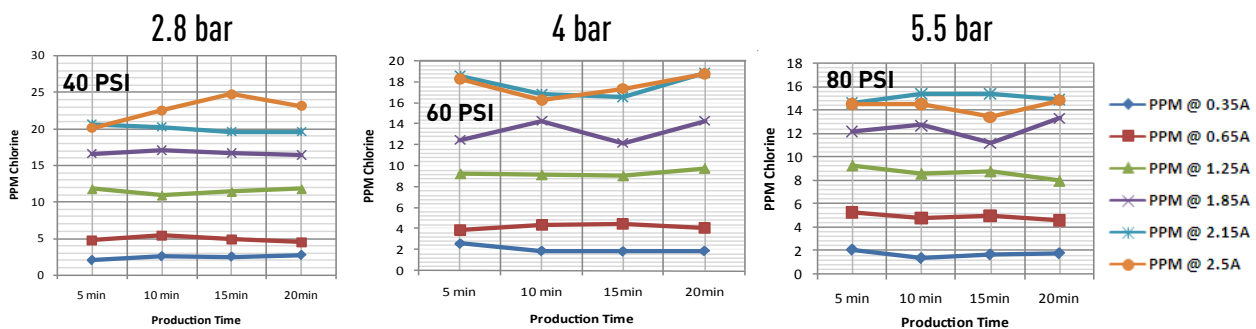
An automatic chlorination of ion exchangers in residential water softeners is already required in most European countries. Even if it is not always compulsory, a periodic chlorination is often advised in order to avoid bacteriological growth, which can affect softened water characteristics. The automatic disinfection system for softeners Steril-Soft Pro:

- Generates chlorine by brine electrolysis during regeneration.
- The chlorine gets in contact with the ion exchange resin at the same time as brine, ensuring regeneration as well as chlorination.
- Chlorine in excess is eliminated during the regeneration process.
- This patented technology generates the electrolysis only during the brine draw cycle and stops automatically based on your own settings: once switched off, the device requires 2 hours before starting another cycle.
- Chlorine production can be set depending on the installation conditions.
- We recommend to follow the chart below in order to set the device for the chlorine PPM required by your system.
- Steril-Soft Pro can be used with any automatic valve with a $\frac{3}{8}$ inch brine line.
- The controller includes its own transformer as well as titanium electrodes.
- The electrode cell is installed in the brine line.



IMPORTANT: THE TIME SETTING MUST BE SMALLER THAN THE BRINE DRAW CYCLE TIME OTHERWISE THERE IS A RISK OF HEATING AND DETERIORATION OF THE ELECTRONIC CELL.

One thermal probe is assembled on the cell in order to avoid any issue related to the temperature increase when the device is not producing chlorine. A perfect setting can only be done if the variable characteristics of the softener are taken into account (brine draw time, resin capacity, injector, etc). Use the following chart as a guideline to obtain the right set up. The chlorine production starts only when the conductivity on the probe reaches 18000 μ S.



INSTALLATION AND MAINTENANCE

1. Remove the cover of the Steril-Soft Pro box. Set the outlet current by using the AMPERE potentiometer, then use the TIME potentiometer to set the cycle time.
2. Close the cover.
3. Fix the Steril-Soft Pro box to a wall or on a bracket, close to a 230V/50Hz electrical supply.
4. Connect the brine line to the inlet and outlet of the electrodes cell.
5. Link the power cord to the Steril-Soft Pro box and plug to the mains. Check that the electrical power is not controlled by a switch. The green L.E.D. indicates that the Steril-Soft Pro is on. The red L.E.D. indicates chlorine production and only comes on during the brine draw cycle.

SETUP INSTRUCTIONS

- The adaptability of the Steril-Soft Pro for softeners is obtained by setting in the TIME potentiometers inside the box.
- The Ampere potentiometer (from 0.2 A to 2.5 A) regulates the amount of chlorine produced. The setup of chlorine quantity depends on various factors such as the inlet water quality, type of bacteria, TDS, pH etc. Pentair cannot commit on this value; however we can suggest you to consult your local authorities.
- The Time potentiometer sets the chlorine production time from 2 to 20 minutes. When the device finishes the production it will remain switched off for 2 hours before being ready for a new cycle.

IMPORTANT: Lime scale can build up with time, thus we recommend an annual maintenance.



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