

Technical Information Bulletin

Date: 16.02.2017

Concerning: software update Rotary & EV1,5

Dear Customer,

In 2015 we implemented a software update on the electronic controller of our 541 control valves, used on our residential water softeners; we are now implementing this software update on the electronic controller of our Rotary and EV1,5 control valves; these control valves are used on our:

1. residential WholeHouse Filters (Softena WHF, Slimline WHF, Maxima WHF) and Oxydizers (Maxima OXY)
2. commercial/industrial water softeners and water filters (ProFlow).

Accelerated setting of 'time of day' and 'time of regeneration'

In the updated software, for the 'time of day' and 'time of regeneration' setting, when the up ▲ or down ▼ button is pushed and held for 5 sec, the setting is accelerated by counting up/down per 15 min increments.

Manual regeneration

In the current software it is only possible to manually initiate an *immediate* regeneration.

In the updated software it is also possible to manually initiate a *delayed* regeneration (at the pre-programmed time of regeneration).

Units of measure for water hardness

In the current software it is possible to program the 'units of measure' for water hardness (French degrees (°f), German degrees (°d) or Clark degrees (°C)). Whenever this unit of measure needs to be changed (often depends on regional habits or preference of installer/dealer!), it is necessary to:

- access the Configuration Parameters programming mode,
- change the setting of the unit of measure for water hardness,
- re-calculate and adjust the setting of the exchange capacity per liter of resin (as this is associated with the unit of measure for water hardness).

In the updated software we have:

- moved the setting of the unit of measure for water hardness, from the Configuration Parameters programming mode to the Basic Settings programming mode, so that it is accessible for the end-user/installer,
- changed the available options to French degrees (°f), German degrees (°d) and Parts per Million (ppm) (with ppm being equal to mg/ltr),
- included an automatic recalculation of the exchange capacity setting (located in the Configuration Parameters programming mode), whenever the setting of the unit of measure for water hardness is changed.

The factory setting of the unit of measure for water hardness is French degrees (°f).

Holiday Mode

In the updated software it is possible, for the end-user, to put the appliance in 'holiday mode'; this will prevent automatic regeneration from taking place, yet will ensure the appliance is automatically regenerated at the end of the holiday cycle. To activate the holiday mode, the end-user has to:

1. press the scroll ⌂ button repeatedly until the display shows:

Holiday: OFF

2. press the up ▲ or down ▼ button to *activate the holiday mode by setting the number of full days away from home, or deactivate the holiday mode (OFF).*

Once the control panel is back in service mode, the display will show:

8:01 Holiday

The holiday mode is automatically cancelled when an immediate regeneration is manually initiated!

Maintenance reminder


In the updated software it is possible to activate a 'maintenance reminder' function. Once a (programmable) maintenance interval is reached, the display will intermittently show the following message:


Maintenance Now



While the appliance continues to operate normally, it reminds/urges the end-user to call for preventive maintenance. To reset the maintenance reminder, the service engineer simply has to access the Configuration Parameters programming mode. **The default factory setting of this 'maintenance reminder' function is '24mths'**. To change the maintenance interval or to deactivate the 'maintenance reminder' function, the installer or service engineer has to access the Configuration Parameters programming mode and program the maintenance interval (in months or 'OFF').

Basic settings

In the current software there is one "installer/end-user" level, that comprises a number of 'basic settings' (language, time of day, water hardness) as well as 'user functions' (start immediate regeneration); this "installer/end-user" level can be accessed by simply pushing the *scroll*  button.

In the updated software the 'user functions' (start immediate regeneration, start delayed regeneration, activate holiday mode) remain in this "installer/end-user" level, while the 'basic settings' (language, time of day, units of measure for water hardness, water hardness) are now grouped in a separate 'Basic Settings' programming mode; this programming mode can be accessed by pushing the *scroll*  button and holding it for 2 sec.

Languages

The number of available languages is now 10 instead of 4: English, French, Dutch, Spanish, Romanian, German, Russian, Czech, Italian, Polish.

Traceability of change in settings

In the updated software, a change to any of the critical parameters (i.e. all configuration parameters and the water hardness (of the untreated water)) is 'flagged' in the Diagnostics Mode; it will show how many days ago one of these critical parameters was last changed.

LastSet : XXXXdays

English-US units of measure

In the updated software, in the Configuration Parameters programming mode, we have added the possibility to select 'English-US' units of measure (12 hr AM/PM clock / US gallons / Grains or ppm hardness). The default factory setting remains 'Metric' (24 hr clock / Liters / °f, °d or ppm hardness).

Compensation for capacity loss of resin due to aging (only for softeners)

In the updated software it is possible, in the Configuration Parameters programming mode, to program a correction factor (in %) for exchange capacity loss of the resin, caused by aging. Every year, the exchange capacity of the resin will be reduced by this 'Age correction factor'.

The factory setting of this 'Age correction factor' is 2,0%. It can be changed (0,0% - 9,9%) in the Configuration Parameters programming mode.

Days override for Duplex Alternating systems (only for softeners)

In the updated software it is now possible, in the Configuration Parameters programming mode, to set the days override for Duplex Alternating systems (this settings was already available for Simplex and Duplex Parallel).

Daily recharge of compressed air chamber (only for Oxydizer)

In the updated software it is possible to activate a 'Recharge daily' function. When activated, the control valve will perform a 'shortened' regeneration daily, consisting only of a recharge of the compressed air chamber. **The default factory setting of this 'Recharge daily' function is 'ON'**. The daily recharge function can be deactivated by the end-user in the Basic Settings' programming mode.

This software update was introduced in our production as of February 16th, 2017. So all systems with a production date as of 16.02.2017 will be equipped with the new updated software.

Please do not hesitate to contact us if you need any additional information on this topic.



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