

Safety instructions

Hazards from non-compliance with safety information

Non-compliance with safety information can result in hazards to persons, the environment, and the equipment.

Non-compliance with safety information will result in a forfeit of any potential right to damage compensation.



Corrosive/flammable dosing fluids

The dosing fluids used are corrosive and/or flammable.

Potential consequence: Damage of property or injury to persons (also danger to life)

- Always follow the relevant health and safety regulations when installing and using the device.
- Never let the ends of the dosing hoses connected to the dosing pumps unconnected to avoid contact with the corrosive or flammable fluids.
- The system must be installed, commissioned and operated by qualified expert personnel only.



Formation of chlorine gas in case of contact of the pH-Minus and liquid chlorine

In case of contact of the pH-minus and liquid chlorine toxic chlorine gas will be formed.

Potential consequence: Damage of property or injury to persons (also danger to life)

- Make sure there is no contact of pH-Minus and liquid chlorine at any time!
- Make sure that pH-Minus and liquid chlorine is never be dosed in still standing water.
- The power supply for the dosing pumps must be connected in the way that the dosing pumps are just supplied with power when the circulation pump is running.



Potential overdosing of liquid maintenance products

Despite comprehensive safety functions a sensor failure and other errors may result in an overdosing of liquid maintenance products.

Potential consequence: Damage of property or injury to persons (also danger to life)

- Design your installation such that uncontrolled dosage is not possible in the event of a sensor failure or other errors, and/or such that uncontrolled dosage is recognised and halted before damage is incurred.



Opening the casing

Danger of electric shock in case of opening the casing.

Potential consequence: Damage of property or injury to persons

- Do not open the casing of the controller.
- Never open the casing of the controller when device is connected to power supply network.



Dangerous system settings

Changing system settings (default values) can be dangerous under certain circumstances.

Potential consequence: Damage of property or injury to persons

- Settings must be changed by trained technicians only.
- The operator assumes liability if settings are used improperly or modified.



Unauthorised access

Unauthorised access may result in dangerous settings.

Potential consequence: Damage of property or injury to persons

- Make sure unauthorised access to the controller is not possible at any time.



Use of non-BAYROL products

The use of other products such as hydrochloric acid to control the pH value may result in serious damage.

Potential consequence: Damage of property or injury to persons

- The system must be operated with BAYROL products only.
- BAYROL does not accept liability for issues caused by using other manufacturers' products.



Disconnect power supply (unexpected start)

The controller starts operation as soon as there is voltage on the incoming power line. Dosing pumps may start turning at any time.

Potential consequence: Damage of property or injury to persons

- Do not supply the controller with power until all preparations for a safe start and safe operation have been completed.
- Before starting any kind of servicing the controller must be connected for power supply network.



Disregard of mandatory change of components

Not changing relevant components may cause leakages of malfunction. Caustic liquids may leak.

Potential consequence: Damage of property or injury to persons (also danger to life)

- Change all named components after winterizing, at least once a year.
- Check all components on a monthly basis and replace components if necessary.



Dosing liquids in hoses and components

Dosing pumps, hoses, injection valves and foot-filter are filled with dosing liquids during operation.

During maintenance caustic liquids may leak.

Potential consequence: Damage of property or injury to persons

- Rinse dosing pumps and all connected components for at least 5 min. before maintaining the system (please see picture in manual).
- Avoid any contact with dosing liquids. Wear protective clothing.
- Make yourself familiar with the safety indications for used dosing liquids.



IMPORTANT!

The operator of the plant must ensure compliance with the relevant accident prevention regulations, other legal provisions and the generally accepted rules of safety engineering!