

## Guide for care method conversion



From oxygen to chlorine  
From oxygen to bromine

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## 1 General safety instructions

This guide is expressly only to be used in combination with the PoolManager® operating manual, which is enclosed with each PoolManager®.

If you do not have a copy of the manual, this can be downloaded from the download centre, which is available at [www.bayrol-poolaccess.de](http://www.bayrol-poolaccess.de).

It is essential that the fitter and the responsible operator read both sets of instructions (this conversion guide and the operating manual for the PoolManager®) before use, and both sets of instructions must be available to each user of the unit at any time.

Read and follow all instructions contained in this guide, and in the PoolManager® guide!

In particular, all safety instructions mentioned in the operating manual must be observed!

This guide solely describes how to convert the care method. Please note that after converting the care method, the same procedure must be followed as for first application of the care method that has been switched to. Further information on this is available in your PoolManager® operating manual.

In order to reduce the risk of injury, do not allow children to use this product.

Only trained specialists who have the appropriate expertise are permitted to perform care method conversion.

Further information on this is available in the PoolManager® instructions.



### IMPORTANT INFORMATION!

The system operator must ensure compliance with the relevant accident prevention specifications, as well as other legal provisions and generally recognised safety rules!

## 2 Conversion

The PoolManager® offers the option of converting the care method.

The conversion kit, Art. No.: 177 311, is available for converting from oxygen to chlorine.

When switching from oxygen to bromine, it is necessary to order the required parts individually.

Before switching the unit software to the respective new care method, the following changes must be implemented on the installation, depending on the conversion variant:



### IMPORTANT INFORMATION!

#### General information

- Before switching, all components that come into contact with the disinfectant (hoses, lines, suction lances, etc.) must be thoroughly rinsed with water.
- The various water-care products (Bayrosoft®, Bayrosoft® Light, Chloriliquide, Aquabrome®, pH-Plus, pH-Minus) may not under any circumstances come into contact with one another. Take appropriate steps to reliably prevent products being mistaken for one another or being mixed together.
- The method of removing the test water may need to be changed.  
Please refer to the installation schedule in the PoolManager® instructions.
- Both mains connections (230 V) for the PoolManager® must under all circumstances be disconnected before switching (exception: manual dosing for the purpose of rinsing the dosing lines).  
All other electrical components (e.g. pool heating and the circulation pump) must also be decommissioned and secured against being switched on unintentionally.
- Please ensure, as far as possible, that your hands and clothing do not come into contact with the disinfectant.  
If applicable, wear appropriate protective clothing!

## 2.1 Switching from oxygen to chlorine, Art. No: 177 311

- Remove the suction lance from the Bayrosoft®, Bayrosoft® Light canister and rinse it thoroughly with clean water. On the suction lance, replace the round "BayroSoft™" sticker with the "Chlor" ("chlorine") sticker. Then, also replace the "Bayrosoft™" (O2) pump sign with the Chlor Cl pump sign. Place the suction lance in a container (e.g. a large bucket), with clean water.
- Now, on the PoolManager®, initiate manual dosing for disinfection (for further details, see the PoolManager® instructions, in the section titled Manual dosing). Let the dosing pump run for disinfection until there is definitely no disinfectant (Bayrosoft®, Bayrosoft® Light) left in the hose system right up to the injection piece.
- Stop manual dosing, disconnect both mains plugs on the PoolManager® and secure them against plugging back in unintentionally.
- Replace the Bayrosoft®, Bayrosoft® Light (3.0 l/h) hose set on the dosing pump for disinfection with the Chloriliquide (1.5 l/h) hose set that is included in delivery of the conversion set. Please ensure that the suction/pressure hose is securely in place. Please also note the essential further information on replacing hoses, which can be found in the "Maintenance"/"Dosing pump hose replacement" section in the PoolManager® instructions!
- Perform a thorough check on the suction and pressure hose before and after the dosing pump for disinfection.



### IMPORTANT INFORMATION!

When using liquid chlorine, we strongly advise the use of a PTFE hose (Art. No.: 100512, 6 x 4 mm PTFE hose; not included in delivery) on the pressure side (between the hose set for the dosing pump and injection piece).

The polythene hose used for dosing oxygen and pH-Minus/pH-Plus may under some circumstances age at an accelerated rate, and leak when using liquid chlorine!

- Close the test water removal and recirculation taps.
- Unscrew the locking screw next to the pH electrode from the measuring cell and instead screw in the redox electrode. Be careful when rotating the electrode in, and ensure that it is positioned securely.
- Connect the redox electrode on the PoolManager® to the labelled connector (also see PoolManager® instructions).



- Open the test water removal and recirculation taps.
- Reconnect the PoolManager® to the mains, and switch the unit software to the new care programme (see "Switching the care programme in the unit software").

## 2.2 Switching from oxygen to bromine

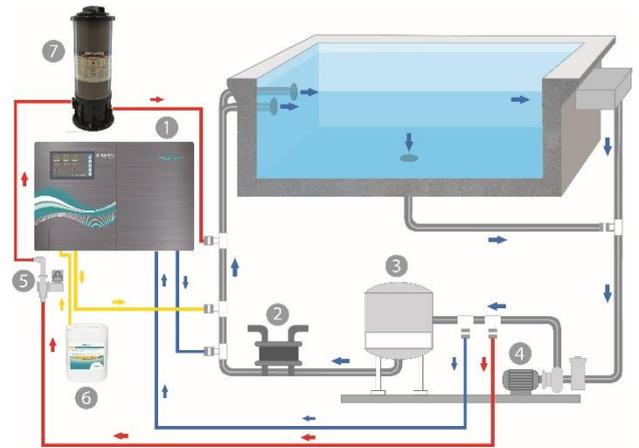
### Required parts:

- 172125 Dosing valve component
- 184843 Redox buffer, 465 mV
- 185300 Redox electrode
- BROMINATOR (based on full size/disinfectant requirement)

Please contact BAYROL to discuss which parts you need if you're not certain.

Please proceed as follows:

- Integrate the Brominator and magnetic valve into the recirculation system in accordance with the following schedule (see also the schedule in the PoolManager® instructions). Ensure that the pipe connections are as short as possible.



- PoolManager® bromine
- Heat exchanger/heating
- Sand filter
- Recirculation pump
- Magnetic valve
- pH-Minus / pH-Plus
- Brominator

- Remove the suction lance from the Bayrosoft®, Bayrosoft® Light canister and rinse it thoroughly with clean water. Place the suction lance in a container (e.g. a large bucket), with clean water.
- Now, on the PoolManager®, initiate manual dosing for disinfection (for further details, see the PoolManager® instructions, in the section titled "Manual dosing"). Let the dosing pump run for disinfection until there is definitely no disinfectant (Bayrosoft®, Bayrosoft® Light) left in the hose system right up to the injection piece.
- Stop manual dosing, disconnect both mains plugs on the PoolManager® and secure them against plugging back in unintentionally.
- Switch off the recirculation pump and close the stopcocks before and after the injection piece for the disinfectant (Bayrosoft®, Bayrosoft® Light).
- Remove the dosing hose at the injection piece for disinfection. Replace the injection piece for disinfection with an appropriate cap screw.

- Only open the stopcocks again once the cap screw is secure and tight.
- Fit the magnetic valve at an appropriate location.
- Remove the protective hood of the PoolManager® and open the terminal box cover (for instructions, please refer to the section titled “Service measures on the unit”/“Opening the terminal box” in the PoolManager® instructions).
- Remove the dosing pump for disinfectant connections from terminals 20 (L), 23 (N) and 24 (PE). Please also observe the terminal connections diagram in the PoolManager® instructions (section titled “Connection terminals”)!
- If the pump is to remain in the unit (e.g. for bilateral pH control), please carefully insulate the cable ends of the dosing pump in order to prevent a short-circuit. You can also remove the pump. In this case, we recommend replacing the pump housing with pump housing with only one opening (Art. No.: 127001).
- Insert the magnetic valve connecting cable into the PoolManager® housing. To do so, use an available cable lead-through on the underside of the controller.
- Connect the magnetic valve to the available connection terminals of the disconnected dosing pump (terminals 20 (L), 23 (N), and 24 (PE)). Please also observe the terminal connections diagram in the PoolManager® instructions (section titled “Connection terminals”)!
- Close the PoolManager® terminal box cover.
- Close the test water removal and recirculation taps.
- Unscrew the locking screw from the measuring cell and instead screw in the redox electrode. Be careful when rotating the electrode in, and ensure that it is positioned securely.
- Connect the redox electrode on the PoolManager® to the labelled connector (also see PoolManager® instructions).



- Open the test water removal and recirculation taps.
- Reconnect the PoolManager® to the mains, and switch the unit software to the new care programme (see “Switching the care programme in the unit software”).

### 2.3 Switching the care programme in the unit software

The care programme is switched (oxygen (O2/Bayrosoft®, Bayrosoft® Light)/chlorine (Cl)/bromine (Br)) in the menu



menu hotkey



Service functions

→ Expanded functions

→ Care programme configuration

The preferred new programme and a matching code number must be entered in each case. The code number depends on the previous care programme **and** the selected new care programme:

Current programme	New programme	Code number
PoolManager® O2	PoolManager® Cl	122
PoolManager® O2	PoolManager® Br	123
PoolManager® Cl	PoolManager® Br	223
PoolManager® Br	PoolManager® Cl	322

### 2.4 Setting the water values with the new care method

When setting the water values with the new care method, follow the same procedure as when first commissioning a pool.

We recommend using the first commissioning assistant for performing initial adjustment (see section titled “First commissioning” in these instructions, and in the PoolManager® instructions).



#### IMPORTANT INFORMATION!

Please note that, before the use of chlorine/bromine, the Bayrosoft®, Bayrosoft® Light content must first have dropped to 0 mg/l.

If the Bayrosoft®, Bayrosoft® Light content in the pool water is still > 5 mg/l at the time of switching, we recommend temporarily caring for the water using Soft & Easy until the Bayrosoft®, Bayrosoft® Light has completely degraded.



#### IMPORTANT INFORMATION!

We recommend the electronic pool tester, Art. No. 287300, for checking the water values (pH, chlorine and bromine).

#### 2.4.1 First commissioning

The PoolManager® has a menu for first commissioning. This menu is used to request all parameters relevant to successful installation.

The menu for first commissioning can be accessed as follows:



→ Service functions → First commissioning

Please note the further information on first commissioning available in the PoolManager® instructions, under “First commissioning”.

\*Bayrosoft® is not available in Germany. Bayrosoft® Light is the replacement product