

Information about these operating instructions

Welcome to OASE Living Water. You made a good choice with the purchase of this product **Eco Control**. Prior to commissioning the unit, please read the instructions of use carefully and fully familiarise yourself with the unit. Ensure that all work on and with this unit is only carried out in accordance with these instructions. Adhere to the safety information for the correct and safe use of the unit. Keep these instructions in a safe place! Please also hand over the instructions when passing the unit on to a new owner.

Symbols used in these instructions

The warning information is categorised by signal words, which indicate the extent of the hazard.



WARNING

- Indicates a possibly hazardous situation.
- Non-observance may lead to death or serious injuries.



NOTE

Information for the purpose of clarification or for preventing possible damage to assets or to the environment.

Scope of delivery

<input type="checkbox"/> A	Description
1	AquaMax Eco Control
2	Retaining frame for fastening the device to the wall, or for fitting it to the ground stake or holding clip
3	Ground stake
4	Holding clip for fastening the device to the pump handle

Product Description

Eco Control can be used to control EGC-capable OASE pumps.

Features:

- Connection to the EGC socket of the pump.
- Illuminated display.
- Does not require a separate power supply.
- Control of the pump capacity, switching the Seasonal Function Control (SFC) and Dynamic Function Control (DFC) on or off, selection of programmes.
- Allows display of the pump status and malfunctions.

Intended use

Eco Control, referred to as "unit", may only be used as specified in the following:

- Connection to OASE pumps with EGC connection, that are suitable for control via this device.
- Operation under observance of the technical data.

Installation and connection

Fastening the device to the pump

How to proceed:

☐ B

1. Fit the holding clip onto the pump handle.
2. Slide the device onto the holding clip.
3. Align the device.

Installing the device with the ground stake

How to proceed:

☐ C

1. Fully insert the ground stake into the ground.
2. Slide the device onto the ground stake.
3. Check its stability.

Fastening the device to the wall

How to proceed:

□ D

1. Remove the retaining frame and fasten it to the wall using suitable screws.
2. Fit the device into the retaining frame.
 - Ensure that the device is properly engaged in the retaining frame.

Connect the unit

How to proceed:

□ E

1. Remove the protection cap from the unit.
2. Fit the plug connector and secure with the two screws (max. 2.0 Nm).
 - Ensure that the rubber seal is clean and fits exactly.
 - Replace the rubber seal if damaged.
 - Only connect the plug to the left-hand EGC socket.



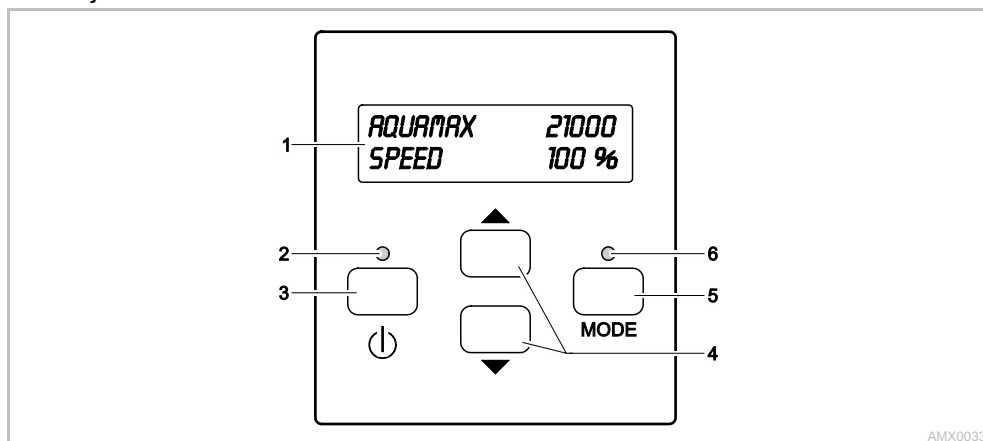
NOTE

The device will be destroyed if water penetrates the EGC sockets.

- Close the EGC sockets with EGC plugs or a protection cap.

Operation

Control system overview



AMX0033

Description

- 1 Two-line display with backlighting
- 2 LED ON/OFF
- 3 ON/OFF button
- 4 Arrow keys
- 5 Mode button
- 6 LED MODE

Function

- Indicates whether the pump is switched on or off.
- For switching the pump on or off.
- For changing values in the menus or selecting other lines in the menu.
- For selecting the next menu in the display.
The selection is continuous. It continues from the last menu to the first menu.
- Indicates the pump status.

Status displays

The LEDs signal the following statuses:

LED	Status	Description
LED ON/OFF	Green	The pump is switched on.
	Off	The pump is switched off.
LED MODE	Green	Seasonal Function Control (SFC) and/or Dynamic Function Control (DFC) is activated
	Red flashing	Malfunction (→ Error messages)
	Off	SFC and/or DFC is deactivated

Menu: AquaMax Eco Expert / AquaMax Eco Titanium pump

When the AquaMax Eco Expert pump is connected, the following menus and setting possibilities are available.



AQUAMAX 21000
PUMP OFF

Description

- Connected pump (e.g. AquaMax Eco Expert 21000)
- The pump is switched off.

Setting

- Switch on the pump via the ON/OFF button.

MODE



AQUAMAX 21000
SPEED 100 %
AQUAMAX 21000
SFC MODE MAX

- Connected pump (e.g. AquaMax Eco Expert 21000)
- The pump is switched on.

Operating modes

- **SPEED:** The speed is shown as a percentage (SFC is deactivated).
- **SFC MODE:** SFC is activated (it is not possible to adjust the speed).
 - SFC mode (MIN, MID, MAX)

Adjustment (only for SPEED)

- Change the speed using the arrow keys.
- 0 %: Min. speed, 100 %: Max. speed

SFC ON
SFC MODE MID

Only display

- **SFC** (Seasonal Flow Control)
 - ON: Activated
 - OFF: Deactivated
- **SFC MODE** (MIN, MID, MAX)
 - SFC deactivated: No display
- Select the next display using the arrow keys.

POWER 250 W
RPM 2300 /MIN

Only display

- Current power consumption of the pump in watts
 - Display precision: ± 5 % of the max. pump capacity
- Current speed of the pump in rpm
- Select next/previous display using the arrow keys.

RUNTIME 45 H
SN 1234567890

Only display

- Total pump operating time in hours
- Pump serial number

SET SFC → ON
OFF

- SFC is switched on.

Setting

- Switch off SFC using the arrow key.

SET SFC ON
→ OFF

- SFC is switched off.

Setting

- Switch on SFC using the arrow key.

Menu: Aquarius Eco Expert pump

When the Aquarius Eco Expert pump is connected, the following menus and setting possibilities are available.



AQUARIUS 28000
PUMP OFF

Description

- Connected pump (e.g. Aquarius 28000)
- The pump is switched off.

Setting

- Switch on the pump via the ON/OFF button.

MODE



AQUARIUS 28000
PUMP 100 %

- Connected pump (e.g. Aquarius 28000)
- The pump is switched on.

AQUARIUS 28000
DFC MODE SCENE 1

Operating modes

- **SPEED**: The speed is shown as a percentage (DFC is deactivated).
- **DFC MODE**: DFC is activated (it is not possible to adjust the speed).
 - DFC mode (SCENE 1 ... SCENE 12)

Adjustment (only for **SPEED**)

- Change the speed using the arrow keys.
- 0 %: Min. speed, 100 %: Max. speed

DFC MODE OFF
DFC MODE SCENE 1

Only display

- **DFC** (Seasonal Flow Control)
 - **ON**: Activated
 - **OFF**: Deactivated
- **DFC-MODE** (SCENE 1 ... SCENE 12)
 - DFC deactivated: No display
- Select the next display using the arrow keys.

POWER 250 W
RPM 2300/RPM

Only display

- Current power consumption of the pump in watts
 - Display precision: ± 5 % of the max. pump capacity
- Current speed of the pump in rpm
- Select next/previous display using the arrow keys.

RUNTIME 45 H
SN 1234567890

Only display

- Total pump operating time in hours
- Pump serial number

SET DFC SCENE 1
DFC MODE → OFF

- DFC is switched off.

Setting

- Switch on DFC

SET DFC → SCENE 1
DFC MODE ON

- DFC is switched on, program 1 is selected

Setting

- Program selection (SCENE 1 ... SCENE 12) and switching DFC off using the arrow keys

SET DFC → SCENE 12
DFC MODE ON

Error messages

Once a malfunction has been remedied, the error message automatically disappears.

Error message	Cause	Remedy
<div>WARNING</div> <div>NO WATER</div>	The pump has run dry (dry run protection has tripped).	<div>– Flood the pump.</div> <div>– Fully submerge the pump for operation in a pond.</div> <div>– Vent the supply line.</div> <div>– Remove any blockage from the supply line.</div>
	Filter housing clogged (dry run protection has tripped).	Clean the pump.
<div>WARNING</div> <div>MOTOR BLOCKED</div>	Impeller unit is blocked (dry run protection has tripped).	Disconnect the power supply and remove obstacle. Then switch the pump on again.
<div>WARNING</div> <div>HIGH TEMPERATURE</div>	Ambient temperature for dry installation is too high.	<div>– Avoid exposure to direct sunlight.</div> <div>– Note maximum water temperature of +35°C.</div>
	Water temperature too high	Note maximum water temperature of +35°C.
<div>WARNING</div> <div>HIGH POWER</div>	Current consumption too high <div>– Impeller unit running sluggishly</div> <div>– Excessively soiled water</div>	Clean the pump.

Storage/overwintering

The unit is frost-proof to -20 °C. If lower temperatures are expected, the unit must be removed and put into storage.
How to correctly store the unit:

- Protect the EGC plug from moisture and dirt.

Wear parts

The following components are wear parts and are excluded from the warranty:

- EGC plug seal

Disposal



NOTE

Do not dispose of this unit with domestic waste.

- Render the unit unusable beforehand by cutting the cables and dispose of the unit via the return system provided for this purpose.

Spare parts

The use of original parts from OASE ensures continued safe and reliable operation of the unit.
Please visit our website for spare parts drawings and spare parts.



www.oase-livingwater.com/spareparts