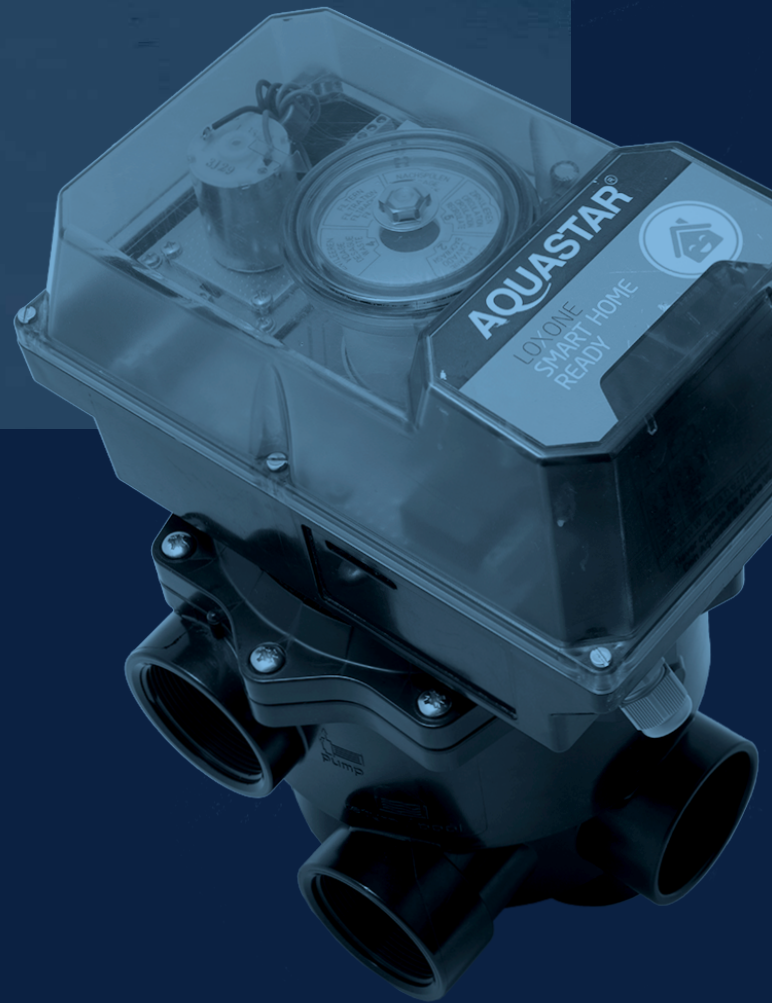


smart POOL, NIVEAU, SOLAR CONTROLS



THE
TOTAL
CONTROL



Loxone Miniserver



Loxone Aquastar® Air
pool control

POOL CONTROL AT THE TOUCH OF A BUTTON

The future of the pool control starts with the most modern 7-position backwash valve, the Loxone Aquastar® Air pool control.

It ensures **regular and automatic pool filter processes** for best hygiene and cleanliness of the pool water. The Loxone Miniserver is the centre of the pool control in an Smart Home system, bringing various systems and devices together. Wireless connection with the Loxone Aquastar® Air enables easy configuration, intelligent control functions, monitoring and automation of the pool.

LOXONE AQUASTAR® AIR POOL CONTROL



- _ Fully automatic pool control and monitoring of temperature, filter time, pool water level, and much more from far
- _ Free app for all common mobile devices, alarms malfunction, free software updates, individual configuration of the app
- _ For dimensions 1½" and 2"
- _ 3 free multi purpose relays for additional functions (heat pump, salt electrolysis, lighting,...)
- _ Easy retrofit adaptation on all common filter brands by Praher Side/Top Mount valves and Praher ABS piping
- _ Individual extension of control functions by modbus or DMX extensions
- _ Fully integrable in the Smart Home system and controllable in the mobile app

CONTROL FUNCTIONS

- _ Monitoring of the pool water temperature; control of the pool temperature by integration of a heat pump, heat exchanger etc.
- _ control of the filter process
- _ control of the pool water level

EXTENSION OPTIONS

Connecting the Loxone Aquastar® Air with the Loxone Miniserver offers much more than just pool control and automation. The system can be used for a variety of additional applications:

- _ Integration and control of pool lighting
- _ Integration of Aquastar® SafetyPack technology for a safe filter operation in case of power failure
- _ Integration of dosing and salt electrolysis systems
- _ Integration of jet streams
- _ Regulation of pool covers
- _ control and integration of outdoor lighting
- _ Control of the entire home technology (shutters, home security, energy, music, etc.)
- _ Numerous energy saving features (e.g. pump operation via installation of photovoltaic unit)

Backwash Valve Loxone AQUASTAR® Air



WLAN
CONNECTION



SMART PHONE
APPLICATION



LOXONE
MINI SERVER

Loxone AQUASTAR® Air Start Package

Visualization on smart phone: filter time, backwash timer, setpoint water temperature, under water lighting On/Off, service applications,...*



WLAN
ROUTER



PRESSURE SENSOR
for niveau control of overflow
expansion tank /
dry-running protection



TEMPERATURE
SENSOR

Loxone AQUASTAR® Air Start Package PLUS

Additional visualization of Adagio Pro under water lighting (controllable and dimmable) and salt electrolysis



LOXONE
MODBUS*
Control and integration
of salt electrolysis
systems



LOXONE
DMX*
for control and integration
of Adagio Pro under water
lighting



ELECTRIC BOARD
MODBUS*



Prod.No.
7300671

iQntrol-P5 – the ALLROUNDER

- _ Filter control
- _ Heating control
- _ Solar control
- _ Backwash control
- _ Water level regulation

The P5 is an universal swimming pool control, which is the entire control technology of a modern swimming pool and is suitable for all common filter pumps & manual/auto backwash valves.

It is designed for easy installation and pre-adjusted with common parameters. With an info button it is visible whether level controller, timer or the heating has been switched on.

The P5 offers remote maintenance from the PC via cable, modem or mobile phone and informs in case of failure with error description via SMS.

FEATURES

400V or 230V filter system. Simple operation, remote maintenance, ASCII interface to bus systems, SMS alert in case of operation errors, Whirlpool operation, universal inputs / outputs, energy saving functions, use of synergies for resource-saving intelligent control, splash-proof, information button to read what is going on, watch with 10 years power reserve, water-proof housing with transparent lid etc.



Different backwash set available



Prod.No.
7300668

iQntrol-P4

- _ Filter control
- _ Heating control
- _ Solar control
- _ Backwash control

This modular splash-proof filter control with automatic backwash function works with IP65 microprocessors. A heating controller with relays can be connected to the iQntrol P4 front panel, so retrofitting becomes child's play.

Special security offers the electronic motor protection. During installation it will be adjusted automatically to the right value and recognizes broken relays thanks to the intelligent processor technology.

FEATURES

for 230V or 400V pump with automatic backwash, heating controller and solar controller with priority for the sun. Remote control via cable or modem, SMS error dispatch, protection functions, directly connectable piston valves for filter backwashing, universal input, waterproof housing with transparent cover, etc



REMOTE CONTROL UNIT FOR iQntrol-P5 AND iQntrol-P4

With this remote control unit, iQntrol-P4 or P5 can be conveniently controlled from a room in the house.

**iQntrol-P3**

Prod.No. 7300666, 7300667

- _ Filter control
- _ Solar control

**iQntrol-P2**

Prod.No. 7300664, 7300665

- _ Filter control
- _ Heating control

**iQntrol-P1**

Prod.No. 7300662, 7300663

- _ Filter control

These three models have been specially designed to regulate the pool temperature with the filter control. The basic model is the simply intelligent iQntrol-P1 filter control.

Thanks to state-of-the-art microprocessor technology, the controller manages with just a few components and thus offers practical functions through smart technology.

The pool temperature is regulated with a large knob. In the P3 filter control, the difference temperature can be adjusted as well.

FEATURES

Large rotary button for setting the maximum tank temperature, HandOn protection, residual heat after-run, easy control with only 2 buttons, LED's indicate the operation status of the filter, heater and motor, compact housing with already installed cable glands, intelligent self-adjusting motor protection with relay monitoring and automatic reset for maximum safety

iQntrol NIVEAU-, TEMPERATURE CONTROLS

**iQntrol-N2**

Prod.No. 7300681

- _ Splash tank control

Microprocessor water flow control for swimming pools with overflow edge. Works e.g. together with the iQntrol-N2 probe set. Contains intelligent functions such as probe monitoring and fill-time monitoring, power-saving function for the filter pump. All outputs are potentialfree changeover contacts, therefore suitable for any pool control. Potential-free fault message output for the control technology

**iQntrol-N1**

Prod.No. 7300676

- _ Niveau control with switch OFF, automatic and test

Accurate leveling the water level, waves are ignored by the electronics and do not cause the refill valve to pulse, direct connection of the non-contact probe, New measuring method prevents corrosion and calcification of the probe tip, probe delay and sensitivity is adjustable for particularly soft or salt water, signal lamps show if the unit is working/the probe has water contact/the valve is filled



NIVEAU CONTROLS

**Niveau control NC01**

Prod.No. 130293

ready to plug in with time relay switch which can be sent from 2 - 135 sec.
Incl. PVC solenoid floater for easy installation in Ocean® skimmer M5 and PT, as this is fitted with an integrated height adjustable in Ocean® skimmer M5 and PT, as this is fitted with an integrated height adjustable retention system for this floater

SOLAR CONTROLS



iQntrol-S2

Prod.No. 7300681

iQntrol-S1

Prod.No. 7300676

_ Solar control with large digital display

_ Solar control with manual setting Tmax. (20–40 °C) and Tdiff

These controllers are located in a service-friendly plug housing. The mounting base with its screw terminals is mounted on the wall or snapped onto a DIN rail. Two potential-free changeover contacts enable easy control of the pump and a motor / solenoid valve. Setting ranges are 1°C to 12°C for the differential temperature and 20°C to 40°C for the maximum temperature limitation.



Solar control SC01 with 2-way ball valve

Prod.No.
129635 (d50),
129336 (d63)

Solar control SC01 with 3-ball valve

Prod.No.
129637 (d50),
129638 (d63)

consisting of a ready to plug-in compact control unit, the required pool temperature can be set manually (+20 °C up to +40 °C).

- _ Cold water sensor with 3 m cable
- _ Warm water sensor with 10 m cable
- _ Original Praher® 2-/3-way PVC ball valve with EO510 electric actuator
- _ IND 12-24 V AC/DC (DN40/d50 or DN50/d63)
- _ Manual override
- _ IP54 protection code
- _ CE-marking
- _ Optical position indication



Solar control SC02

Prod.No.
120848

Solar control SC01 with 3-way ball valve

Prod.No.
126566A (2-W),
126564A (3-W)

The SC02 consists of a ready to plug-in and compact (acc. to DIN) control box, the required pool temperature (+5°C up to +60°C) can be set manually.

Furthermore this control system has an integrated connection for the "solar pump" 230V for direct control, digital display, cooling function as control function that in case of increasing pool water temperature set-up temperature is not exceeded ("red blinking leds"), adjustment of temperature difference between pool and collector from +2°C up to 20°C, switch from Celsius to Fahrenheit possible. Furthermore there are included a cold water temperature sensor with 3 m connection cable as well as a warm water temperature sensor with 10 m connection cable which have to fixed after the skimmer or the solar absorber.

The SC02 solar controls are mainly used for solar heatings in private pools. This extends the outdoor pool season.

ECONOMICAL AND EFFICIENT 2 AND 3 WAY PVC VALVE WITH INTEGRATED SOLAR CONTROL

The SCO4 which can be easily integrated in the hose piping by using hose nozzles (optional accessories) or directly on the Ocean® V6.

With this compact solar control all necessary functions are integrated with the EO510 electric actuator:

Adjustment of pool water temperature from +20°C up to +40°C

1x cold water sensor with 3 m connection cable
1x warm water sensor with 10 m connection cable (each one) which can be fixed to the piping or after the skimmer respectively on the solar absorber
2-/3-way Praher PVC ball valves DN40/ d50 or DN50/d63 way), manual override, protection code IP54, CE marking and optical position indication with EO510 electric actuator 230V AC/DC with integrated balance hole in the ball

FAMILY, SPORT, RELAXATION – THERE IS LIFE IN A POOL.



PERAQUA[®]
pooled family pleasure

A POOL FULL OF LIFE

It is our highest permission to enrich every pool with creative, perfect fitting, affordable and durable pool technology. Our focus is on the maximum ease of use, safety, cleanliness and sustainability of the selected technology for your pool projects.

Tailored to the digital age, you can choose between fully automatic pool control systems based on WIFI connection or manual control systems in **Peraqua[®] Quality**.

Our mission is to implement Peraqua[®] & Praher Top Quality in all areas of sales, marketing, service, logistics, training, repair, and after-sales services with the best dedication.

PERAQUA®

pooled family pleasure

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