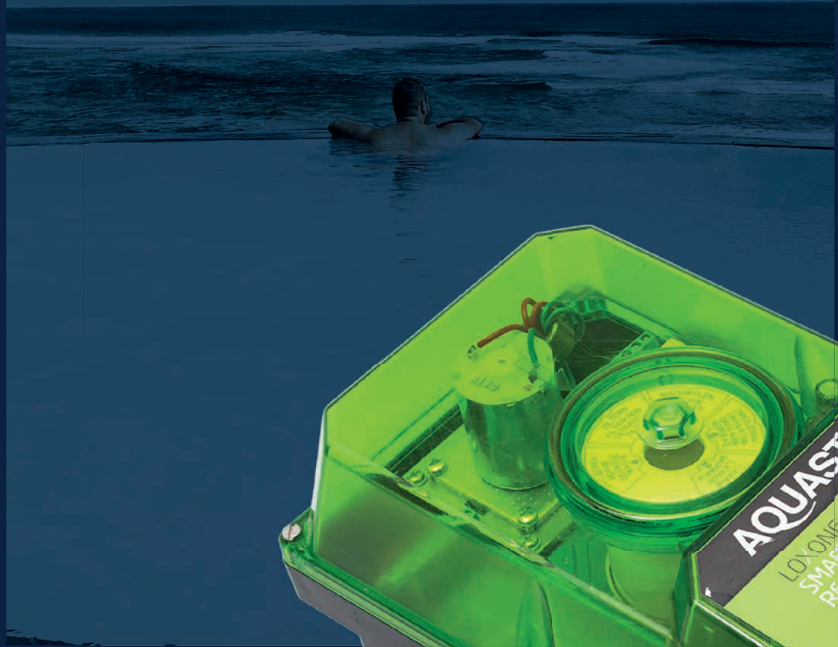


smart POOL, NIVEAU, SOLAR CONTROLS



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 and pool water level in the Loxone® Smart Home App (iOS and Android), individual extension of control functions by Loxone® extensions
- _ 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
- _ Connection of Aquastar® SafetyPack possible (available seperately)

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 of pool lighting, heat pumps, dosing and salt electrolysis systems
- _ Integration of jet streams, pool covers, outdoor lighting and 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

AQUASTAR® Air extensions

In addition to the filter and backwash times, the Aquastar® Air can be used to regulate the water level and measure the target temperature.



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



**TEMPERATURE
SENSOR**

iQnnect pool system with AQUASTAR® Air

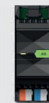
Additional integration of underwater lighting (controllable and dimmable), heat pump, filter pump, salt electrolysis and dosing systems by means of extensions



**LOXONE
MODBUS®**
Control and integration
of salt electrolysis systems
and heat pumps



**LOXONE
DMX®**
Control and integration of
under water lighting

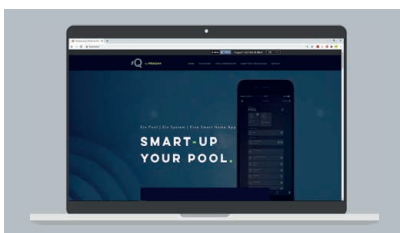


**LOXONE
AO**
Control and Integration of Smart
swimming pool pump E.PRO



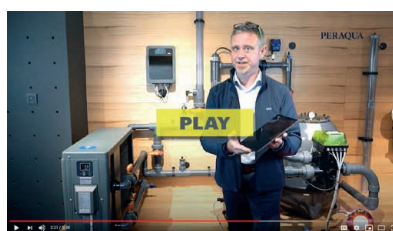
The Aquastar® Air is part of the iQnnect system by Peraqua®. iQnnect is an exquisite range of intelligently networked Peraqua® pool components for a fully automatic and device-controlled pool. With the aim to operate a completely automatic, safe and sustainable pool system via a smart device, iQnnect from Peraqua® creates 100% added value in daily pool operations.

MORE INFO



www.iqnnect.net

This is the address for a clear presentation of all information about the iQnnect system.



YouTube **iQnnect Pool**

The explainer videos show the various possibilities of an iQnnect pool with the Loxone® Smart Home App.



The iQnnect Guide provides detailed information on implementing an iQnnect pool. This includes technical information, installation instructions, system diagrams, product numbers, and much more.

AQUASTAR® CONTROL-P6

- For dimensions 1½", 2" and 3"
- Multigrade operating voltage (100-240 VAC 50-60Hz/150-300VDC or 24V AC/DC)
- Fully automated backwash system inclusive control functions and expansion options by freely configurable relays and digital inputs
- The intelligent electronic control system and easy-to-read display provide clear usability and numerous fully automatic functions on a single unit
- Easy adaptation and retrofitting to all common filter brands with a 1½" or 2" Praher Side Mount or Top Mount valve



Backwash valve AQUASTAR® Control P6



INTEGRATED
DIGITAL TIMER



INTEGRATED
PRESSURE RELEASE



HEAT CONTROL
NIVEAU CONTROL
PUMP CONTROL

The new functions combined in one device provide a perfect overview, more application security and individual control according to your needs.

BACKWASH TRIGGER

Backwashing is time or pressure dependent triggered. Digital inputs also enable control via external controls. With the new display, backwashing can also be triggered via the menu.

PUMP CONTROL

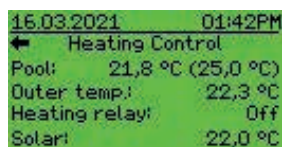
The new Aquastar® Control regulates the filter times fully automatically, which can be set via the menu. When the position of the valve changes, the valve disc rises. The pump is switched off automatically so that the valve disc can be switched over without pressure.

TEMPERATURE AND SOLAR CONTROL

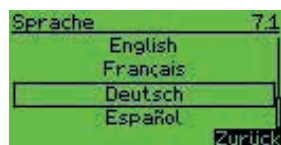
The „Heating“ relay can be used to switch off a heater before switching off the pump. Up to 3 digital 1-wire sensors can be connected: heating control with pool sensor, solar control with additional solar sensor and display of the outside temperature

NIVEAU CONTROL

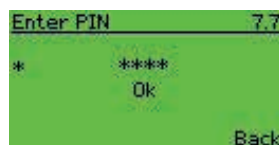
The float switch for skimmer pools can be connected via a digital input. If the water level in the pool is too low, water is automatically topped up.



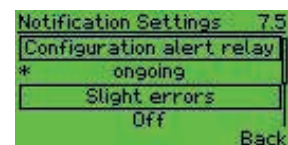
Perfect overview: automatic display of all parameters on the status screen



Available in several languages in German, English, French and Spanish



PIN-protected secure System only allows authorized users to make changes



Innovative alarm system: permanent check, error message and automatic emergency stop if necessary

iQntrol-P5 – the ALLROUNDER

Prod.No.
7300671



- _ 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

iQntrol-P4

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



Prod.No.
7300668

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 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



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.

PRAHER PLASTICS



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

PRAHER PLASTICS



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

PERAQUA®

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