

PERAQUA®



Qnnect
.NET



DESIGNED, ENGINEERED AND MADE IN AUSTRIA

iQnnect

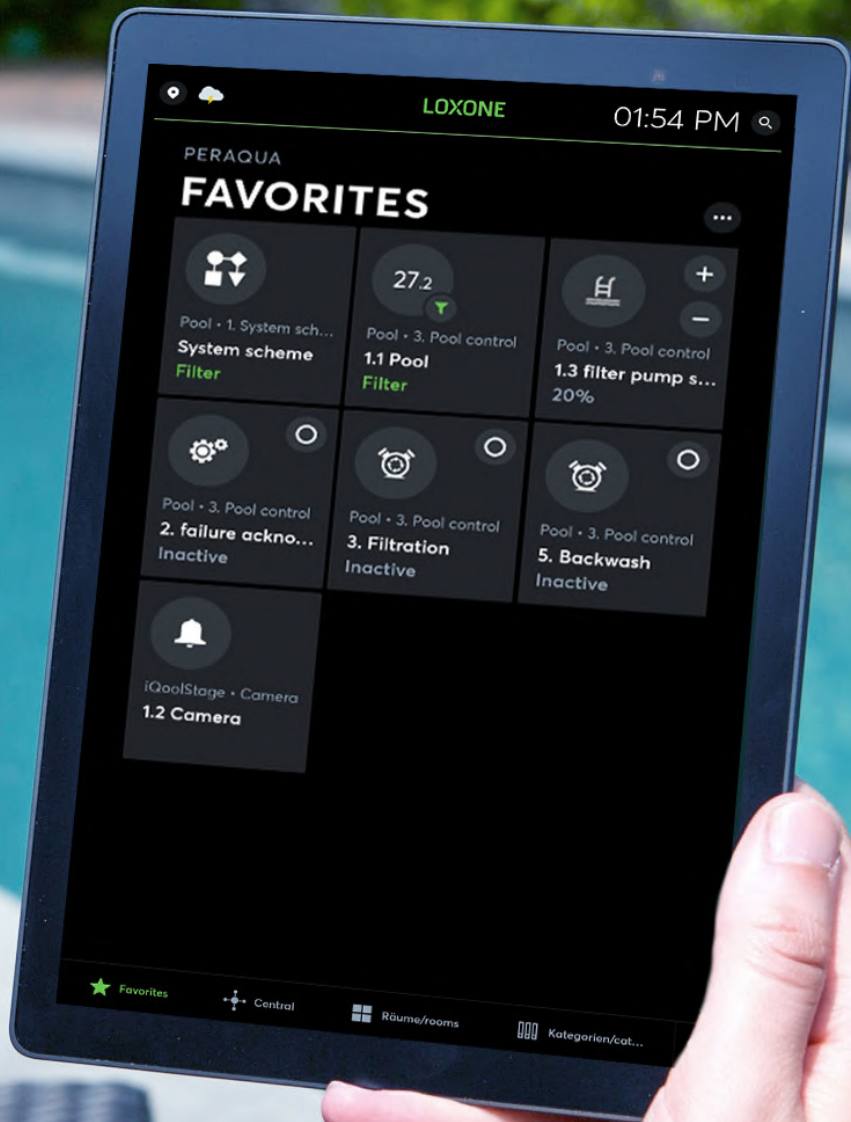
iQnnect is an exquisite range of intelligently networked pool technology from the Peraqua® product range for fully automatic pool control. With the aim to run a completely automatic, safe and sustainable pool system via a smart device, iQnnect from Peraqua® creates 100% benefit in daily pool operation.

POOLED INTELLIGENCE

Digitalization entered the pool industry a long time ago. Real-time data on salt content, pH and chlorine values, redox value, water temperature, energy consumption and filtration - readable and adjustable via various apps on mobile devices - are no longer a thing of the future.








Peraqua® goes one step further and creates maximum usability from the "jungle" of pool apps. And this works by controlling the entire pool technology via a single app, which can also be used to control the entire smart home.





LOXONE 01:54 PM

PERAQUA FAVORITES

| | | |
|---|--|---|
|  Pool - 1. System sch... System scheme Filter | 27.2  Pool - 3. Pool control 1.1 Pool Filter |  Pool - 3. Pool control 1.3 filter pump s... 20% |
|  Pool - 3. Pool control 2. failure ackno... Inactive |  Pool - 3. Pool control 3. Filtration Inactive |  Pool - 3. Pool control 5. Backwash Inactive |
|  iQoolStage - Camera 1.2 Camera | | |

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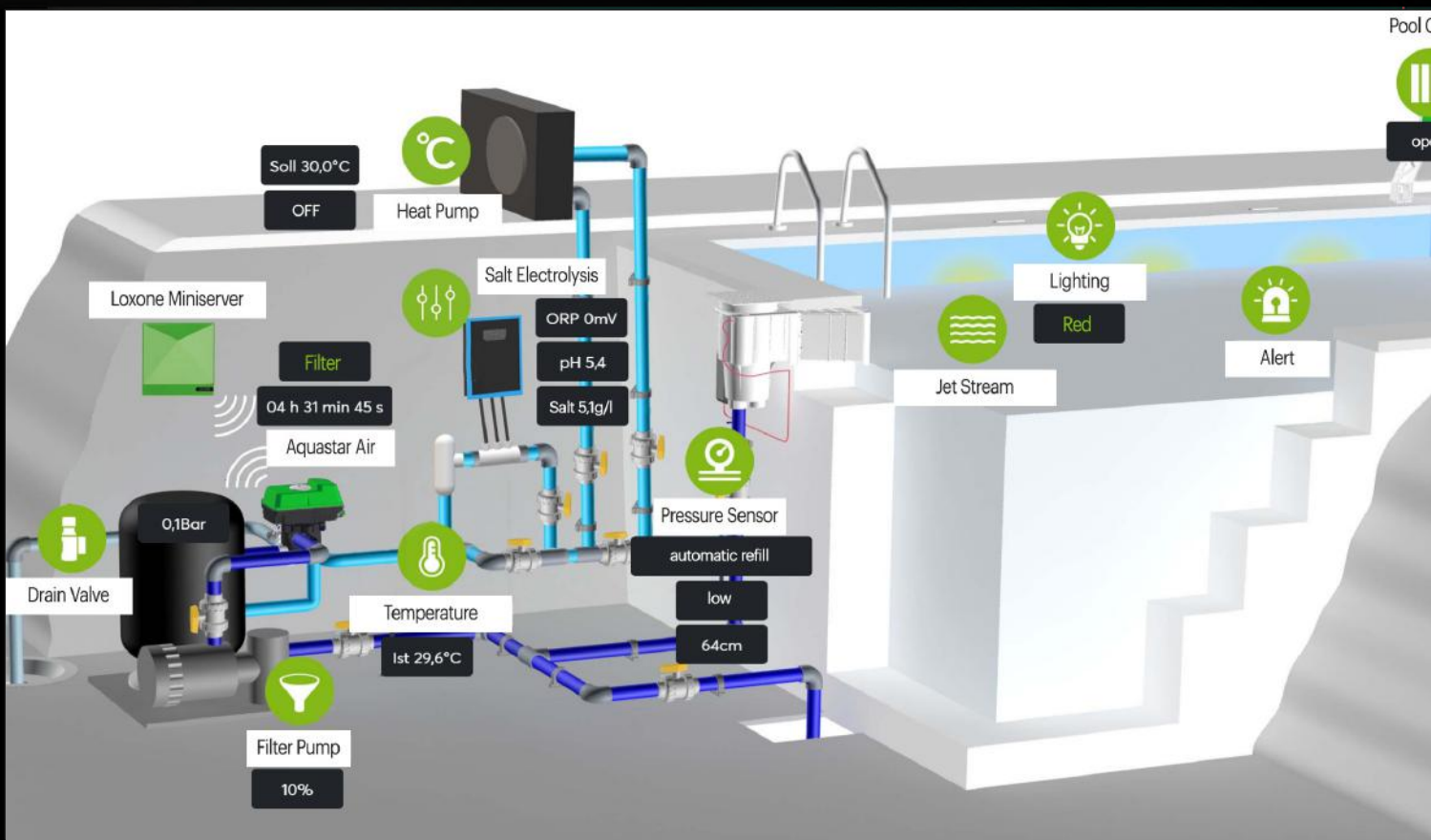
LOXONE® EXTENSIONS

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SMART-UP YOUR POOL

ONE POOL.
ONE SYSTEM.
ONE SMART HOME APP.

The system diagram in the app provides a clear overview of all pool settings and values values such as pH value, redox and salt content. The values can be adjusted directly via the diagram.



CONTROL, MEASURE AND NOTIFY

The pool technology functions can be operated manually or automatically via the app, and the automatic designer can be used to make different functions dependent on each other or generate different modes, making it possible to simultaneously increase the speed of the filter pump and chlorine production and activate a color change in the underwater lighting by clicking on the "Pool party" mode. The pool owner also receives notifications in the event of deviating values and error messages or when functions are activated.

FUNCTIONS

FILTER & PUMP CONTROL

- Control and automation of backwash and filter times with user-friendly weekly schedule in the app
- Sustainable and energy-efficient filtration according to need and situation thanks to the speed-controlled Ocean® Inver iQ 300 filter pump
- Optional integration into Loxone® energy management possible thanks to integrated energy meter (Ocean® Inver iQ300)
- Individual flow rate or speed of the filter pump for different cycles, e.g. slow filtration speed and higher flow rate during backwashing

NIVEAU CONTROL

- Water level control with pressure sensor (overflow pools) or floater (skimmer pools)
- The pressure sensor measures the level with centimetre accuracy
- An automatic niveau control offers dry-running protection, protecting the mechanical seal of the filter pump
- Protection against overflow with the pressure sensor, thanks to automatic triggering of the back wash cycle

WATER TEMPERATURE CONTROL

- Heating, cooling or heating & cooling with the Inver Silence heat pump thanks to inverter technology
- Automatic operation is controlled via a set target temperature
- The automatic regulation of the water temperature with the Inver Silence heat pump is very energy-efficient compared to conventional on/off heat pumps
- Optional integration via Loxone® energy manager -> this means the pool can only be heated when there is excess electricity

WATER TREATMENT

- Automatic dosing and measurement of real-time data on salt content, redox value, free chlorine content and pH value
- Automatic water treatment using Complete dosing systems can save on the use of chemicals. Only the necessary amount is added when required. This helps the pool owner to keep the water quality and the pool clean and hygienic for a long time.
- Recording of the measured values

UNDER WATER LIGHTING

- The VISION Pro RGBW underwater lighting can be integrated via DMX extension, allowing it to be dimmed and also color-controlled
- Innovative technologies such as QuickConnect™, PressFit™ or ClickOn™ enable practical installation and easy installation
- Color scenario change via “touch” or automatically via time control



UNPAIRED CONNECTION

The close cooperation with Loxone® in the development of the Aquastar® Air enables the wireless integration of the pool control into the Loxone® app. Air stands for the wireless connection between Aquastar® Air and Loxone® Miniserver, which enables fully automatic filter and backwash control.

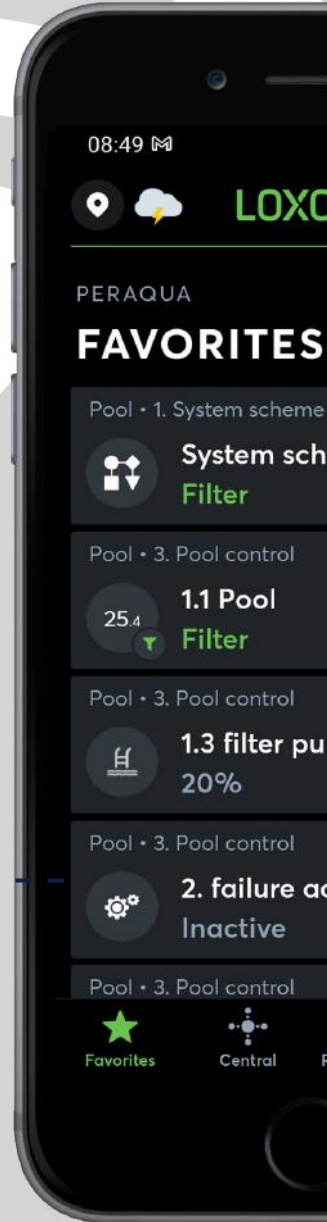


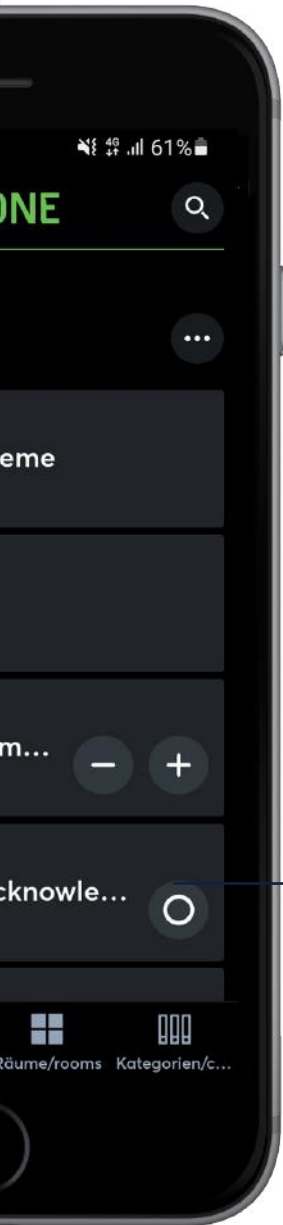
LOXONE®
AQUASTAR® AIR



LOXONE®
MINISERVER GO

LOXONE®
SMART HOME APP





FIRMLY LINKED

Link is the interface in the Loxone® Miniserver for wiring with Loxone® Extensions. This enables the integration of numerous other devices. iQnect requires the interface for the integration of the heat pump, filter pump, underwater lighting, and water treatment.

Various extensions are required to integrate the components into the network. Extensions are the interpreters of the iQnect components. They send and receive program codes and signals and enable flexibility in the automatic pool control functions.

Basically, if a device is compatible for communication with an extension, it can be integrated into the iQnect network. This allows, for example, the integration of pool covers, video surveillance, counter-current systems, outdoor lighting and much more. Our devices are also integrated in the Loxone Library, so integration is as simple as possible.



MODBUS
**HEAT PUMP
FILTER PUMP**



DMX
**UNDER WATER
LIGHTING**



RS 485
**WATER
TREATMENT**

LOXONE LIBRARY



WIRING DIAGRAM



AUTOMATIC FILTER CONTROL AQUASTAR® AIR

The future of pool control starts with the most modern 6-way back wash valve. The heart of the pool area guarantees a regular and automatic pool filtering cleaning for highest hygiene and cleanliness of the pool water.

EXPANDABLE WITH „SAFETY PACK“

No water loss by using the „Safety Pack“ function which offers absolute operational safety in case of power failure.

DIRECT DRAIN

Is possible directly over the valve and not over the filter.

INTELLIGENT FEATURES

Manual override, optical position indication, integration of Praher Plastics® pressure sensor, smooth changing of positions by switching off the pump, and much more.

EASY UPGRADE

Suitable for all common filter brands with Praher V6 valve piping kit in sizes 1½" or 2".

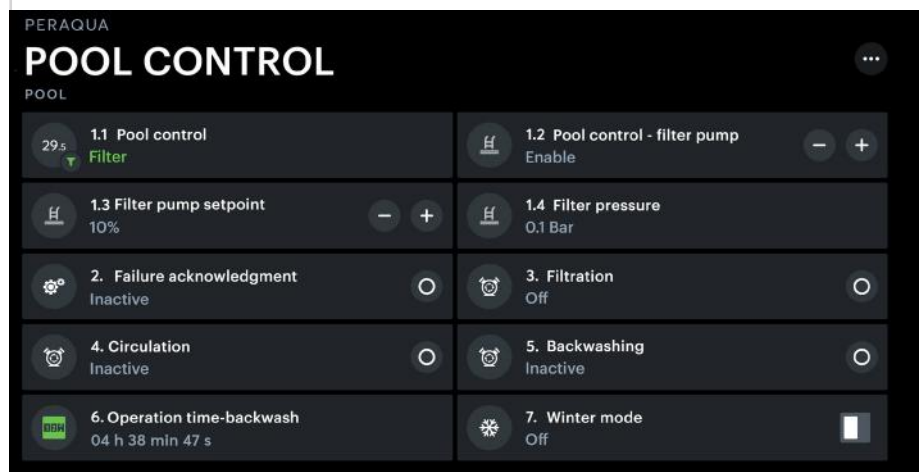


FUNCTIONS

- 1.1 Valve position
- 1.2 Enable filter pump: Switching on and off option
- 1.3 Filter pump setpoint in percent: The speed or flow rate can be changed here
- 1.4 Filter pressure in the filter: an automatic backwash can be triggered here based on the pressure
- 2 If the valve is in the wrong position, this can be acknowledged with "active" using the button
- 3 Manually trigger "Filter"
- 4 Manually trigger "Circulate"
- 5 Manually trigger "Backwash"
- 6 Operating time since last backwash
- 7 Winter mode: the valve disc lifts to relieve the valve seal

6 WAYS - 7 POSITIONS

FILTER
BACKWASH
RINSING
CIRCULATE
DRAIN
CLOSED
WINTER POSITION



FILTER BREGENZ 3 PRO

Side mount filter container made of high-quality glass fiber reinforced plastic. With large opening at the top and drainage under the valve connections. Handmade to ensure maximum chemical and mechanical resistance. Large transparent filter cover (d390 mm). The built-in parts are made of PP, ABS and PVC. All installed screws are made of high-strength, corrosion-resistant INOX (stainless steel), nuts are made of nickel-plated brass.

**LARGE TRANSPARENT
FILTER COVER**

Operating pressure: max. 2 bar
Test pressure: 2.6 bar

DIN EN 16713 COMPLIANT

**INCL. ORIGINAL
PRAHER 6-WAY
VALVE 1½" OR 2"**

**DRAIN DIRECTLY UNDER
THE VALVE CONNECTIONS**



**FILTER
BREGENZ 3
PRO**
**AQUASTAR®
AIR**

Prod.No. 7301357
Ø 500, 1½" 6-way
valve, side mount

Prod.No. 131372A
1½" ABS black
PN3.5, 100-240 VAC

Prod.No. 7301358
Ø 610, 1½" 6-way
Ventil, side mount

Prod.No. 131373A
2" ABS black
PN3.5, 100-240 VAC

Prod.No. 7301359
Ø 610, 2" 6-way
valve, side mount

**FILTER
DRAINAGE**

Prod.No. 7301360
Ø 765, 2" 6-way
valve, side mount

Prod.No. 7301469
Drain Bregenz 3 filter incl.
drain tap with hose connection

Prod.No. 7301361
Ø 920, 2" 6-way
valve, side mount

WIRING DIAGRAM



AUTOMATIC NIVEAU CONTROL

AQUASTAR® AIR

The Aquastar® Air has its own analog input for connection of a floater in skimmer pools and a pressure sensor for overflow pools for automatic control and regulation of the water level.

A magnetic valve can be connected at one of the three free relays on the Aquastar® Air. At too low water level the magnetic valve opens, the required water quantity is refilled.

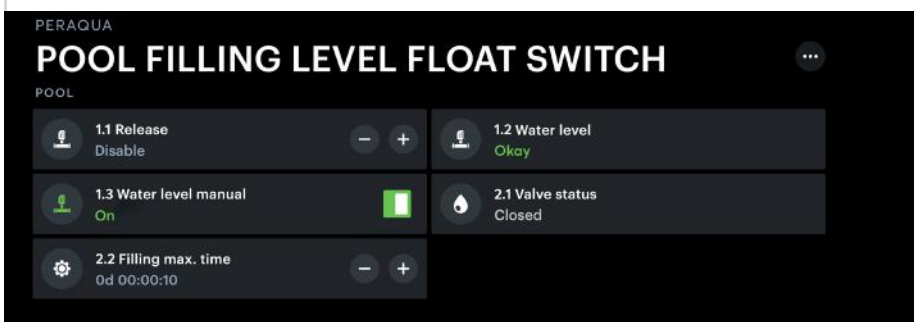


CONNECTION
3 RELAY FOR FREE PROGRAMMING



FUNCTIONS FLOAT SWITCH

- 1.1 Release for automatic filling: With the "automatic filling" function, the level control is activated using the float switch, with "manual operation" the valve opens and water is refilled until deactivation, "blocked" means no filling
- 1.2 Status of water level according to the float switch in the skimmer "OK" or "Low"
- 2.1 Status of the valve: open or closed
- 2.2 Maximum filling time: overfill protection




















FUNCTIONS PRESSURE SENSOR

- 1.1 Release for automatic filling: With the "automatic filling" function, the level control is activated using the pressure sensor, with "manual operation" the valve opens and water is refilled until deactivation, "blocked" means no filling
- 1.2 Measured water level in cm
- 2.1 Status of the water level
- 2.2 Status of the valve: open or closed
- 3.1 Minimum water level: important for the pump's dry-running protection; if the water level falls below this value, the pump is automatically switched off and a push-up notification is sent to the end device
- 3.2 / 4.2 / 5.2 / 6.2 indicate the status of whether the specified values have been reached and carry out the following actions:
 - 4.1 If the value is undershot, the water valve opens for refilling
 - 5.1 If the value is reached, the water valve closes again and refilling stops
 - 6.1 If this value is reached, a backwash is automatically triggered and a push-up notification is sent to the end device at the same time. The backwash cleans the filter and drains the excess water in the basin into the sewer
- 7.1 Activating/deactivating filling with "Backwash" valve position: Valve is open when "On"
- 7.2 Maximum filling time: Overfill protection

PERAQUA

POOL FILLING LEVEL SENSOR

POOL

| | | |
|--|---|--|
|  1.1 Release Fill up automatically | - + |  1.2 Water level 64 cm |
|  2.1 Water level Low | |  2.2 Valve State Closed |
|  3.1 Water level min. pump OFF 20 cm | - + |  3.2 Water level min. pump OFF Inactive |
|  4.1 Water level min. water refill 62 cm | - + |  4.2 Water level min. water refill Inactive |
|  5.1 Water level max. water refill 71 cm | - + |  5.2 Water level max. water refill Kopia Active |
|  6.1 Water level max. water refill 115 cm | - + |  6.2 Water level max. alarm Inactive |
|  7.1 Filling when backwashing On |  |  7.2 Filling max. time 0d 00:01:00 |

PRESSURE SENSOR

Prod.No. 740046
 0 - 10 V,
 0 - 0.3 bar

MAGNETIC VALVE

Prod.No. 7300699
 230V AC, G ½"

FLOAT SWITCH

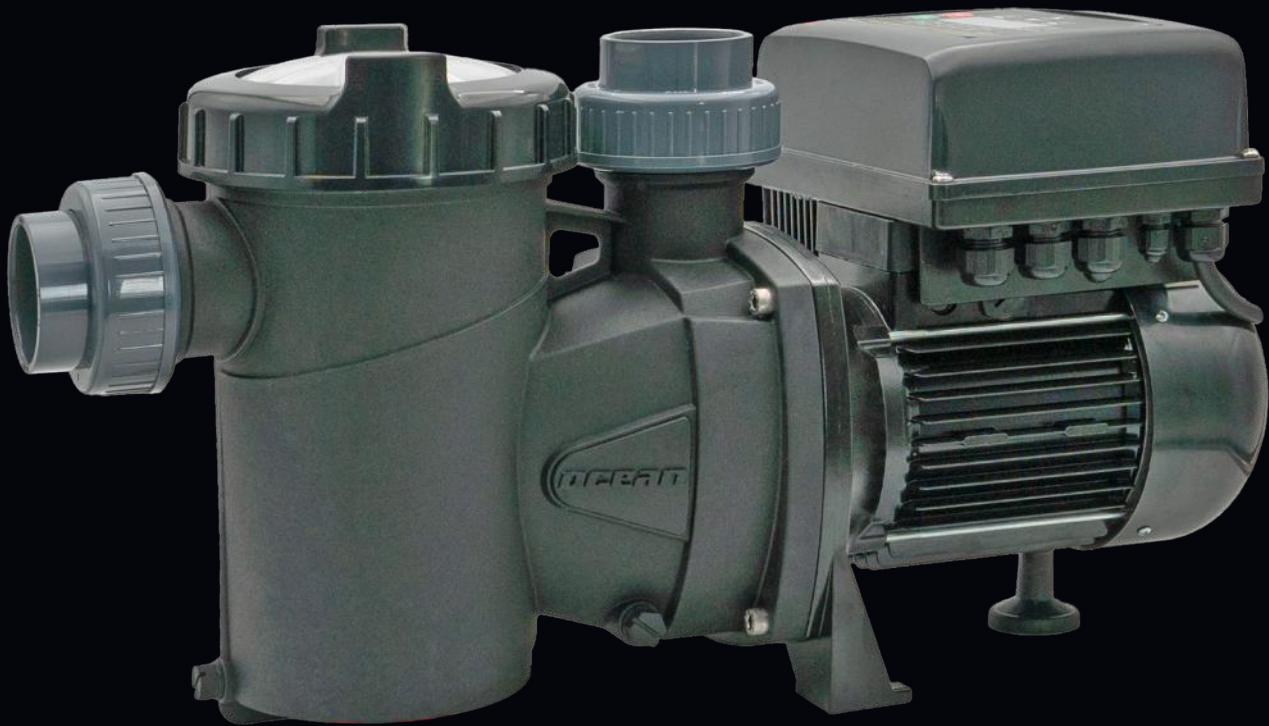
Prod.No. 50631
 24V DC, G ½"

Prod.No. 31150
 with 5 m
 connection hose

Prod.No. 31152
 with 15 m
 connection hose

WIRING DIAGRAM





PLUG-IN READY

IE4 EFFICIENCY CLASS

MODBUS-RTU-CAPABLE



OCEAN® POOL PUMP INVER IQ 300

The Ocean® filter pump Inver IQ 300 is equipped with inverter technology and can be operated at variable speed. The pump can be used for different pool sizes. The new IE4 permanent magnet motor stands for maximum efficiency and significant energy savings of up to 82%.

- Highly efficient IE4 motor, single-phase, the motor is sensorless and brushless and thus reduces the motor temperature, which extends the service life of the bearings and mechanical parts.
- 4 daily filter cleaning programs are individually configurable
- Double connection options internal and external thread 2" (d63)
- Volume flow up to 30 m³/h with 10 m
- Volume flow control
- Large pre-filter (4.6 l) incl. 2-part cover with key for easy opening
- Stainless steel screws + stainless steel shaft
- Housing made of glass fiber reinforced plastic
- Protection class IP55
- 2 drains
- Suitable for salt electrolysis (< 7 gr/l)
- 2 freely programmable relay outputs (5A/230V)
- 2 digital inputs (e.g. forced ON for overflow control, heating control)
- Input for NTC temperature sensor Modbus RTU interface
- Maximum safety: overvoltage and vacuum protection, dry-running protection,
- Protection against input voltage fluctuations
- Error message for dirty pre-filter
- Integrated energy meter

CONTROL

The smart software not only allows different speeds to be set, but also intelligent volume flow control.

A simple set-up wizard ensures that the pump is ready for operation within a few minutes and is optimally matched to the respective pool and filter.



AUTOMATIC

VARIABLE SPEED UP TO 82% ENERGY SAVINGS

FUNCTIONS

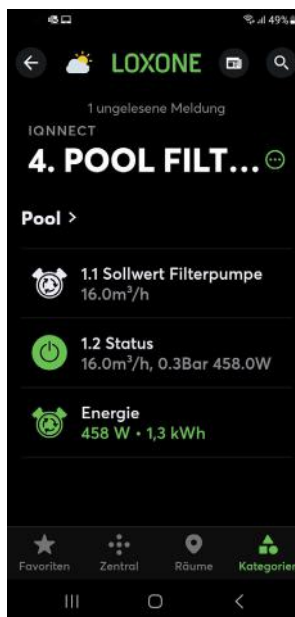
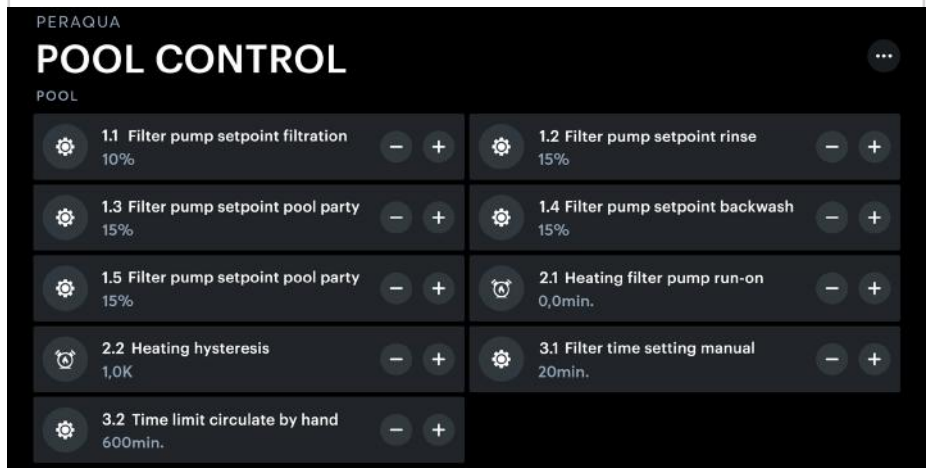


MODBUS
HEAT PUMP
FILTER PUMP

1.1 / 1.2 / 1.3 / 1.4 / 1.5

Set the speed or flow rate of the filter pump for the various valve positions. (Filter, backwash, rinse, pool party, circulate)

- 2.1 In addition, the filter pump overrun can be set. This function is responsible for utilizing the residual heat of the heat pump.
- 2.2 The heating hysteresis is responsible for the deviation from the setpoint temperature. The higher the hysteresis is set, the higher the temperature deviation can be.
- 3.1 Pump runtime with manual filtering.
- 3.2 Pump running time with manual circulation.



OCEAN®
POOL PUMP
INVER IQ 300

Prod.No. 7301537
Ocean® pool pump
Inver IQ 300
speed-controlled,
30 m³/h at 10 m

LOXONE LIBRARY



WIRING DIAGRAM



AUTOMATIC WATER TREATMENT SALT-COMPLETE

In salt electrolysis, the pool water is enriched with suitable industrial salt (NaCl - sodium chloride), such as Peraqua® Smart Sea Salt. Electrolysis is triggered in the cell of the salt system by the flow of electricity, which splits the salt into free chlorine. It is therefore created from a natural product. The resulting free chlorine destroys microorganisms and is therefore a very powerful disinfectant that is an alternative to liquid chlorine.

The sensors already included in the delivery, such as pH, redox, temperature, or salinity sensors, ensure automatic monitoring and control of all water parameters with real-time data."

The salt concentration for optimum disinfection of the pool water is between 4-6 g/l, the pH value should be between 7.0 and 7.4. For initial commissioning, we recommend 5 kg of salt per m³ pool volume and a redox value of 700 mV. The redox value should be increased or decreased depending on the chlorine content in the water.



POOL MANAGEMENT

- Filter times (two time intervals per day)
- Level control: the water level can be monitored with the optional pressure sensor or float switch; the water level can be monitored on up to four levels for overflow basins
- Backwash control (backwash frequency): in combination with the Aquastar® Easy 2 automatic backwash valve (backwash duration)
- Pump control: connection for ON/OFF pump via integrated socket, for speed-controlled pump via 4 potential-free contacts, when changing the valve position (automatic 6-way valve) the pump is switched off, when backwashing the speed is increased for more efficient backwashing
- Heating control: Intelligent control of the set water temperature for electric heaters, heat exchangers, heat pumps (supports temperature-dependent heat pump release)
- Economy mode possible for overflow basins
- RS485 interface for integration into iQnnect

LOW-SALT-CAPABLE

TOUCHSCREEN

PLUG-IN READY

APP-CAPABLE

POOLS UP TO 75 m³

AUTOMATIC WATER TREATMENT

DOS-COMplete UND DOS-NET

iQntrol DOS-COMplete is a high-precision disinfection system with intelligent pool management functions. Thanks to the four dosing pumps, disinfection, pH liquid, algicide and flocculant can be dosed with one device. The touchscreen display shows all water quality information and makes it easy to set up the entire system. With the internet connection, you can monitor the parameters of your pool via a mobile and/or web application.

iQntrol DOS-NET is a compact dosing system for water treatment that directly measures the redox potential of the pool water and thus doses the minimum amount of chemical additives required.

The system monitors the set pH value of the pool water and automatically adjusts the dosing to the changing ambient conditions.

The touchscreen display allows full control over the measurement and regulation of the water values in the pool. With the internet connection, you can monitor the parameters of your pool via a mobile and/or web application.



- POOL MANAGEMENT
- TOUCHSCREEN
- PLUG-IN READY
- APP-CAPABLE
- POOLS UP TO 250 m³



- TOUCHSCREEN
- PLUG-IN READY
- APP-CAPABLE
- POOLS UP TO 250 m³

iQntrol SALT-COMplete

Prod.No. 7301688
SALT-Complete, 25 g Cl/h

ACCESSORIES

Prod.No. 7301747
Transparent vaccination line 4x ¼", d50/63

iQntrol DOS-COMplete DOS-NET

Prod.No. 7301686
chlorine dosing system DOS-Complete REDOX

Prod.No. 7301696
Storage liquid for pH and REDOX probes, 20 ml

Prod.No. 7300776
Buffer liquid pH 7, 90 ml

Art.Nr. 7301685
chlorine dosing system DOS-Complete CLF

Prod.No. 740046
Pressure sensor

Prod.No. 7301687
iQntrol dosing system DOS-NET

Prod.No. 7301734
Float Switch

WIRING DIAGRAM



AUTOMATIC TEMPERATURE CONTROL INVER SILENCE

The Inver Silence heat pump works with variable speed and adjusts the output according to the ambient conditions. The temperature of the pool water is automatically adjusted to the set target value thanks to the heating, cooling or automatic mode. The full inverter technology prevents high temperature fluctuations, saves energy and is noticeably quieter in operation, while the Smart heat pump also offers a soft start. This means that the power consumption increases slowly at the start.

- The Inver Silence heat pump is Modbus RTU-capable and can be perfectly integrated into the iQnnect system.
- The heat pump is connected to the mains supply. It is important that the heat pump is supplied via its own fuse.
- When using a heat pump, we recommend a pool cover.
- The heat pump is dimensioned according to the size of the pool. However, a larger or more powerful model can usually be operated at a lower speed. This means greater energy savings and a quieter noise level. Due to the higher output, a larger model also extends the swimming season.
- The heat pump is connected to the Modbus extension via a special connection cable (Modbus connection cable, 4-pin plug).



| Prod.No. | 7301031 | 7301032 | 7301033 | 7301034 | 7301035 | 7301037 | 7301038 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Recommended pool size (m³) | 20-40 | 25-50 | 30-60 | 40-75 | 55-100 | 65-120 | 90-160 |
| Operation temperature (°C) | -15 - 43* | | | | | | |
| Operation conditions: Air 26°C, Water 26°C, Humidity 80% | | | | | | | |
| Heat capacity (kW) Smart Modus | 8.5 | 11 | 13.8 | 17.5 | 21.5 | 27 | 35 |
| Heat capacity (kW) Turbo Modus | 10.2 | 13.2 | 16.8 | 21 | 25.5 | 31.5 | 40 |
| C.O.P in Smart Modus | 7.8 | 8.2 | 7.5 | 7.3 | 7.8 | 7.4 | 7.3 |
| C.O.P | 15.1 - 7.1 | 15.0 - 7.3 | 15.5 - 6.4 | 15.0 - 6.3 | 16.0 - 6.8 | 15.8 - 6.3 | 15.8 - 6.4 |
| COP at 50% capacity | 11.4 | 11.6 | 11.2 | 11.2 | 11.3 | 11.2 | 11.1 |
| Operation conditions: Air 15°C, Water 26°C, Humidity 70% | | | | | | | |
| Heat capacity (kW) Smart Modus | 6.3 | 7.3 | 9.4 | 11.8 | 14.8 | 18 | 24 |
| Heat capacity (kW) Turbo Modus | 7.5 | 8.8 | 11.3 | 14.3 | 17.5 | 21.5 | 28 |
| C.O.P in Smart Modus | 5.2 | 5.3 | 5 | 5 | 5.4 | 5.3 | 5.1 |
| C.O.P | 6.9 - 4.8 | 6.8 - 4.9 | 7.3 - 4.4 | 7.8 - 4.6 | 7.8 - 4.9 | 7.8 - 4.9 | 7.9 - 4.7 |
| COP at 50% capacity | 6.5 | 6.5 | 6.6 | 6.8 | 6.8 | 6.8 | 6.7 |
| Operation conditions: Air 35°C, Water 28°C, Humidity 80% | | | | | | | |
| Cooling capacity (kW) | 4.4 | 5.6 | 6.5 | 8.0 | 11.6 | 13.6 | 16.0 |
| Data | | | | | | | |
| Sound level 1 m dB (A) | 38.5 - 45.5 | 38.6 - 46.9 | 42.0 - 47.7 | 42.9 - 50.8 | 40.8 - 51.2 | 43.3 - 51.9 | 42.5 - 51.7 |
| Sound level 10 m dB (A) | 18.5 - 25.5 | 18.6 - 26.9 | 22.0 - 27.7 | 22.9 - 30.8 | 20.8 - 31.2 | 23.3 - 31.9 | 22.5 - 31.7 |
| Sound level at 50 % speed 1 m dB (A) | 39.5 | 41.3 | 43.7 | 44.5 | 44.4 | 46.4 | 43.8 |
| Heat Exchanger | Titan | Titan | Titan | Titan | Titan | Titan | Titan |
| Phases | 1 | 1 | 1 | 1 | 1 | 3 | 3 |
| Power Supply 50 Hz (V) | 230 | 230 | 230 | 230 | 230 | 400 | 400 |
| Rated input power at 15 °C (kW) | 0.18 - 1.53 | 0.22 - 1.8 | 0.26 - 2.56 | 0.31 - 3.08 | 0.38 - 3.53 | 0.46 - 4.4 | 0.60 - 5.94 |
| Rated current 15 °C (A) | 0.78 - 6.65 | 0.96 - 7.82 | 1.14 - 11.3 | 1.35 - 13.4 | 1.65 - 15.3 | 0.66 - 6.35 | 0.87 - 8.57 |
| Recommended flow (m³/h) | 2 - 4 | 3 - 4 | 4 - 6 | 6.5 - 8.5 | 8 - 10 | 10 - 12 | 12 - 18 |
| Pipe specification in-out (mm) | 50 | 50 | 50 | 50 | 50 | 50 | 50 |



VARIABLE SPEED
inverter technology

TOUCH-CONTROL
with WLAN connection

MODBUS RTU CAPABLE
for smart home integration

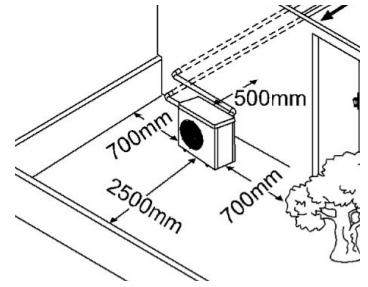
METAL HOUSING
powder-coated

*The specified values apply under ideal conditions: Pool is covered with an isothermal cover, filter system runs at least 15 hours a day, minor deviations in the technical specifications are possible depending on the system and subject to technical changes.

Efficient and optimum operation only recommended above freezing point (0 °C).



**IMPORTANT
KEEP DISTANCES**



FUNCTIONS

- 1.1 On/Off of the heat pump
- 1.2 Release time: the heat pump may be in operation at this stored time, e.g. blocking the heat pump at night.
- 1.3 Setting: Heating, cooling or heating & cooling
- 1.4 Setting the power levels: the reason for this is that the heat pump is quieter at a low power level.
- 2.1 Pool target temperature
- 2.2 Actual pool temperature
- 3.1 Power level of the compressor
- 3.2 Status of the heat pump: On, Off or error message



**CONNECTION
LOXONE®
MODBUS
EXTENSION**

PERAQUA

POOL HEAT PUMP

POOL

| | | |
|--|--------------------------|---|
| 1.1 Release On | | 1.2 Release time Enabled |
| 1.3 Operation mode Automatic heating | - + | 1.4 Mode Normal |
| 2.1. Pool control set temperature Set 30,0°C | - + | 2.2. Pool actual temperature Set 29,5°C |
| 3.1 Compressor capacity 0% | 3.2 Status Off | |
| Water outlet temperature 30°C | | |

**FULL
INVER
SILENCE**

Prod.No. 7301031
10.2 kW,
pool size up to 40 m³

Prod.No. 7301032
13.2 kW,
pool size up to 50 m³

Prod.No. 7301033
16.8 kW,
pool size up to 60 m³

Prod.No. 7301034
21 kW,
pool size up to 75 m³

Prod.No. 7301035
25.5 kW,
pool size up to 100 m³

Prod.No. 7301037
31.5 kW,
pool size up to 120 m³

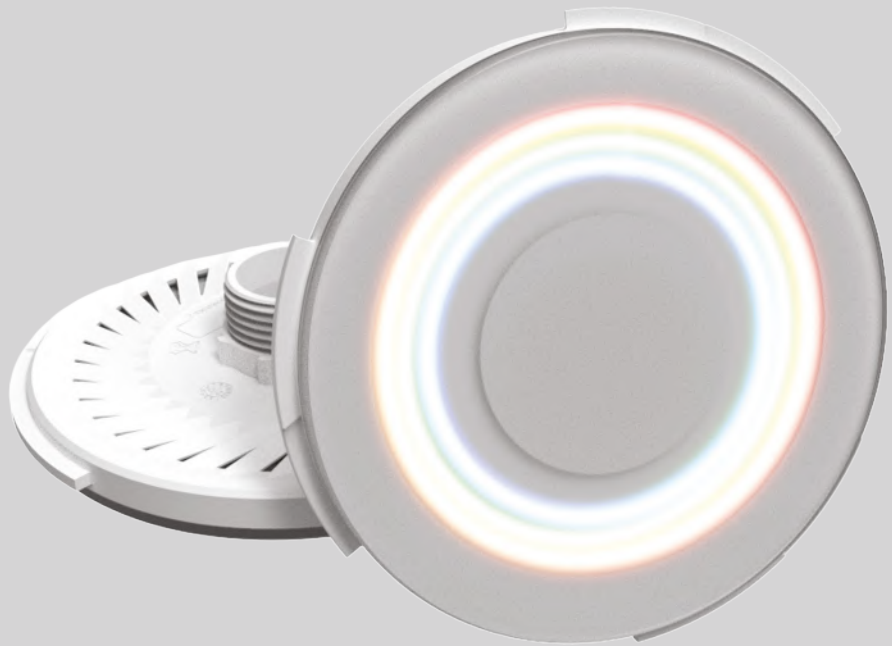
Prod.No. 7301038
40 kW,
pool size up to 160 m³

WIRING DIAGRAM



AUTOMATIC POOL LIGHTING

VISION PRO



RGBW SPECTRUM DIMMABLE

The VISION Pro LED lighting solutions are designed for easy handling and economical use. An easy-to-install plug with gold-plated contacts enables uncomplicated connection.

With PressFit™, the underwater lights offer a mounting system that allows them to be fitted seamlessly to the wall, even if the surface of the pool wall is not 100% flat.

Depending on the pool size and requirements, the Vision lights are available in 5, 10 or 17 cm diameters and can be installed in 1 1/2" IG wall ducts.

Thanks to the option of retrofitting the pool with the Vision and the innovative concept for effortlessly replacing panels, the Vision underwater spotlights can be installed in any pool.

The spotlights are connected to the DMX-capable Vision Pro remote control according to the connection diagram.



INTEGRATION
LOXONE®
DMX
EXTENSION

FUNCTIONS

- The Vision Pro underwater spotlights include all colors of the RGBW spectrum
- Colors adjustable with an RGB color rose, dimmable with % control
- A color change can also be set

VISION PRO UNDER WATER LIGHTING

Prod.No. 7301366
Ø 5 cm, RGBW,
1200 lm, 33W

Prod.No. 7400388
Ø 10 cm, RGBW,
3500 lm, 85W

Prod.No. 7301674
Ø 17 cm, RGBW,
7000 lm, 180W

Prod.No. 7400294
Remote control for VISION Pro,
Spectra, Adagio Pro or Moonlight

WIRING DIAGRAM



Matching covers in V4A or plastic available in different colors for all sizes.

NEW

iQnnect SOFTWARE COMPLETE PACKAGES

The iQnnect complete software packages consist of a Loxone® Config file for the Loxone® Miniserver. All the essential functions of a pool are pre-programmed in the config file. This makes the installation of the pool system particularly efficient and simple.

The Loxone® Aquastar® Air serves as the basis, as it establishes the connection to the individual pool components with its inputs and outputs. On this basis, automatic backwashing, filter pump control and level control are possible. The integration of the water treatment system is also already prepared.

Tip: For efficient integration, we recommend setting up a separate miniserver for the pool area. If a miniserver is already installed in the home automation system, we recommend a gateway client variant.

PRODUCT DETAILS

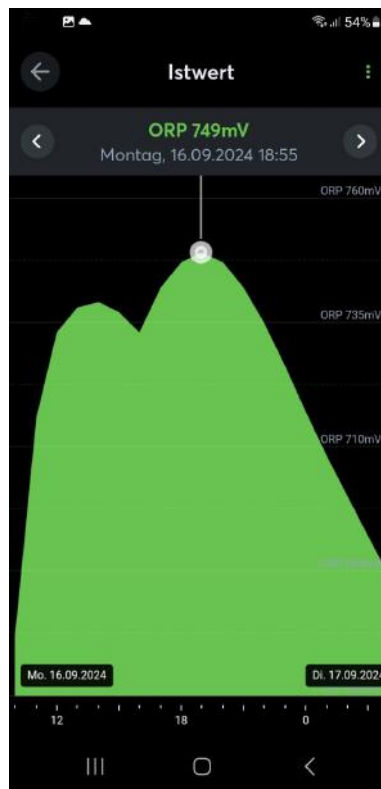
- For salt electrolysis systems or chlorine dosing
- Versions for skimmer or overflow pool
- Simple and time-saving installation for Loxone® partners
- Tried and tested software
- Supplied on USB stick



POOL AUTOMATION AND iQnnect

Detailed information on the subject of Pool automation with iQnnect can be found at: www.iqnnect.net.

We show you which components make up an iQnnect pool and how you can control it conveniently and automatically via your smart home system.



iQnnect SOFTWARE- COMPLETE PACKAGES

Prod.No. 7301785
for skimmer pools with iQntrol dosing system DOS-COMPLETE/DOS-NET

Prod.No. 7301449
for skimmer pools with iQntrol dosing system DOS-MODBUS

Prod.No. 7301786
for skimmer pools with iQntrol salt electrolysis system SALT-COMPLETE

Prod.No. 7301450
for skimmer pools with iQntrol salt electrolysis system SALT-MODBUS

Prod.No. 7301787
for overflow pools with iQntrol dosing system DOS-COMPLETE/DOS-NET

Prod.No. 7301451
for overflow pools with iQntrol dosing system DOS-MODBUS

Prod.No. 7301788
for overflow pools with iQntrol salt electrolysis system SALT-COMPLETE

Prod.No. 7301452
for overflow pools with iQntrol salt electrolysis system SALT-MODBUS

FLOW CONTROL

PVC fittings from Praher Plastics® promise an above-average service life, the best UV resistance and optimum pressure and flow properties. The wide range of connection types, connection sizes and seals allow a diverse selection of pool piping systems.



MANUAL BALL VALVE

S6

The modular, manual S6 ball valve boasts 100% tested quality for system safety. The S6 2-way ball valve is available in all standard connection variants and with a PTFE or PE ball seat ring. Praher Plastics® ball valves have the best flow characteristics.



AUTOMATIC BALL VALVE

S6

The Praher Plastics® ball valve EO510 is automatically controlled by the Aquastar® Air. In the iQnect system there is a ball valve S6 installed onto the sewer pipe and is automatically opened for backwash, rinse and drain process. This avoids water loss during position change of the backwash valve or in position "winter".

The automatic ball valve S6 is available in different sizes (standard d50 and d63) and in model 12-24 V AC/DC and 230V AC.

HOW TO INSTALL iQnect POOL GOOD TO KNOW

POOL SIZE & POOL TECHNOLOGY

The pool technology from iQnect is designed for private pools from 5 x 3 x 1.5 m to 15 x 6 x 1.5 m. Depending on the pool size, different models of the listed products can be installed. Depending on customer requirements, it is also possible to integrate other products. However, we only provide documentation for the products listed and offer full warranty protection in accordance with our general terms and conditions.

WIRING DIAGRAM

Peraqua® has a clear connection plan for the respective components. The QR codes in this guide link to the electrical plans.

SOFTWARE

Peraqua® offers ready-made software packages with all of the functions mentioned for variants of salt or chlorine systems as well as level control with float switches or pressure switches. These are available in the webshop.

UPGRADE

An existing pool can also be retrofitted with iQnect. Please note that the Aquastar® Air with the appropriate Praher Plastics® backwash valve must first be installed in the system. This enables automatic filtration. Depending on customer requirements, other iQnect-enabled components from Peraqua® (e.g. swimming pool pump, salt electrolysis system, heat pump, underwater lighting, etc.) can be installed and integrated into the Loxone® app.

EXPERTS FOR YOUR PROJECT

For an iQnect project, we recommend close cooperation between a specialist pool dealer and a Loxone® partner. We would be happy to put you in touch with a partner in your area.



REQUESTS

In order to be able to make you a project-related offer for the correctly selected iQnect components in connection with the pool size, please call us or write to us.

PHONE: +43 7435 58 488-0
E-MAIL: info@peraqua.com

PERAQUA®



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