PERAQUA®

pooled family pleasure

AQUASTAR

Smart, smarter, the smartest
Fully automated pool control at highest level

PRAHER PLASTICS

LOXONE AQUASTAR® AIR

The future of pool control starts with the most modern 6-way backwash valve available –the Loxone Aquastar® Air.

Combined with the Loxone Miniserver, it provides a fully automated and intelligent pool management and monitoring system.
If desired, your pool can also be seamlessly integrated into the Loxone Smart Home, allowing control of lighting, heating, music, and more.

THAT'S HOW IT WORKS:

1 ASSEMBLY
The Loxone Aquastar® can be fitted to all common brands of filter, even if a filter has already been installed. Once provided with power, the Loxone Aquastar® is ready to go and can be connected to the Loxone Miniserve.

2 SETUP
Setup and configure using the free Loxone configuration software. The Aquastar® is displayed and inserted in the search window.

3 CONFIGURE
The preconfigured software component "Pool" allows for quick and simple configuration of pump operation times, threshold values, filter programmes, temperature monitoring and more.

4 VISUALISE
The preconfigured software component "Pool" also comes with visualisations that you can use to monitor and manage your pool remotely. Free apps for this purpose are provided for iPhone, Android and web browsers.

Where there's a will, there's a way

Finding ways has made us Austria's leading producer of pool equipment with a sound foundation of more than 45 years of experience in swimming pool and water treatment technology.

We are committed to providing products made of high-quality materials with components that work together perfectly, promising easy handling and maximum durability. For us, reliability starts with product development and ends with families enjoying more fun and leisure time together around their pool thanks to perfectly coordinated technology and first class quality.

PERAQUA: *Your partner for smart pool automation and accessories.*

LOXONE AQUASTAR® AIR

- For dimensions 1½" and 2"
- Multigrade operating voltage
  (100-240 VAC 50-60Hz/150-300VDC or 24V AC/DC)
- A stand-alone lift and rotating drive for Loxone controls with increased functionality
- Retrofit for all well-known filter brands possible with the 1½'' and 2'' Praher side mount or top mount valve, incl. Praher ABS piping and union systems for a quick and easy installation
- Installation of Aquastar SafetyPack possible (available separately)
- Free visualisation with Loxone Miniserver via iPhone, iPad and Android
- Free updates via Loxone Miniserver

Backwash valve Loxone AQUASTAR® Air

WLAN CONNECTION	SMART PHONE APPLICATION	LOXONE MINI SERVER

Loxone AQUASTAR® Air starter package

Visualisation on smart phone/tablet: filter time, back wash timer, setpoint water temperature, under water lighting ON/OFF, service applications,...*

+ WLAN ROUTER	+ PRESSURE SENSOR/ DRY-RUNNING PROTECTION	+ TEMPERATURE SENSOR

Loxone AQUASTAR® Air starter package PLUS

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

+ LOXONE MODBUS*	+ LOXONE DMX*	+ PLATINE MODBUS*

* You can find further information at www. peraqua.com or www.loxone.com/aquastar

FEATURES & BENEFITS

FULLY AUTOMATED CONTROL
The Aquastar 6-way backwash valve allows filtration, backflush, circulation, emptying, frost protection or closing to be automated.

CUSTOMISED NOTIFICATIONS
Be informed by email or phone about problems or maintenance intervals.

DIRECT FILTER PUMP CONTROL
acilitating management of filtration schedules.

PRECONFIGURED SOFTWARE COMPONENTS
Provides quick and easy configuration using the Loxone Miniserver including visualisation, local operation and remote control.

TEMPERATURE CONTROL
Monitor and control the pool temperature with included interface options.

EXPANDABLE
With the Miniserver, jet systems, lighting and more can be controlled.

APP
Remotely control and monitor your pool using the free app for iPhone, iPad and Android. Set temperature, filtration schedules, water level and more.

3 MULTI PURPOSE RELAYS
For control of Peraqua Smart heat pump, lighting, jet system, pool cover and more.

EASILY RETROFITTED
Easily installed in existing pools.

LOXONE AIR TECHNOLOGY
No extra wires needed thanks to the wireless connection to the Loxone Miniserver or Loxone Miniserver Go.

2 MULTI PURPOSE ANALOGUE INPUTS
For connection of water level and other sensors.

FUTURE-PROOF
Free software updates ensure you will always be up to date.

AQUACOACH & AQUACOACH PRO SERIES

The new AQUACOACH pool control series made by Praher Austria offers more possibilities and is easy to handle. An extra ordinary useful innovation for swimming pool project of any dimension.

The new pool control AQUACOACH integrates many options for the fully automatic control of the most common pool functions. A multi-lingual navigation in German, English, French, Spanish and Russian and the use of clear icons guarantees an easy and comfortable navigation and programming.

In combination with the safest and world wide known Praher back wash valve AQUASTAR comfort SafetyPack there comes a fully automatic state-of-the-art pool control.

PRAHER PLASTICS

AUSTRIA — SURPRISINGLY INGENIOUS

NEW

WEB COMPATIBLE

AQUACO

+

10
ADVANTAGES OF AQUACOACH

Easy, retrofit installation in existing pool constructions.

Control of different sensors for solar and heat control.

In case of a black-out the back wash valve AQUASTAR turns to position „filter".*

Automatic setting of summer and winter time.

2 digital- and 2 analog inputs user configurable.

2 potential free outlets and alarm relais user configurable.

Memory function for pool service.

Operation hour numerator for pool control.

USB connection to PC.

Activation of devices via bus.

*Only in combination with option SafetyPack.

AQUACOACH & AQUACOACH PRO

- For swimming pool project of any dimension
- Fully automatic control of the most common pool functions
- Multi-lingual navigation (German, English, French, Spanish and Russian)
- Combinable with Praher backwash valve Aquastar® comfort SafetyPack
- Depending on the project the AQUACOACH pro series can be extended with additional retrofit option prints (against surcharge)

	AQUACOACH	AQUACOACH PRO
Solar control	•*	•
Control of various temperature sensors	•	•
Heating and cooling	•	•
Heat control	•*	•
Control of various temperature sensors	•	•
Heating and cooling	•	•
Niveau control	•	•
One sensor	•	•
Dry running protection	-	•
5 sensors	-	•
Option SafetyPack	from 2016	from 2016
Real-time clock	•	•
With date function	•	•
Automatic setting summer, winter time	•	•
Back wash systems	•	•
Back wash systems 6-way	AS Comfort 1001	AS Comfort 1001, MP6
Bar valve	-	•
Butterfly valves	-	•
via Bus	•	•
Activation ball valve to drain/waste	•	•
Activation dosing system	•	•
Gaging of Ph and Redox	-	from 2016
Pump control	•	•
Single phase or three phase	•	•
Current measurement	•	•
Time control user configurable	•	•
Error detection in case of excess current	•	•
Pressure sensor	+	+
User configurable digital inputs	2	8
User configurable analog inputs	2	4
User configurable potential free outlets	2	up to 7 with extension 11
User configurable alarm relais	•	•
Memory function for pool service	•	•
Control operation hour numerator	•	•
USB	•	•
Connection to PC	•	•
Software update	•	•
Readout of status message	•	•
Readout of error memory and operation hours	•	•
Customized software	+	+
Plug and Play with options	-	•
Retrofit options	-	•
Actuation of devices via bus Bus	RS485	RS485
Display	graphic	graphic
Menu languages	DE, EN, FR, SP, RU	DE, EN, FR, SP, RU
Icon menue	•	•

• included in the standard model   + optional configurable(possible)
2 2 pcs included in the standard model   * solar or heat control
- not possible

NIVEAU & TEMPERATURE CONTROL

Niveau control NC01

- Ready to plug in
- Time relay switch (2–135 sec)
- Incl. PVC solenoid floater
- Easy installation in Ocean® skimmer M5 and PT

Niveau control

- Time relay switch (4–90 sec)
- Easy installation in Ocean® skimmer M5 and PT
- combinable with 2-way evolution solenoid valves (d16 3/8" – d110 4", 12 – 230 V AC/DC)

Loxone pressure sensor

- For water level control in compensation tank
- Dry-running protection (wired)

Filter pump control CS100

- Electricity supply: 230V AC 50 – 60 Hz
- Pump relay: 230V AC 50 – 60 Hz 1840 W
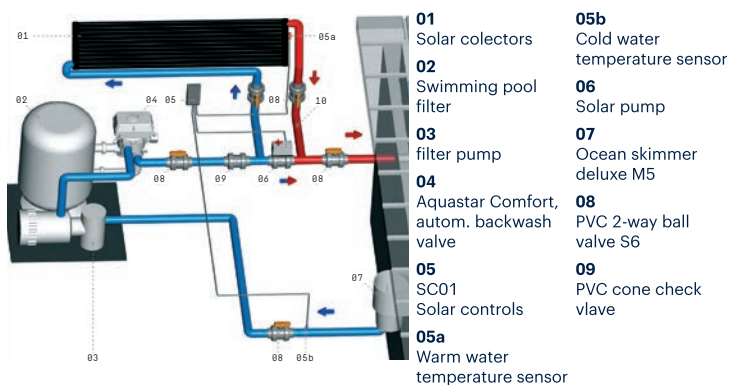- Protection code: IP 54
- Incl. 3 m cable
- User friendly

SOLAR CONTROL
SOLARCONTROL EASY

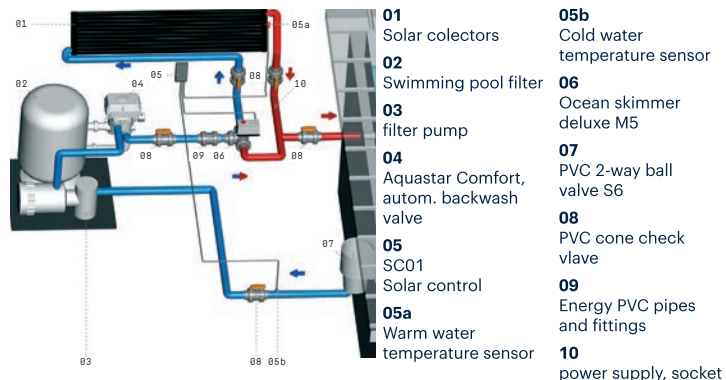### Solar control SOLARCONTROL easy, with 2-way ball valve or 3-way ball valve

- Voltage 230V~(AC)
- Frequency 50–60 HZ
- Max. consumption ca. 4 Watt
- Relays: 1 relay exit, potential free (closing contact) max. 4 A
- Exit (changeover contact) max. 1800 Watt
- Protection code IP 65
- Ambient temperature: max. 0°–50 °C
- Control range 20–36 °C
- Difference Δ T 4°C
- Hysteresis 1.5°C under switching point

INSTALLATION SCHEME
2-WAY BALL VALVE

01
Solar colectors

02
Swimming pool filter

03
filter pump

04
Aquastar Comfort, autom. backwash valve

05
SC01 Solar controls

05a
Warm water temperature sensor

05b
Cold water temperature sensor

06
Solar pump

07
Ocean skimmer deluxe M5

08
PVC 2-way ball valve S6

09
PVC cone check vlave

INSTALLATION SCHEME
3-WAY BALL VALVE

01
Solar colectors

02
Swimming pool filter

03
filter pump

04
Aquastar Comfort, autom. backwash valve

05
SC01 Solar control

05a
Warm water temperature sensor

05b
Cold water temperature sensor

06
Ocean skimmer deluxe M5

07
PVC 2-way ball valve S6

08
PVC cone check vlave

09
Energy PVC pipes and fittings

10
power supply, socket

SC01, SC02, SC04

Solar control SC01, with 2-way ball valve or 3-way ball valve

- Ready to plug in
- Pool water temperature can be set manually from +20° C to +40° C
- Cold water sensor with 3 m cable
- Warm water sensor with 10 m cable
- Original Praher® 2-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

PLUG-IN

Solar control SC02

- Ready to plug in (DIN Norm)
- Pool water temperature can be set manually from +5° C to +60° C
- Integrated solar pump connection 230 V
- Digital display
- Cooling function
- Cold water sensor with 3 m cable
- Warm water sensor with 10 m cable
- Easy switch from "Celsius" to "Fahrenheit"

PLUG-IN

Solar control SC04, with 2-way ball valve or 3-way ball valve

- Economical and efficient 2- and 3-way PVC valve with integrated solar control
- Easy installation on the Ocean® V6 backwash valve
- Pool water temperature can be set manually from +20° C to +40° C
- Cold water sensor with 3 m cable
- Warm water sensor with 10 m cable
- 2- or 3-wayPraher PVC ball valve DN40/d50 or DN50/d63 with EO510 230V with integrated balance hole i the ball (3 way)
- Manual override
- IP54 protection code
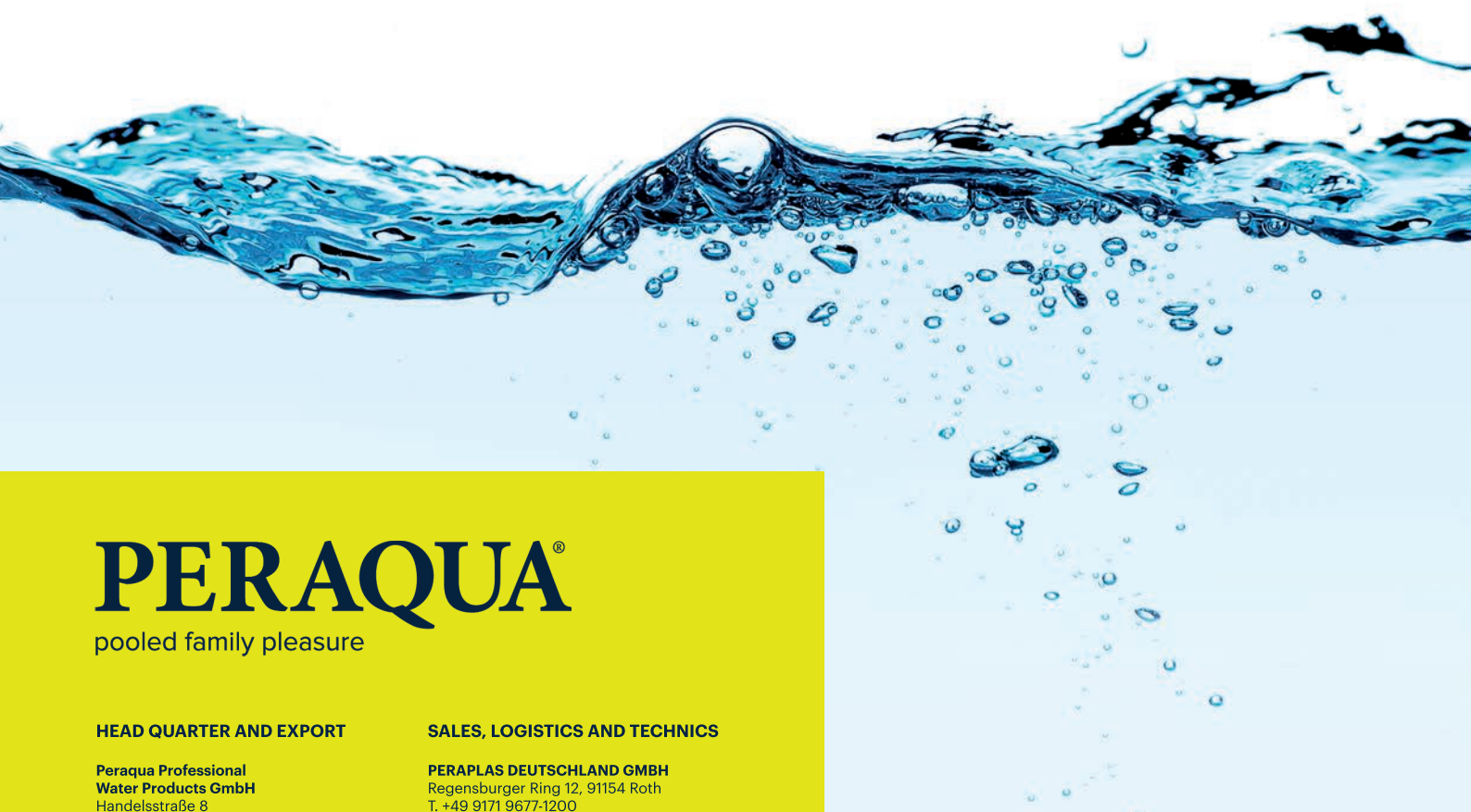- CE standard
- Optical position indication

3-way ball valve S4 SOLAR EO510 eco/ind

- Short manipulation time (12 sec)
- Optical position indication
- Manual override
- Compact construction
- Chlorine and sea water resistant (corrosion-free)
- IP 54 (EO510) protection code
- Electr. position feedback
- CE standard

**INTEGRATED PRESSURE BALANCE SYSTEM (by-pass system)
by a drillhole in the T-ball and pressure ring for optimized pool solar operation.**

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HEAD QUARTER AND EXPORT

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