

PRAHER PLASTICS AUTOMATIC BACKWASH VALVES



ON THE
SAFE SIDE
AT ANY TIME



[®]AQUASTAR

AIR | CONTROL

EASY II | MP PLC

SAFETY IS A MATTER OF COURSE FOR US

The Aquastar® series represents a revolution in the global, automatic 7-position backwash valve industry.

Praher has been working for more than 50 years on the development & production of reliable, automatic 7-position backwash valves and is also known as „technological market leader“ in the industry.

An extensive Aquastar® range that leaves nothing to be desired by the user and is used in the upscale private and hotel pool industry, as well as in the area of natural pools and aquaristics..

Compared to other backwash methods (eg piston valves, butterfly valves,...) the Aquastar® series provides following technical and economical advantages:

EXPANDABLE WITH „SAFETY PACK“

no water loss „Safety Pack“ function, which is absolutely reliable at e.g. electr. power failures.

DIRECT DRAIN

just through the valve and not, as in other backwash methods over the filter, and smooth changeover of positions due to pump shut-off.

SMART FEATURES

included control (time + pressure + filter pump control), manual override, optical position indicator, and much more.

EASY UPGRADE

suitable for all common filter brands with Praher® V6 valve piping kit for retrofitting.

CONTROL FUNCTIONS

The possibility of connecting other pool technology components to the Aquastar® drive opens up practical control functions.

**DESIGNED
ENGINEERED &
MADE IN AUSTRIA**

AQUASTAR® SERIES

Functions overview



	plc	easy II	control	air
Time switch		+		+ *
Pressure Switch		+	+	+
Digital timer			+	+ *
Filter pump clock			+	+ *
Heating Control			+	+ *
Solar Control			+	+ *
Niveau Control			+	+ *
1½", 2"	+	+	+	+
3"	+		+	
Manual override	+	+	+	+
IP65	+	+	+	+
Actuator 24 V AC/DC, 100-240 V AC (50-60 Hz)	24 – 230 V AC	230 V AV	24 – 230 V AC	230 V AV
Waste, filter, backwash, rinse	+	+	+	+
Circulate	+	+	+	+
Closed / Winter position	+		+	+
13/14 Opener/Closer Pump connection	+	+	+	+
Potential-free connection for ball valve EO510		+	+	+

* when using the Loxone® Smart Home app

**CLEAR VISUALIZATION
OF ALL PARAMETERS ON
THE DISPLAY**

**PRESSURE AND/
OR FILTER PUMP
CONTROL**

**MANUAL OVER-
RIDE FOR ALL
DIMENSIONS**

**EMPTYING THROUGH
THE VALVE**



AQUASTAR® MP6 PLC

Backwash Valve AQUASTAR® mp6 plc

- For dimensions 1½", 2" and 3"
- Multigrade operating voltage (100-240 VAC 50-60Hz/150-300VDC or 24V AC/DC)
- Micro processor controlled lift-rotary drive for SPS controls, where positions driven by the DC signals of the SPS
- Direct Error-Handling integrated
- Early error identification for maintenance
- Relays with gold contact for response



AQUASTAR® EASY II

- External control
Rinse and circulation mode release through connection to an external switch, SPS or home control
- Reading out possible errors through multifunction relay. Doing so a control can spot every position.
- Easy adaptation to all common filter brands with a 1½" or 2" Praher Side Mount or Top Mount valve ABS 3,5 bar.
- Pump monitoring
Easy II manages the backwash also when e.g. the pump is switched OFF or just switched off during the backwash cycle, so the backwashing is always guaranteed.



Backwash Valve AQUASTAR® easy II



TIME SWITCH



PRESSURE SWITCH



FROM MANUAL TO MODERN FULLY AUTOMATIC PRAHER AQUASTAR® SERIES

The easy technology and minimal effort allow the easy adaptation of any automatic Aquastar® drive on our manual Praher backwash valves without the removal of the manual backwash valve from the piping.

Depending on the selected Aquastar® drive, the filter system gains more safety through integrated time and/or pressure switches.



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

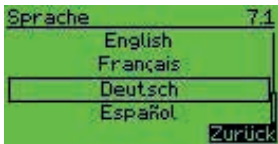
The „Heating“ relay can be used to switch off a heater before switching off the pump. Up to 3 digital 1-wire sensors can be connected: heating control with pool sensor, solar control with additional solar sensor and display of the outside temperature

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.



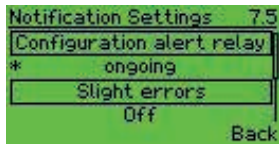
Perfect overview: automatic display of all parameters on the status screen



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

LOXONE AQUASTAR® AIR

- For dimensions 1½" and 2"
- Visualization and fully automatic control of filter and backwash times via the Loxone app (iOS and Android)
- Free updates via Loxone Miniserver
- Multigrade operating voltage (100-240 VAC 50-60Hz/150-300VDC or 24V AC/DC)
- A stand-alone lift and rotating drive for Loxone control with increased functionality
- Easy adaptation to all common filter brands with a 1½" or 2" Ocean® side mount or top mount valve
- Connection of Aquastar® SafetyPack possible (available on request)



Smart Backwashing with the 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

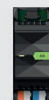
Additional integration of underwater lighting (controllable and dimmable), heat pump, filter pump, salt electrolysis and dosing systems by means of extensions



**LOXONE
MODBUS®**
Control and integration
of salt electrolysis sys-
tems and heat pumps



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

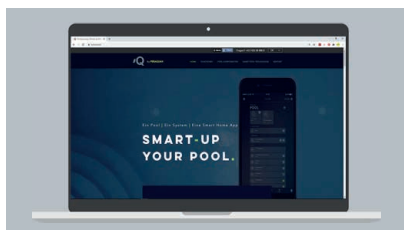


**LOXONE
AO**
Control and Integration of Smart
swimming pool pump E.PRO



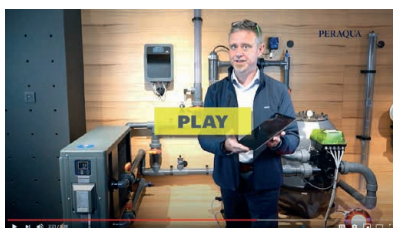
The Aquastar® Air is part of the iQnnect system by Peraqua®. iQnnect is an exquisite range of intelligently networked Peraqua® pool components for a fully automatic and device-controlled pool. With the aim to operate a completely automatic, safe and sustainable pool system via a smart device, iQnnect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

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



PERAQUA®

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®

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