BADU Blue Public

The smart, intuitive pool control system for your hotel swimming pool.
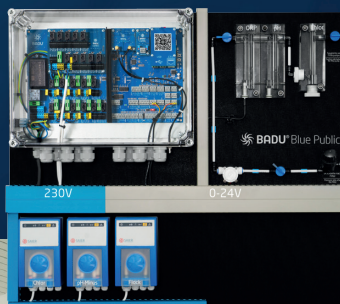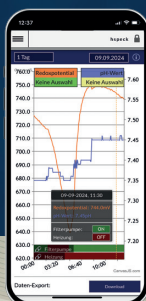
Efficient operation

Smart control

Easy to use

BADU® Blue Public

The smart complete pool control system for carefree swimming fun.
With integrated measuring and control technology for hotel swimming pools.

Field of application

BADU Blue Public is a pool control system which is integrated into the network. It has been developped as a system that can be adapted to many different pool installations and a variety of technical equipment. It is designed for whirlpools and hotel swimming pools up to a maximum of 250 m³.

Mode of operation

Parameters that are recorded, evaluated and appropriately regulated can be displayed and modified using a web app on all mobile devices and PCs. The web app can be displayed both via the local network and remotely. There is also the option for the pool builder/maintenance company to administer the control system via a backend.
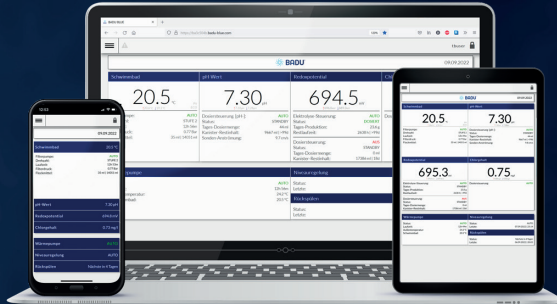
Scope of delivery

1x BADU Blue Public terminal box, mounted on a mounting board, wired
1x pH glass electrode
1x Redox glass electrode
1x Potentiostatic chlorine electrode
1x Adhesive set for injection point and sample water
1x Buffer solution set
2x PE hose, 3 m, ø 6 mm, white
1x Teflon tape, 12 mm wide
1x Interference snubber, wired, 250V AC
3x Accessories / small parts for dosing groups
1x Installation instructions

Features

> Redox measurement.
> pH measurement.
> Free chlorine measurement.
> Control of variable speed and unregulated filter pumps.
> Optional filter pressure and/or circulation monitoring.
> Large peristaltic pumps for the dosing of flocculant, pH, and chlorine.
> Continuous flocculant dosing.
> Chlorine measuring cell with self-cleaning function.

Features

> The feeding rate of the peristaltic pumps can be adjusted with a potentiometer (for ph/chlorine up to 9 l/h and for flocculant dosing up to 2.4 l/h maximum).
> Control of heating/heat pump/heat exchanger.
> Suction control via floor drains (ECO) and overflow channels or skimmers.
> Active winterisation of pools and frost protection.
> Forced flushing of solar panels.
> Solar panel priority circuit.
> Backwash control via actuator or rod valve possible.
> Water level control for skimmer and overflow tank possible.
> Safety switch-off/monitoring of the water refilling.
> Connection of additional analogue sensors with display on the dashboard.
> PV surplus control.
> Temperature control with up to 12 sensors.
> Connection of 4 suction lances for water care products.
> Integration of the weather interface.
> Automatic software updates.
> Support interface.
> Optional, free remote access via cloud server.
> Configuration wizard.
> User notification by email, push notifications.
> Simple integration of the measured values into home automation systems (JSON API).
> Inline assistant for direct access to the operating manual.
> Customisable user interface.
> Salt water electrolysis.
> Control of attractions.
> Control of pool cover.

Are you looking for a solution that allows you to stay on top of your hotel pool's energy management, water treatment and maintenance at all times?

BADU Blue Public is easy to use on any web browser, mobile device or PC. Just sit back, relax, and let our our all-in-one pool controller do the job while you can entertain your guests or focus on admin or management tasks. Remote pool automation and control from anywhere with the option of remote maintenance support from your installation/maintenance company. And with servers located in Germany, you can enjoy your pool with complete peace of mind.
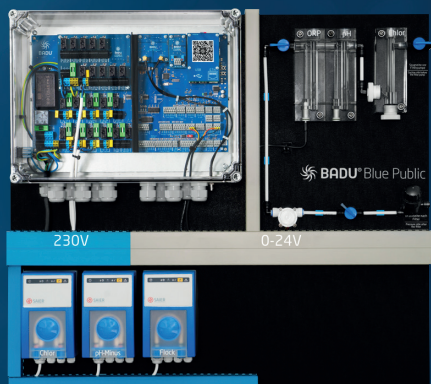

Further information regarding these products and accessories can be found on **badu.de**

Technical data	BADU Blue Public
Circuit board	Micro-processor controlled
Operating voltage	1~ 230 V, 50/60 Hz
Connection value (motor capacity P_1)	max. 0.90 kW
Fuse for circuit board/relay	1 A delay / 400 mA / 630 mA relay light
Max. permissable load current	250 V/4 A
	Technical data may vary.

Article no.	Type
271.6502.000	BADU Blue Public

BADU®

Features of BADU Blue Public

230V | 0-24V

Control of water disinfection (Redox, free chlorine, salt water electrolysis)

Pool cover control

Control of pool attractions

Continuous flocculant dosing

Control of pH value (pH plus or pH minus; optionally both)

Backwash control

Alarm and notifications (by email or mobile push)

Control of water level via level control

Control of filter pump

Control of solar panel system

Pool lighting control

Integration of weather interface

Additional connection options for analogue sensors

Additional connection options for up to 12 temperature sensors

Eco mode

Control of heating, heat pump or heat exchanger