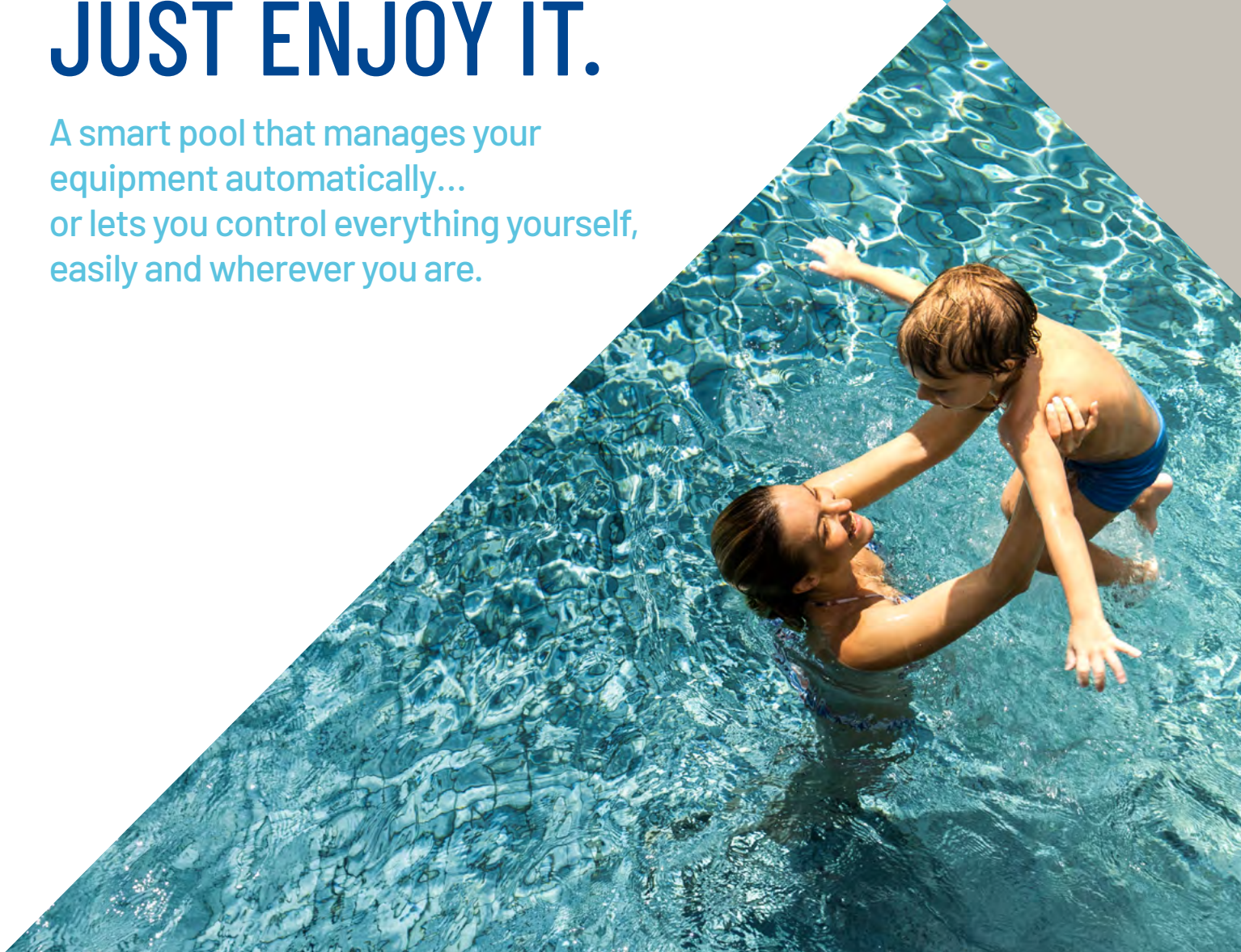




Automation
systems

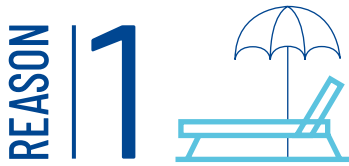
JUST ENJOY IT.

A smart pool that manages your
equipment automatically...
or lets you control everything yourself,
easily and wherever you are.



Why Automate Your Pool?

The Benefits and Pentair Solutions



No more worries about your pool

Imagine no longer having to ask yourself whether your water is ready for swimming, well-treated, clean and the right temperature, and just jumping into the water whenever you want.

- + A thorough check of the quality of your water guaranteed 24/7.
- + No stress, because the information comes to you.
- + More time to fully enjoy your pool.



The right operation at the right time

Imagine having a sustainable swimming pool that consumes as little energy as possible, while meeting your requirements and wishes.

- + Optimisation of energy expenditure.
Optimisation of product dosing.
- + Protection of equipment and extension of its service life.
- + Reducing environmental impact whilst saving money.

REASON

3



Remote monitoring

Imagine if your swimming pool went with you wherever you went: you're always in control, you're notified in real time, and you can enjoy a pool that's ready whenever you feel like it.

- + Be alerted immediately wherever you are, allowing you to react in real time and in a reasoned manner.
- + Plan "swimmability" in the event of travel.
- + Anticipate the purchase of consumables.
- + Outsource the management to a service provider.

With an automation system, you can automate the operation of your swimming pool equipment (filtration, water treatment, lighting, heating) and manage it yourself or have it managed remotely with ease.

Whether your swimming pool is under construction or already in place, and regardless of how well-equipped or how large it is, an automation system will enable you to use your equipment more efficiently, extend its lifespan and, at the same time, give you greater peace of mind and enhance your enjoyment of swimming.

Pentair offers 2 automation solutions, designed to meet your needs

Speedeo Connect

The first step towards automation.

The ideal companion for a variable-speed pump, it can control up to 4 functions, including the filter pump.

PoolGenius

Control everything. Simplify everything.

It is a premium all-in-one control system that manages the equipment and water chemistry of a well-equipped pool, featuring simplified installation and a modern touchscreen interface. It can control up to 6 functions, including the filter pump and water treatment.



Speedeo Connect

The first step towards automation.

The ideal companion for any variable speed pump

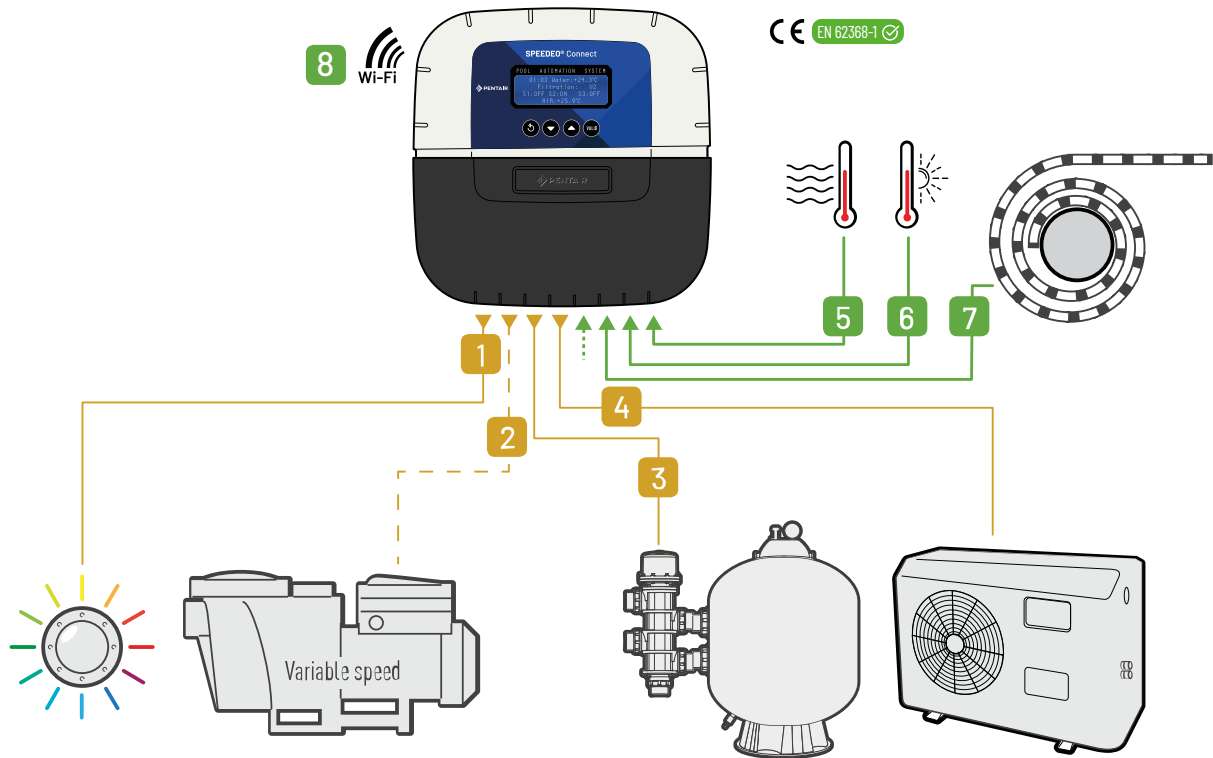
The water quality in your pool is 80% dependent on its filtration. Speedeo Connect adapts the filtration according to the water temperature and, in fact, improves its clarity.

Remote control, enhanced safety and reliability

Manage your swimming pool equipment through smart automation, advanced monitoring and diagnostics. Anti-freeze protection for added safety... And why not leave the management of your pool to a professional?

A scalable and adaptable solution

Do you already have a Soleo solution installed? If so, why not combine it with Speedeo Connect and the water chemistry will be automatically regulated and accessible remotely via your smartphone.



1 Lighting control

ON/OFF control of all white projectors

Colour mode control for Pentair RGB projectors (IntelliBrite, MicroBrite)

The lighting can be programmed to operate during customisable time slots

2 Control of filtration pumps

Control of single-speed and variable-speed pumps from any brand (dry contact)

Advanced monitoring and diagnostics for Pentair VS2, VSF and VSD2 variable-speed pumps (via the Intelli - RS-485 protocol)

Automatically adapts the filtration length according to the water temperature

3 Programming backwashes and controlling automatic valves (or other auxiliary equipment) via dry contacts

4 Heating control

ON/OFF control of heat pump-type heating, electric heaters and solar heating, with priority given to solar heating

Controlling Pentair heat pumps via the Intelli - RS-485 protocol

5 Water temperature (sensor included)

Anti-freeze protection via activation of filtration

6 Air temperature (optional sensor)

7 Information on the pool cover position

8 Easy to connect

Directly via Wi-Fi or using the Gateway option for extended Wi-Fi coverage.



PoolGenius

Control Everything.
Simplify Everything.



True all in one automation keeping water under control

A comprehensive automation system designed to centrally control key swimming pool equipment and **manage water chemistry**, using a modern, intuitive and 'all-in-one' approach.

Simplified, field oriented installation

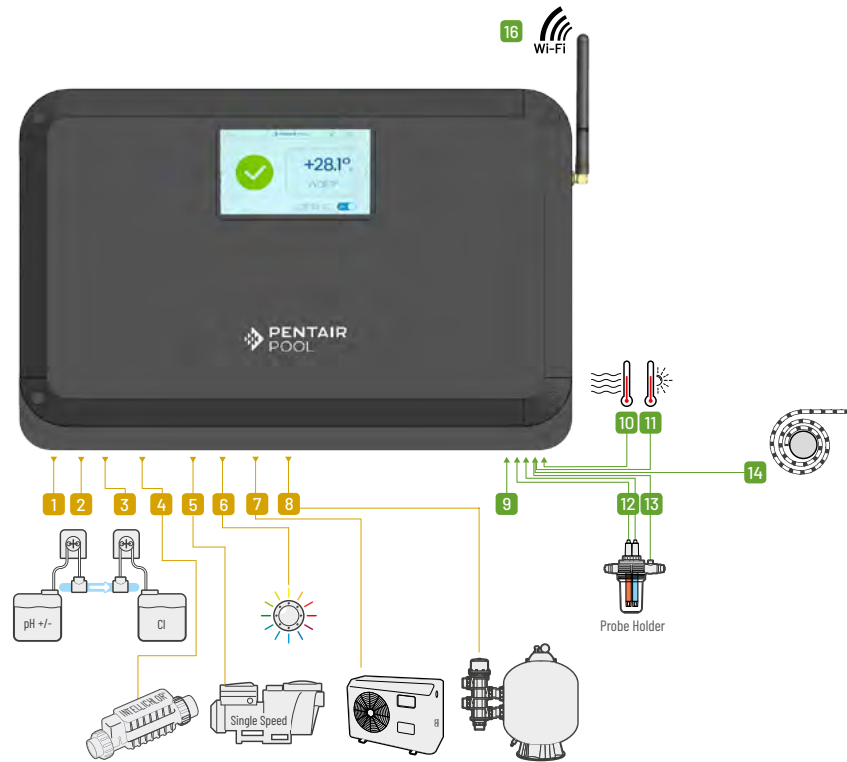
The design, which is aimed at simplifying installation and improving clarity, makes it easier to integrate the system into your plant room – whether in a new or existing building – whilst ensuring it is safer and easier to understand and use.

A modern, connected experience

With its premium colour touchscreen interface, interacting with your pool is a breeze – and you, or your pool specialist, can even control and operate it remotely.

PoolGenius is particularly well suited to private family swimming pools, whether they are new builds or existing pools. It is designed to integrate seamlessly with the e-Box, offering a comprehensive, modern solution that is ready to control all equipment. In renovation projects, it can also be fitted to an existing swimming pool using the 5X module, which is integrated directly into the existing electrical cabinet.

It's the ideal solution for swimming pools fitted with a pump, a heating system, lighting or other equipment, particularly when you want to manage everything easily from a distance – offering real peace of mind for second homes, fully equipped pools or anyone who wants to enjoy their pool to the full, without any hassle.



1 Power supply

2 pH dosing pump (included)

3 ORP control via a dosing pump (not included)

4 Monitoring of the disinfectant (ORP) or a dry-contact electrolyser

5 Controlling a single-speed filter pump using a dry contact

6 Lighting control

ON/OFF control of all white projectors

Colour mode control for Pentair RGB projectors (IntelliBrite, MicroBrite)

The lighting can be programmed to operate during customisable time slots

7 Heating control

ON/OFF control of heat pump-type heating, electric heaters and solar heating, with priority given to solar heating

Controlling Pentair heat pumps via the Intelli - RS-485 protocol

8 Programming backwashes and controlling automatic valves (or other auxiliary equipment) via dry contact

9 Variable speed pump control

Advanced monitoring and diagnostics for Pentair VS2, VSF and VSD2 variable-speed pumps (via the Intelli - RS-485 protocol)

Control of other variable-speed pumps is only possible with the 5X extension

10 Water temperature sensor (included)

11 Air temperature sensor (included)

15 Probe holder

Enabling clearer readings from the sensors and protecting them to extend their service life

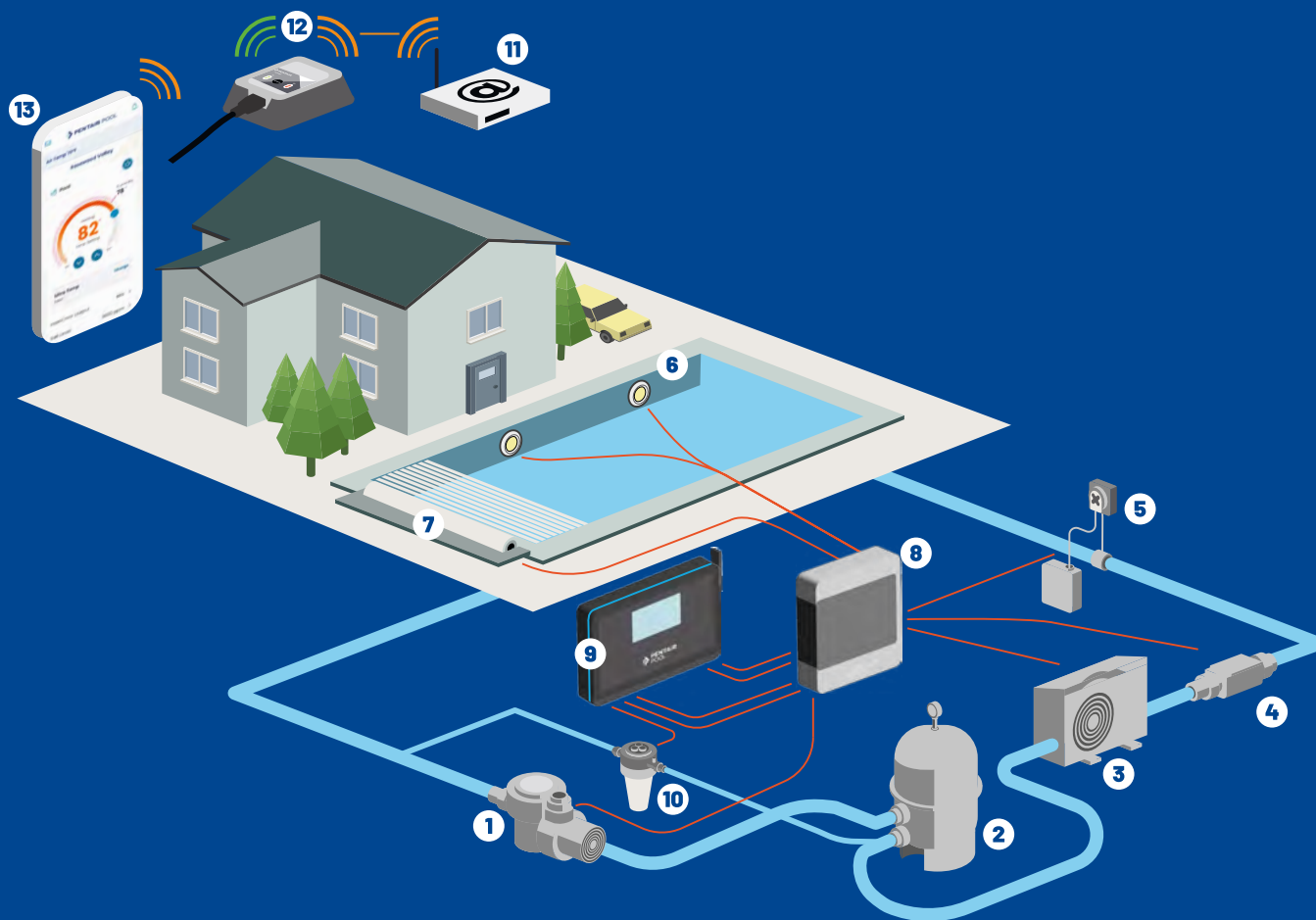
12 pH/ORP probes

13 Flow detector

14 Coverage detection information

16 Easy to connect

Directly via Wi-Fi or using the Gateway option for extended Wi-Fi coverage.



Example of a PoolGenius system installation

1 Filtration pump

2 Filter

3 Heat pump

4 IntelliChlor (option)

5 pH pump (included)

6 Lighting

7 Cover

8 E-Box

9 PoolGenius (included)

10 pH and ORP probes with probe holder (included)

11 Internet box

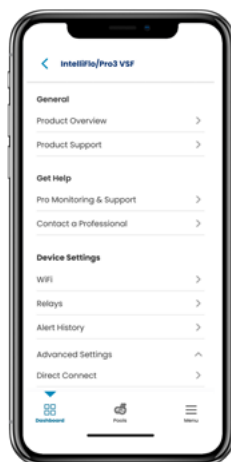
12 Gateway (option)

13 Remote pool control

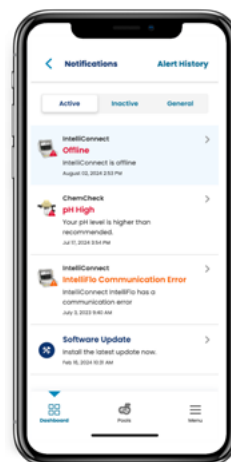
Pentair Pool app

Your swimming pool at your fingertips, wherever you are

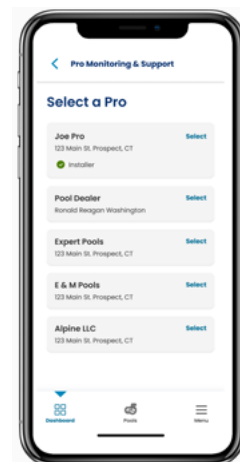
The Pentair Pool App, when used with your Speedo Connect or PoolGenius automation system, allows you to control all the equipment connected to your system and monitor water chemistry (PoolGenius only)... from the edge of your pool or anywhere else, thanks to a single, easy-to-use dashboard on your mobile device.



Monitor your connected Pentair equipment remotely, 24 hours a day, 7 days a week, to ensure it is working properly.



To quickly identify when equipment or pool conditions require attention, in order to avoid unnecessary maintenance call-outs and additional costs.



Find a trusted swimming pool professional near you and make the most of Pentair's advice, tips and resources to manage your pool with complete peace of mind.

Pentair Pro app

Benefit from professional guidance



The Pentair Pro App is designed for your pool specialist. Thanks to this app, provided you give your permission and they agree, they can receive information about your pool and the equipment connected to your Pentair automation system, and can prevent problems, issue alerts and, if necessary, carry out maintenance on your system more quickly and efficiently.

To complement the Pentair automation systems



PENTAIR GATEWAY

The easy solution for extending the range of connected products (Speedeo Connect or PoolGenius) to several hundred metres.

- + Easy installation
- + Extended Wi-Fi connection

For more
information
about your
product

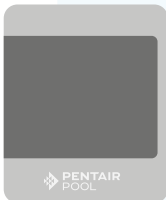


5X MODULE

The 5X expansion module is fitted onto a DIN rail in your electrical cabinet and replicates the PoolGenius outputs.

- + This allows all the equipment to be connected directly to the swimming pool's electrical box. Communication between this module and PoolGenius is wireless, making installation easier. It also allows variable-speed pumps from any brand to be controlled via dry contacts, with up to 4 speed settings.

For more
information
about your
product



E-BOX

The Pentair e-Box, an electrical enclosure pre-fitted with the 5X expansion module, is ready for use and simplifies the installation of PoolGenius in new swimming pool builds.

- + Easy to buy
- + Easy to install
- + Easy to maintain

For more
information
about your
product



		SPEEDED CONNECT	POOLGENIUS
Energy-efficient equipment ⁽¹⁾		💧💧	💧💧💧
Investment		€€	€€€
Filtration	Control of single speed pumps	•	•
	Control of variable speed pumps (dry contact)	•	5X (optional)
	Control "Intelliflo" pumps (Rs-485)	•	•
	Alert on presence of filtration rate	•	•
	Adaptation of the filtration time relative to the water temperature	•	•
Water treatment	pH display and regulation		•
	Display and regulation of disinfection via liquid chlorine injection		•
	Display and regulation of electrolysis disinfection		•
	Adaptation of water treatment when cover is closed		•
Heating	Heating start/stop	•	•
	Air temperature display	optional	•
	Water temperature display	•	•
	Heating priority mode	•	•
Lighting	Lighting start/stop (white and colour)	•	•
	Colour control for Pentair projectors (RGB)	•	•
	Lighting programming with other functions	•	•
Safety	Information on the pool cover position	•	•
	Anti-freeze: automatic filtration activation	•	•
	Remote alarms	•	•
Acc. opt.	Pentair Gateway	•	•
	5X Module		•
	E-Box		•
	Soleo	•	



Keep in touch
with your pool

24/7



Ask your
swimming pool
specialist which
solution is best
suited to your
setup

Automating Your Pool: A Smart Choice for a More Sustainable Pool Experience

An automation system designed and manufactured in Europe will enable you to use your equipment sensibly, extend its lifespan and, at the same time, give you greater peace of mind and enhance your enjoyment of swimming.

3 excellent reasons to invest
in an automation system:

1. No more worries about your pool
2. The right operation at the right time
3. Remote monitoring



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