INJECTA
the perfect dosing

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POOL PRODUCTS



Factors affecting swimming pool water quality:

1. **BATHER LOAD**
2. **ENVIRONMENTAL CONDITIONS**
3. **RECIRCULATION**
4. **POSSIBLE EXTERNAL INPUTS**



MEASUREMENT

Measurement makes it possible to detect a specific water parameter (e.g. pH, chlorine)

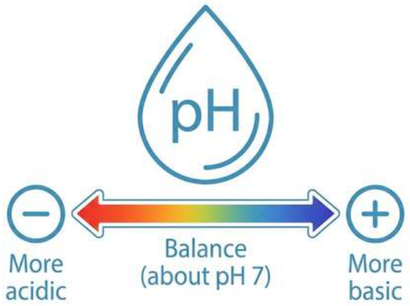
CONTROL

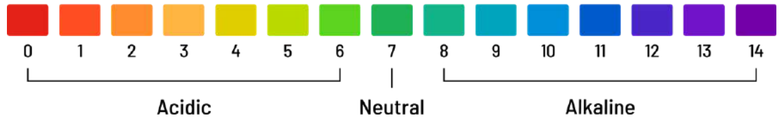
Control interprets the measured value, compares it with the reference value and applies the operating logic

DOSING

Allows a product to be introduced or a treatment agent to be generated

UNDERSTANDING WATER PARAMETERS: PH, REDOX AND CHLORINE





pH describes the acid-base characteristics of water and is measured on a scale from 0 to 14 pH

This is the measurement range specified for Elite series instruments and for various Helios configurations.



Redox, also referred to as ORP, expresses the oxidation-reduction potential of water and is measured in millivolts (mV).

It indicates the oxidising behaviour of water, but does not directly measure chlorine concentration.

A Redox value therefore cannot automatically be converted into ppm of chlorine, since the relationship between the two parameters depends on water conditions and the measurement context



Free chlorine is a concentration and is expressed in ppm

Its measurement requires specific technology capable of directly detecting the parameter

NIKE PH/RX



Peristaltic dosing pump
Suitable for swimming pools up to 120–150 m³

Range pH	6–8 pH
Range	Flow rate: 1,5 l/h Pressure: 1,5 bar
Power supply	100–240 Vac

ATHENA PR



Electromagnetic dosing pump
with pH/Rx control

Materials	Pump body: PVDF Ceramic balls Diaphragm: PTFE Wall bracket included in the kit
Function	Constant and proportional dosing according to pH / Rx values
Range	Flow rate: 2.5 to 110 l/h Pressure: 0.1 to 20 bar
Power supply	Stabilised multi-voltage, 100–240 Vac 50/60 Hz, low power consumption

HYDRA BC



Electromagnetic dosing pump
Suitable for swimming pools up to 120–150 m³

Range pH	6–8 pH
Range	Portata: 1,5 l/h Pressione: 1,5 bar
Alimentazione	100–240 Vac

HYDRA MT CON E-FLOW



Digital dosing pump with sensor
Suitable for wastewater treatment (dechlorination)

Materials	PVDFC head Ceramic balls PTFE diaphragm
Function	Manually adjustable, with proportional dosing based on pH or ORP
Range	Flow rate: 5 l/h Pressure: 8 bar
Power supply	100÷240 Vac , 50/60 Hz

Tube diameter	DN15 ÷ DN600 (0,5 ÷ 24 in.)
Nominal Flow Rate	0,15 ÷ 8 m/s (0,5 ÷ 25 ft/s)
Linearity	± 0,75 % of full scale
Repeatability	± 0,5 % of full scale
Nominal frequency	45 Hz per m/s (13,7 Hz per ft/s)
Current max output	10 mA

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WiFi

ELITE WEB



Suitable for swimming pools up to 120–150 m³
Remotely programmable

Range Rx	-990 ÷ 990 mV
Range	Flow rate: 1,5 l/h Pressure: 1,5 bar
Power supply	100–240 Vac

ELITE WEB PR



Suitable for swimming pools up to 120–150 m³
Remotely programmable

Range Rx	-990 ÷ 990 mV
Range	Flow rate: 1,5 l/h Pressure: 1,5 bar
Power supply	100–240 Vac

ELITE WEB PRC



Suitable for swimming pools up to 250 m³
Remotely programmable

Range pH	0 ÷ 14
Range Rx	0 ÷ 1000 mV
Range Cl	0 ÷ 5 ppm
Range	Flow rate: 4,0 l/h Pressure: 1,5 bar
Power supply	100–240 Vac

ELITE WEB PRC EM



Pre-assembled system
Suitable for swimming pools up to 250 m³

Pump	Electromagnetic (OLIMPIA Series)
Probes	pH, chlorine
pH/Rx measurement	pH: 0–14 / Chlorine: 0 ÷ 5 ppm
Flow sensor	Integrated

HELIOS 01



Pre-assembled system

Pump	Digital electromagnetic (ATHENA.PR Series)
Probes	pH, Redox, level
pH/Rx measurement	pH: 0–14 / Rx: -999 ÷ +999 mV
Flow sensor	Integrated

STERIL & REVERSE POLARITY ELECTROLYTIC CELL



Compact salt chlorinator



Model	80 M3	120 M3	220 M3
Parameter	Steril 15S	Steril 20S	Steril 35S
Corrente massima cella	15 A	20 A	35 A
Chlorine production	15 g/h	20 g/h	35 g/h
Salt quantity	4 g/l	4 g/l	4 g/l

Cell & materials	Reverse polarity, titanium + CE400
Service life	10,000 hours (in laboratory conditions, polarity reversal every 4 hours)
Current density	~400 A/m²
Maximum cell voltage	22 Vcc
Cable length	1.5m x 6mm²

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CONVERTER BOX

LINK BOX

HELIOS 02



Pre-assembled system

Panel	Digital panel
Instrument	Nexus 3000, amperometric chlorine
pH range	pH probe provision
Chlorine / bromine / other measurement	Chlorine: 0–5 ppm / Bromine: optional

HELIOS 03



Pre-assembled system

Panel	Assembled and wired digital panel
Instrument	Nexus 5000 mA potentiostatic
pH range	pH probe provision
Chlorine / bromine / other measurement	Organic/inorganic chlorine, PAA, H2O2, O3, ClO2, Br, TB, DO (via potentiostatic sensor, not included)
Probe holder	Plexiglass, max. 60°C, 5 bar pressure, integrated flow sensor

HELIOS 04



Pre-assembled system

Panel	pH/Rx – mA (Pot) panel
Instrument	Nexus 5500
pH range **Rx range**	0 ÷ 14 0–60°C, 6 bar ±1000 mV, 0–60°C, 6 bar
Chlorine / bromine / other measurement	Organic/inorganic chlorine, PAA, H2O2, O3, ClO2, Br, TB, DO (via potentiostatic sensor, not included)
Probe holder	Plexiglass, max. 60°C, 5 bar pressure, integrated flow sensor

CONVERTER BOX

LINK BOX

HELIOS 05



Pre-assembled system

Panel	pH/Rx – mA (Pot) panel
Instrument	Nexus 5500
pH range	0 ÷ 14 0–60°C, 6 bar
Rx range	±1000 mV, 0–60°C, 6 bar
Chlorine / bromine / other measurement	Organic/inorganic chlorine, PAA, H2O2, O3, ClO2, Br, TB, DO (via potentiostatic sensor, not included)
Probe holder	Plexiglass, max. 60°C, 5 bar pressure, integrated flow sensor

COLORIMETRO



pH range	0–14 pH
ORP range	± 1.500 mV
Chlorine range*	0 – 5 ppm
Temperature range	0 – 50°C

*Free chlorine, in a photometric chamber, using the DPD method, with pH between 6.2 and 8.2 for swimming pool applications

REMOTE READY - DIRECT CONNECTION

Some Injecta products are equipped with **built-in Wi-Fi** and can connect directly to the Injecta Remote platform, without the need for external converters (such as Link Box or Converter Box).

These devices allow an immediate access by simply configuring **the local Wi-Fi network.**

- No additional wiring or converter required
- Quick and easy installation
- Perfect integration with digital business processes



SYSTEMS EQUIPPED WITH INTEGRATED CONNECTION



ELITE WEB PH/RX



ELITE WEB PRC



ELITE WEB EM



CONVERTER BOX

The device can be physically connected to certain Injecta products equipped with a ModBus serial port.

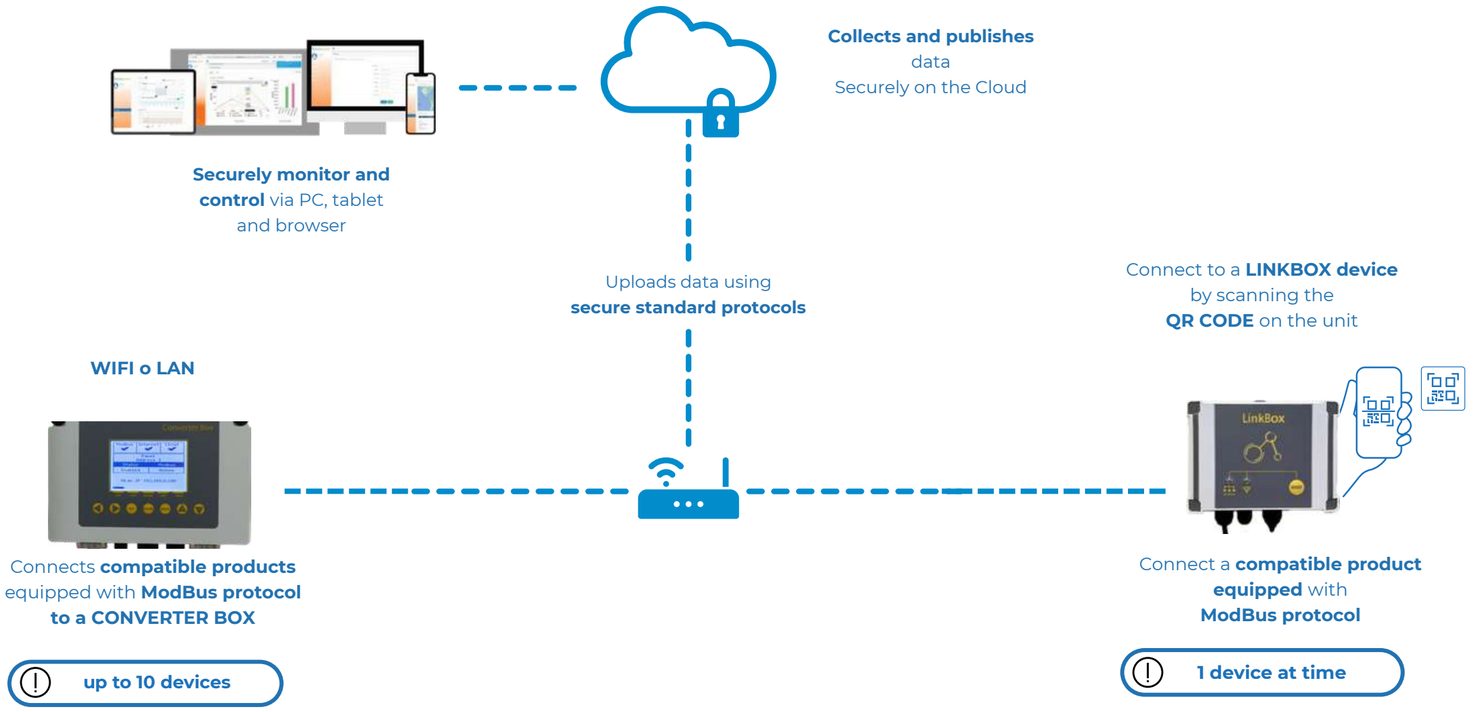
The system provides a guided installation procedure for connected devices, making configuration simple, fast, and intuitive.
Once installation is complete, the devices are automatically displayed within the portal.

LINK BOX

Link Box is a dedicated unit that connects all Injecta devices equipped with Modbus serial ports accessible via
web, creating a vital link between the equipment and Wi-Fi for Internet access.

CONVERTER BOX

LINK BOX



Acting as an interface between Injecta systems and the **local Internet network**, the Converter Box provides the ability to transfer data from our instruments to **Injecta Remote**.

Compatible with any available Internet connection, the Converter Box allows **authorized users to remotely control devices via login credentials**.

It can manage up to **10 devices** on a shared wired **RS485** network using the **Modbus protocol**.

Through an RS485 connection, the Link Box allows devices equipped with the Modbus protocol to access a Wi-Fi connection. It can manage one device at a time.

Thanks to the **integrated QR Code**, it is possible to connect and:

- **Quickly access** the **local Web Server**, even without an Internet connection
- Configure Internet **access**
- **Monitor values** in real time

SYSTEMS COMPATIBLE WITH LINK BOX E CONVERTER BOX



NEXUS 5000



NEXUS 5500



NEXUS 7000

LINK BOX

CONVERTER BOX



HELIOS 03



HELIOS 04



HELIOS 05



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