

SWIMMING POOLS

Measurement, control and dosing: the complete solution for residential, semi-public, and public pools

Your reliable partner for dosing solutions

About us

With a **legacy spanning decades**, Injecta specializes in the design and manufacture of dosing systems for diverse industrial sectors.

Safety is at the heart of our mission: we understand the risks associated with chemical handling, therefore we provide **solutions engineered to mitigate critical operational risks.**

Leveraging our **technical expertise**, we guide clients in **optimal material selection** and the **integration of dedicated safety systems.**



Chemical Control and Dosing

In **modern pool** management, **chemical water** control is fundamental to **ensure safety, efficiency**, and consistent water quality.

Our **dosing** and **monitoring systems**, designed for both indoor and outdoor environments, allow precise control of multiple water parameters including: **pH, ORP, conductivity, chlorine, oxygen, turbidity, peracetic acid, ozone, bromine, peroxide, and flow rate**.

Importance of Water Treatment

Water treatment stabilizes chemical and **physical characteristics**, ensuring **high-quality water**, user **safety**, and **long-term system efficiency**.

Injecta systems guarantee safety and reliability through **IP65** enclosures and **chemically compatible materials**, tested prior to distribution.

They are designed for **ease of use and installation**, with **intuitive interfaces** suitable for residential solutions and professional aquatic parks.



Residential Pools



NIKE pH/Rx



Suitable for 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

ELITE WEB PR



Suitable for pools up to 120–150 m³
Programmable remotely

Range pH	0 ÷ 14
Range Rx	0 ÷ 1000 mV
Range	Flow Rate: 1,5 l/h Pressure: 1,5 bar
Power Supply	100–240 Vac

ELITE WEB pH/Rx



Suitable for pools up to 120–150 m³
Programmable remotely

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 pools up to 250 m³
Programmable remotely

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

Residential Pools



STERIL

Compact Salt Chlorinator



	80 m ³	120 m ³	220 m ³
Parameter	Steril 15S	Steril 20S	STERIL 35S
Maximum cell current	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

ELITE WEB PRC PANEL



Suitable for pools up to 250 m³

Programmable remotely

Range pH	0 ÷ 14
Range Rx	0 ÷ 1000mV
Range Cl	0 ÷ 5 ppm
Range	Flow Rate: 4 l/h Pressure: 1,5 bar
Power Supply	220–240 Vac, 50–60 Hz

CELL

Reverse Polarity Electrolytic Cell



Electrode material	Titanium with CE 400 coating
Technology	Reverse polarity cell
Lifespan	Up to 10,000 hours
Reference conditions	Laboratory conditions, polarity reversed every 4 h
Current density	Approx. 400 A/ m ²
Maximum cell voltage	22 Vcc
Cable section	6 mm ²
Cable length	1,5 m

HELIOS 01



HELIOS 02



ELITE WEB PRC EM



	HELIOS 01	HELIOS 02	ELITE Web PRC EM
Pump	Digital Electromagnetic (ATHENA.PR Series)	Digital Panel with Dosing Pump (Nexus 3000, Amperometric Chlorine)	Electromagnetic (OLIMPIA Series)
Probes	pH, Redox, level	pH (predisposed), Chlorine/Bromine	pH, Chlorine
pH/Rx measurement	pH: 0-14 / Rx: -999 ÷ +999 mV	Chlorine: 0-5 ppm / Bromine: optional / pH: pred	pH: 0-14 / Chlorine: 0 ÷ 5ppm
Flow sensor	Integrated	Integrated	Integrated
Pannel	Thermoformed 45 × 70 cm	Thermoformed 45 × 70 cm	Thermoformed 45 × 70 cm
Assembly	Assembled and wired ready for installation	Assembled and wired ready for installation	Assembled and wired ready for installation



HELIOS 03



HELIOS 04



HELIOS 05



	HELIOS 03	HELIOS 04	HELIOS 05
Pannel	Digital assembled and wired	Panel pH/Rx – mA (Pot)	Nexus 7000, models CLA/PRC/PRC POT
Instrument	Nexus 5000 mA potentiostatic	Nexus 5500	Nexus 7000
pH measurement	pH probe (predisposed)	0–14 pH, 0–60°C, 6 bar	0–14 pH, 0–60°C, 6 bar
Rx measurement	⊗	±1000 mV, 0–60°C, 6 bar	±1000 mV, 0–60°C, 6 bar
Chlorine/Bromine Other measurement	Chlorine organic/inorganic, PAA, H2O2, O3, ClO2, Br, TB, DO (via potentiostatic sensor, not included)	Chlorine organic/inorganic, PAA, H2O2, O3, ClO2, Br, TB, DO (via potentiostatic sensor, not included)	CLA: Free Chlorine 0–5 ppm PRC: Free Chlorine + pH/ORP PRC POT: Potentiostatic (not included)
Probe holder	Plexiglass, max 60°C, 5 bar pressure, integrated flow sensor	Plexiglass, max 60°C, 5 bar pressure, integrated flow sensor	Plexiglass, max 60°C, 5 bar pressure, integrated flow sensor
Remote connection	✓	✓	✓

Accessories

PH/RX SENSORS



	Sonda pH	Sonda Rx
Parameter	pH	Potenziale Redox (ORP)
Measurement field	0 ÷ 14 pH	±1000 mV
Body	Glass	Glass
Membrane diaphragm type	Open channel	1 open hole
Reference	GEL	GEL
Pressure	Up to 6 bar	Up to 6 bar
Conductivity	≥ 5 µS/cm	⊗
Mechanical connection	PG 13.5 mm (1/4")	PG 13.5 mm
Electrical connection and cable	S7 with BNC connector (not included) 5-10 mm	S7 (cable not included) *high temperature cable 5-10 mm

BLOWERS



Impeller	Flow rate (m³/h)	Pressure (mbar)	Suction (mbar)	Motor	Noise (dB A)
Single	40 – 1.370	70 – 480	-60 – -340	Single / Three-phase	46 – 71
Double	47 – 2.050	240 – 820	-200 – -500	Single / Three-phase	58 – 84
Triple	170	1.05	-730	Three-phase	72

ORGANIC/INORGANIC CHLORINE SENSOR



	Range
pH	4 ÷ 10
Chlorine	0 ÷ 10 ppm
Conductivity	0,1 ÷ 60 mS
Pressure	0 ÷ 3 bar
Temperature	0 ÷ 45 °C
Flow rate	Approx. 30 l/h
Cable and connection	15 m Ø 25 mm

BIOPER PLUS



Enzyme Dosing System

Flow rate	Pressure	Tubes	Power supply	Dimensions	Tube	Set up
12 l/h	1 bar	EPDM 6×10	100-240 V	234 x 162 x 108 mm	Santoprene	Up to 48 dosing events per day programmable

Wastewater Treatment System

HYDRA MT with E-FLOW



- Materials**
PVDFC head
Ceramic balls
PTFE diaphragm
- Function**
Manually adjustable and 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	Nominal Flow Rate	Linearity	Repeatability	Nominal frequency	Current max output
DN15 ÷ DN600 (0,5 ÷ 24 in.)	0,15 ÷ 8 m/s (0,5 ÷ 25 ft/s)	± 0,75 % of full scale	± 0,5 % of full scale	45 Hz per m/s (13,7 Hz per ft/s)	10 mA

Panel-mounted pumps

ATHENA AM



Materials

Pump body: PVDF
Ceramic balls
Diaphragm: PTFE
Wall mounting bracket included in the kit

Range

Flow rate: from 2.5 to 110 l/h
Pressure: from 0,1 to 20 bar

Power supply

Stabilized multi-voltage
100–240 Vac 50/60 Hz with low power consumption

ATHENA PR



Materials

Pump body: PVDF
Ceramic balls
Diaphragm: PTFE
Wall mounting bracket included in the kit

Function

Constant and proportional dosing based on pH / Rx values

Range

Flow rate: from 2.5 to 110 l/h
Pressure: from 0,1 to 20 bar

Power supply

Stabilized multi-voltage
100–240 Vac 50/60 Hz with low power consumption

HYDRA PR



Materials

Pump body: PVDFC
Ceramic balls
PTFE diaphragm

Function

Manually adjustable and proportional dosing based on pH or ORP, with temperature compensation

Range

Flow rate: 5 l/h
Pressure: 8 Bar

Power supply

110–230 Vac, 50/60 Hz

*PT100 temperature probe (on request)

HYDRA BL



Materials

Pump head: PVDFC
Ceramic balls
Diaphragm: PTFE
Wall mounting bracket included in the kit

Function

Constant, adjustable by knob (0–100%) or reduced range (0–20%)

Range

Flow rate: 5 l/h
Pressure: 8 Bar

Power supply

100 ÷ 240 Vac, 50/60 Hz

Panel-mounted pumps

HYDRA BC



Materials

Pump body: PVC-C / PVDF-C
Ceramic balls
Diaphragm: PTFE
Wall mounting bracket included in the kit

Functions

2 modes:
CONSTANT (continuous dosing)
PROPORTIONAL (digital signal with 4 = n division)

Range

Flow rate: 5 l/h
Pressure: 8 bar

Power supply

100 ÷ 240 Vac, 50/60 Hz

TM 07



Materials

Pump body: AISI 316 or PVDF

Diaphragm diameter

70mm

Range

Flow rate: 10–120 l/h
Pressure: 5 bar

Power supply

Motor: 0.06 KW-3PH IP55 380VAC 50/60HZ
Motor: 0.06 KW-1PH IP55 110 220VAC 50/60HZ

GEA R MT



Materials

PVDF pump head with anti-seepage system
Diaphragm: PTFE
Reinforced PP housing
Wall mounting bracket included in the kit

Functions

Manually adjustable stroke length 1–100%
Frequency adjustable via display 1–100% (up to 300 strokes/min)
Accuracy ±2%

Range

Flow rate: from 2.5 to 18 l/h
Accuracy: ≤ 2.0%
Max pressure: 16 bar (232 psi)

Power supply

100 - 240 Vac, 50/60 Hz

NIKE LP



Materials

Santoprene tube

Range

Flow rate: 10.8 l/h
Pressure: 1.5 bar

Power supply

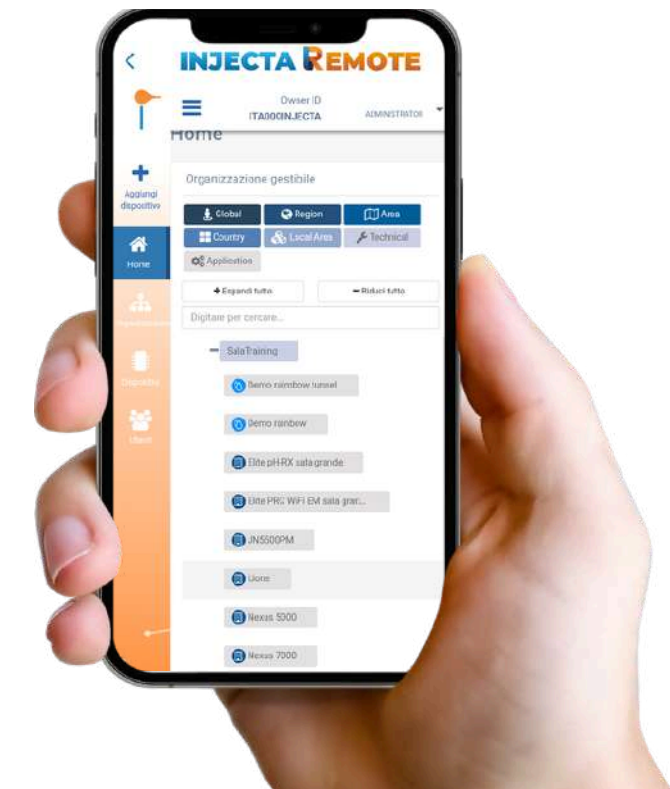
100 ÷ 240 Vac, 50/60 Hz

Injecta Remote

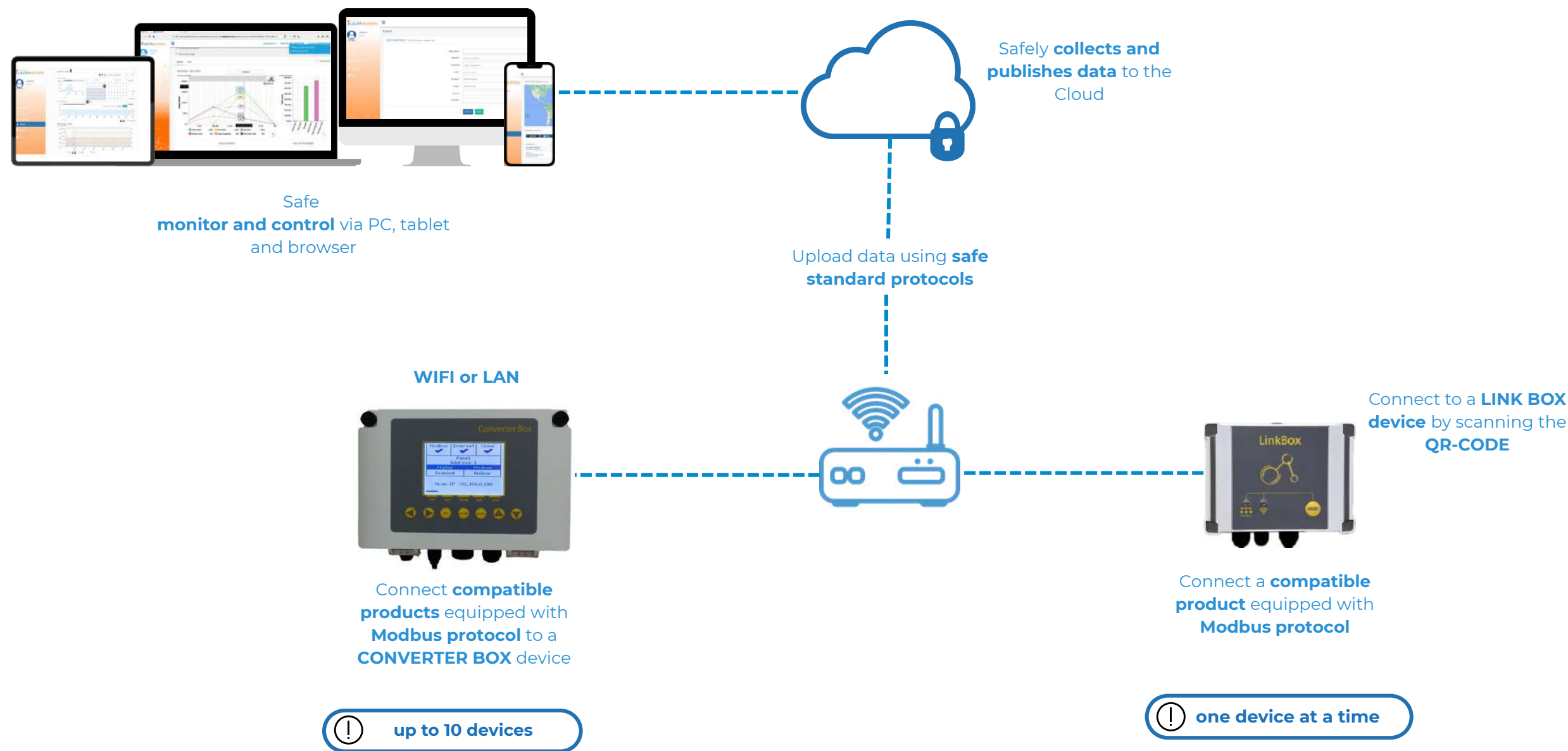
Injecta Remote is the advanced digital platform empowering users to monitor and control installations remotely, from any location globally.

Engineered for managers of **multi-site operations**, it provides a **unified interface** to **supervise processes, take immediate action, and optimize system performance**.

- Delivers centralized, real-time control
- Enables efficient, proactive management
- Facilitates remote diagnostics, minimizing the need for on-site visits
- Ensures a comprehensive user experience backed by continuous support and reliability



Remote Connection: Converter and Link Box



Serving as the gateway between Injecta systems and the **local network**, the Converter Box facilitates seamless data transfer to the Injecta Remote platform.

Compatible with any standard Internet connection, it **ensures secure remote control for authorized users**.

The device is capable of managing **up to 10 units** on a **shared RS485** wired network via the Modbus protocol.

Via an RS485 connection, the Link Box enables Modbus-equipped devices to interface seamlessly with a Wi-Fi network. Designed for dedicated single-device management, it ensures focused connectivity. An integrated QR code facilitates instant connection to the Link Box, granting users the ability to:

- Instantly access the **local WebServer**, even in the absence of an Internet connection.
- Configure **Internet settings**
- **Monitor operating values** in real time



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