



INDUSTRIAL LAUNDRY

*Advanced solutions for chemical dosing in
washing systems*

Your trusted partner in 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.**



Professional laundry

In the professional laundry sector, **efficiency, washing quality**, and **fabric protection** are essential elements to ensure consistent and hygienically safe results.

Industrial washing machines combine **mechanical action, hot water**, and **specific chemical products** to remove dirt, stains, and residues from both delicate and resistant fabrics. To achieve optimal performance, **detergents, softeners, and additives** must be dosed with precision.

Importance of chemical treatment

The operating conditions of **industrial laundries** – **high temperatures, frequent cycles**, and the presence of **residues** – naturally promote the formation of scale, deposits, and fabric wear. **Accurate and continuous chemical treatment** prevents these phenomena, improves machine efficiency, and ensures **consistently impeccable washing results** while optimizing consumption and operating costs.

Thanks to the **use of precise and reliable dosing systems**, each wash is hygienically safe, with lower product consumption and increased equipment durability.

The optimal management of detergents, supported by Injecta professional dosing pumps, guarantees high performance, fabric protection, and long-term sustainability.





NIKE FX



Ideal for coin-operated machines

Materials	Santoprene, EPDM or silicone, Ø 6.25×10.5 mm Fittings: 8×12 mm
Range	Flow rate: 15 L/h – 100 kPa Pressure: 1 bar – 14.5 psi
Power supply	100÷240 V or 24 Vac 50/60 Hz (optional 24 Vac)
Operating mode	ON/OFF switch Dosing type: Manual, adjustable from 0.15 to 15 L/h Suitable for high-viscosity liquids

NIKE TL



Ideal for coin-operated machines

Materials	EPDM or silicone Ø 6.25×10.5 mm Fittings: 8×12 mm
Range	Flow rate: 15 L/h – 100 kPa Pressure: 1 bar – 14.5 psi
Power supply	100÷240 V or 24 Vac 50/60 Hz; 24 V or 100÷240 Vac signal
Operating mode	Password-protected menu Motor control with overload alarm Adjustable delay: 0–999 sec; Dosing time: 0–999 min with priming Suitable for high-viscosity liquids

SYNERGY SUN



Materials Santoprene Ø 6,25 x 10,5 mm

Range Flow rate: 15 L/h
(250 ml/min – 9 oz/min)

Power supply 100–230 Vac, 50–60 Hz

Operating mode

- **Washing programs:** 5, manually selectable
- **Independent triggers:** 3, each capable of driving up to 3 pumps
- Maximum power **consumption:** 15 W (2 pumps), 18 W (3 pumps)
- **Level control:** Dry contact input for each chemical product

Optional accessories (SYNERGY SUN)



Flushing tee kit
3 pumps without solenoid valve



Solenoid valve
3/4" connection - 24 Vdc

Industrial

SYNERGY NEXT P



SYNERGY NEXT M



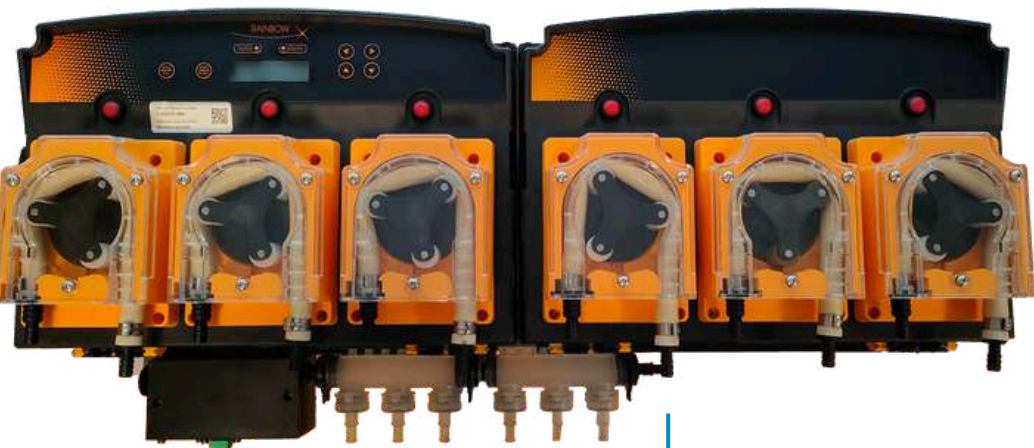
SYNERGY NEXT H



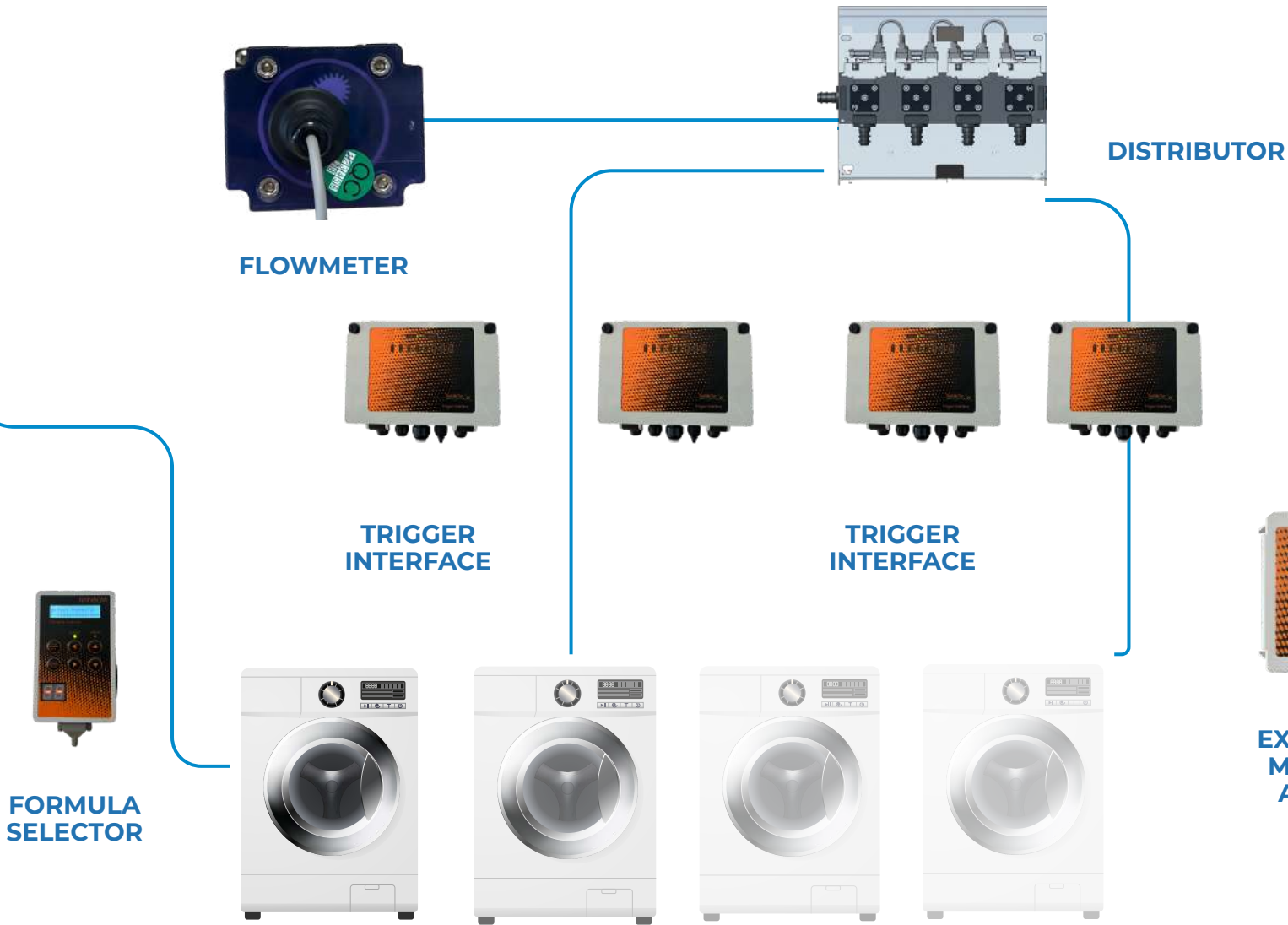
	NEXT P	NEXT M	NEXT H
Pump Flow rate	18 L/h	25 L/h	30 / 60 / 90 / 120 L/h
Number of configurable pumps	3-7	3-7	3-7
Operating modes	Relay / Programmable	Relay / Programmable	Relay / Programmable
Programs	Up to 40	Up to 40	Up to 40
Input signals	20-230 / 150-230 Vac	20-230 / 150-230 Vac	20-230 / 150-230 Vac
Flushing tee	PP + ceramic ball valves / Hastelloy spring	PP + ceramic ball valves / Hastelloy spring	PP + ceramic ball valves / Hastelloy spring
Tubing	Santoprene, Silicone, EPDM, FPM Ø6,25×10,5 mm	EPDM, Silicone Ø6,35×12,7 mm	Norprene, Silicone, EPDM, Tygon, FPM Ø10×16 mm

Connected

RAINBOW H-M



Required units

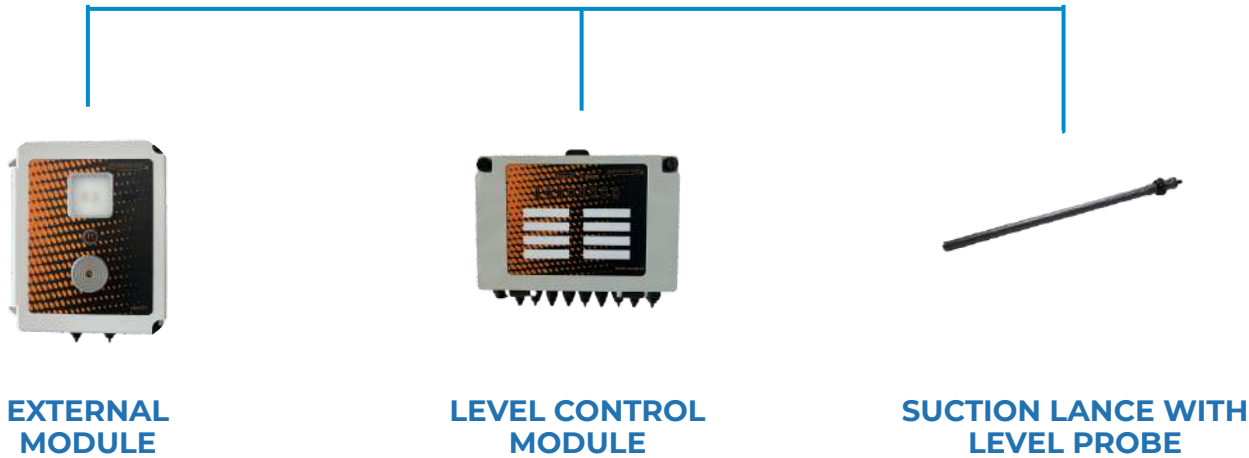


Chemical dosing for industrial laundries

Power supply	100–240 VAC, 50/60 Hz, 2 Amp
Dimensions	Vary according to the number of pumps
Programming modes	Formula Mode, Automatic Formula Selection Mode, Latched Mode

Pump configuration	Modular: from 3 to 16 peristaltic pumps
Pump series	S (Standard Flow), H (High Flow) 3 rollers, self-priming, self-checking
Water supply	Flow rate: 2–10 L/min, Pressure: 1–4 bar Temperature: 10–40°C; 3/4" BSP Female connection
Nominal flow rate and tubing	H Nominal flow: 1666 ml/min (100 L/h), tube Ø 9.6 × 15.9mm S Nominal flow: 416 ml/min (25 L/h), tube Ø 6.4 × 12.7 mm
Flowmeter	Optional flowmeter

Accessory units



Connected

SYNERGY FLOW



Venturi chemical dosing for On-Premise laundries

Power supply 100–240 VAC, 50–60 Hz

Dimensions 270 x 480 x 160

Programming mode

- 4.5 " color touch screen display chemical association
- Auto Formula Selection, Relay, Manual, WiFi, Bluetooth,
- Injecta Hub App

Integrated CANbus

Pump configuration	Up to 4 washing machines can be managed
Pump series	Up to 4
Inputs	Available with 4 or 6 inputs, expandable up to 10
Nominal flow rate and tubing	650 ml/min a 1,5 bar
Flowmeter	Dual flow meter

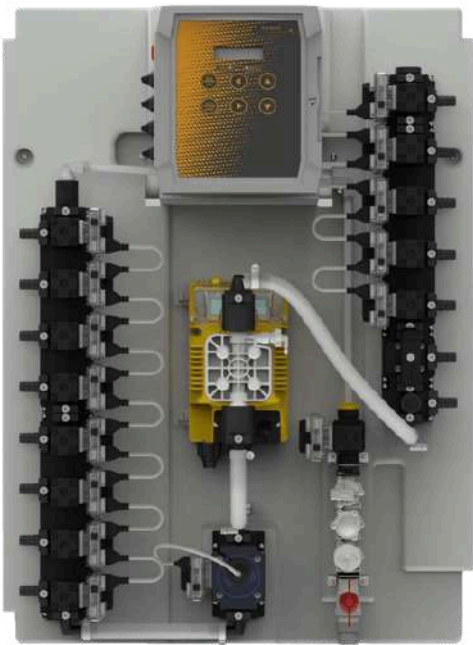
Required units

TRIGGER
INTERFACE

FORMULA
SELECTOR



RAINBOW SOLENOID



Centralized dosing system with solenoid pump

Power supply	100–240 VAC / 2 A
Dimensions	600 mm width – panel height 826 mm
Installation	Wall-mounted, panel base at 986 mm
Programming modes	Formula Mode Automatic Formula Selection Mode

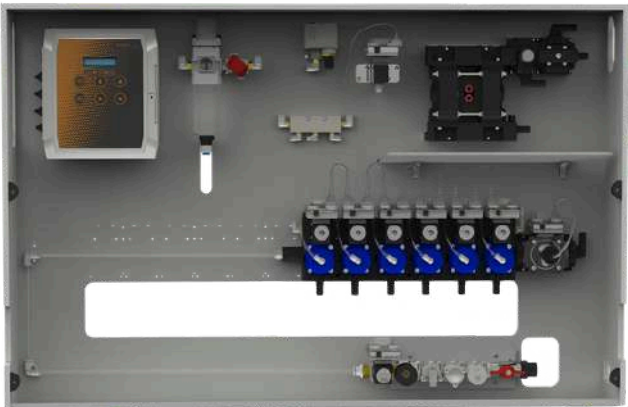
RAINBOW TUNNEL



Modular centralized dosing system with pneumatic pumps

Power supply	100–240 VAC / 2 A
Dimensions	1220 × 1850 × 790 mm
Installation	Floor-standing, modular cabinet
Programming modes	Management via Injecta Remote web server

RAINBOW AIR



Centralized dosing system with pneumatic pump

Power supply	100–240 VAC – 50/60 Hz – 2 A
Dimensions	System (4, 6 or 8 valves): 64 × 106 × 31 cm System (8 or 10 valves): 72 × 108 × 31 cm
Programming modes	Formula Mode Automatic Formula Selection Mode

General overview

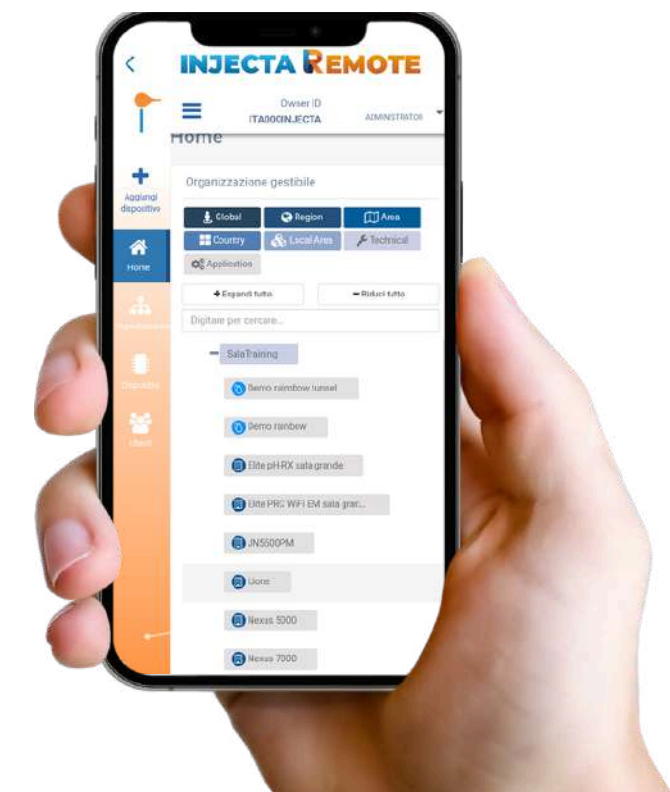
	SOLENOID	AIR	TUNNEL
Multi-machine capacity	Industrial washing machines (up to 5 machines)	Up to 12 washing machines	Washing tunnel (CBW) up to 5 dosing points
Operating modes	1 solenoid pump	1 pneumatic pump (Low Flow or High Flow)	1 booster pump + 5 modules with pneumatic pumps
Washer valves	For 3 or 5 machines	4–6 machine valves per module (expandable up to 10)	Independent modules with dedicated
Number of manageable products	4 / 6 / 8 products	4, 6, 8, 10 or 12 chemical valves (expandable up to 16)	4 products per module (up to 20 products on 5 modules)
Flowmeter	Included only in WashMulti Solenoid version	Integrated (high precision)	Integrated in each module (oval gears, ±3%)
Flow rate	Max 70 L/h	2–5 L/min (depending on viscosity) Max fluid pressure: 5 bar Max suction: 3 m Air consumption: 25 NL/min	Max 5 L/min (300 L/h) per module
Required water flow rate	2–10 L/min – Pressure 1–10 bar (set at 3 bar)	2 – 10 L/min	Min 20 L/min – Minimum pressure 3 bar
Flushing system	Integrated with centralized distributor	Built-in, with solution transport through water line and centralized distributor	Complete system with booster pump + 65 L tank

Injecta Remote

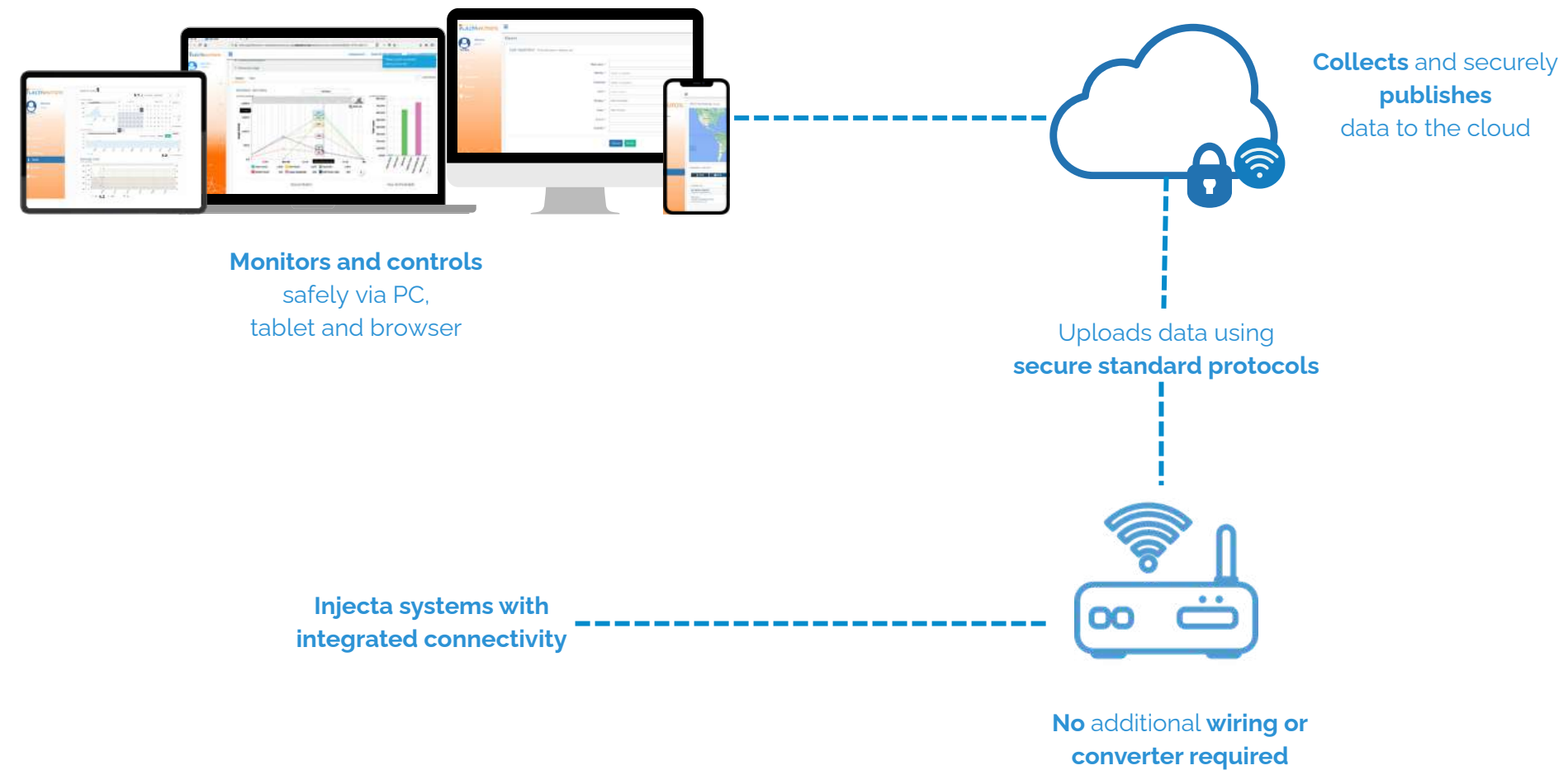
Injecta Remote is the advanced digital platform empowering users to monitor and control installations remotely, from any location globally.

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



Direct Connection



Some Injecta devices are equipped with built-in Wi-Fi and can connect directly to the **Injecta Remote** platform without needing external converters.

This technology enables immediate access through simple configuration of the local Wi-Fi network.

- No additional **wiring** or **hardware**
- **Quick** and **intuitive** installation
- **Immediate** integration into the company's **digital processes**



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