

DISHWASHERS

*Solutions for hygiene and sanitization of
kitchenware*



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 dishwashers

In the Ho.Re.Ca. sector, maintaining perfectly **clean** and **hygienically safe kitchenware** is essential to comply with regulations and ensure service quality.

Industrial dishwashers operate through a combination of **mechanical action, hot water, and specific chemical products**, however, only **strictly controlled and consistent dosing of detergents, rinse aids, and additives** ensures optimal and repeatable results.

Importance of chemical treatment

Professional Injecta dosing systems represents a fundamental preventive measure, as it reduces the buildup of limescale and deposits, limits component wear, and extends the service life of the equipment. Precise operation also **optimizes detergent and water consumption**, contributing to sustainable resource management. Hygienically clean and residue-free kitchenware guarantee food safety and reinforce **high quality perception**, adding value to operational facility.

Integrating high-precision dosing systems is therefore a strategic solution to **maintain efficiency, safety, and sustainability** in professional washing processes.



Internal peristaltic pumps

NY 6



Specifically designed for glasswashers and dishwashers

Materials	Silicone and Santoprene peristaltic tubes
Range	Flow rate: 1,8 lt/h Pressure: 100 kPa (1 bar - 14,5 psi)
Power supply	230 VAC 50Hz
Specifications	• Total head 10 m approx., • Max viscosity 10 mPa.s , • Tube life: up to 350 liters, • Duty cycle: 100% continuous, • Displacement per revolution: 166 ml, • Fittings Ø 4×6 mm, • Injection fittings: for detergent in steel tank / for rinse and rinse aid

NY 7



Materials	Silicone and Santoprene peristaltic tubes
Range	Flow rate: 2,5 lt/h Pressure: 100 kPa (1 bar - 14,5 psi)
Power supply	24 VDC
Specifications	• Total head 10 m approx., • Max viscosity 10 mPa.s , • Tube life up to 350 liters, • Duty cycle: 100% continuous, • Displacement per devolution: 50 ml, • Fittings Ø 4×6 mm, • Injection fittings: for detergent in steel tank / for rinse and rinse aid

DI.B01



Hydraulic diaphragm dosing pumps

Materials	Ceramic bottom filter Rinse injection kit (PP) PVC or PE high-pressure extension tubes
Range	Flow rate: 5 ml per cycle Pressure: 500 kPa (5 bar)
Operation	Hydraulic (via rinse pressure)
Specifications	Total head: 3 bar Liquid viscosity: 10 mPa.s

Internal peristaltic pumps

NKNV



Detergent	
Materials	Santoprene (6×10 mm)
Range	Flow rate: 3 l/h Pressure: 0,1 Bar Operating temperature: 10–50°C Storage temperature: –20 ÷ 60°C Displacement per revolution: 2,5 cc
Dosing	Timed
Power supply	230 Vac 50/60 Hz

NKNV



Rinse Aid	
Materials	Silicone (3×8 mm)
Range	Flow rate: 0,4 l/h Pressure: 3 Bar Operating temperature: 10–50°C Storage temperature: –20 ÷ 60°C Displacement per revolution: 0,7 cc
Dosing	Cyclic (ON-OFF)
Power supply	230 Vac 50/60 Hz

Accessories

Internal peristaltic pumps

STAINLESS STEEL FITTING FOR
DETERGENT INLET TO TANK



RINSE AID INJECTION FITTING



RINSE AID HOSE FITTING



NON-RETURN VALVE



RINSE INJECTION KIT (PP)



CERAMIC BOTTOM FILTER



Professional Hood-type dishwashers

Analogue peristaltic pumps

NIKE LP



Analogue dosing pump for detergent

Materials	Flame-retardant and acid-resistant Polypropylene housing Santoprene tube
Operation	Variable speed 10–100% (potentiometer) Protected ON/OFF switch

NIKE HP



Analogue dosing pump for rinse aid

Materials	Flame-retardant and acid-resistant Polypropylene housing Silicone tube
Operation	Variable speed 10–100% (potentiometer) Protected ON/OFF switch

NIKE CD



Analogue conductivity-controlled dosing pump for detergent

Materials	Flame-retardant and acid-resistant Polypropylene housing Silicone tube
Operation	Variable speed 10–100% (potentiometer) Protected ON/OFF switch

Professional Hood-type dishwashers

Digital peristaltic pumps

NIKE MB



Digital dosing pump for rinse aid

Materials	Flame-retardant and acid-resistant Polypropylene housing Santoprene tube
Operation	Variable speed 10–100% Protected ON/OFF switch

NIKE MD



Digital dosing pump for detergent

Materials	Flame-retardant and acid-resistant Polypropylene housing Santoprene tube
Operation	Variable speed 10–100% Protected ON/OFF switch

NIKE MC



Analogue conductivity-controlled dosing pump for detergent

Materials	Cassa in polipropilene ignifugo e antiacido Tubo in Silicone
Operation	Proportional band 1 mS OFA Alarms: - Level 1: OFA time 1–999 s, indication on display - Level 2: motor lockout + audible alarm - Level 3: OFA time = 0 (disabled) Manual temperature compensation

General overview – Analogue / Digital

	LP (120/180)	HP (030)	CD (120/180)
Application	Dishwashers with single solenoid valve	Dishwashers with single solenoid valve	Dishwashers with single solenoid valve
Flow rate	(LP120 0,54÷7,2 l/h/ LP 180 0,72÷10,8 l/h) + fixed version 4 l/h	0–1 l/h	(CD120 0,54÷7,2 l/h) (CD180 0,72÷10,8 l/h) Probe-controlled
Pressure	1 bar	3 bar (High pressure)	1 bar
Speed	10–100% (with potentiometer)	10–100%	Fixed (Probe-controlled)

	MD (120/180)	MB (030)	MC (120/180)
Application	Suitable for viscous liquids	Suitable for viscous liquids	Suitable for viscous liquids
Flow rate	(MD 120 Variable 0,54÷7,2 l/h MD 180 0,72÷10,8 l/h)	0 ÷1 l/h	(MC 120 Variable 0,54÷7,2 l/h MC 180 0,72÷10,8 l/h)
Pressure	1 bar	3 bar	1 bar
Speed	10–100%	10–100%	10–100% based on tank conductivity (range 0,2–101 mS)

Accessories

Peristaltic

STAINLESS STEEL FITTING FOR
DETERGENT INLET TO TANK



SANTOPRENE PERISTALTIC
TUBING 6X10 MM



RINSE AID HOSE FITTING



NON-RETURN VALVE



SILICONE PERISTALTIC TUBING
3X8 MM



CERAMIC BOTTOM FILTER



Professional Hood-type dishwashers

Dosing systems for industrial dishwashers

NK. SYSTEM 01



Compact automatic dispenser for detergent and rinse aid, equipped with two peristaltic pumps

Materials Glass fiber reinforced Polypropylene (PP) or ABS+15% GF, flame-retardant and chemically resistant

Power supply 24–115–230 Vac

NK. SYSTEM 01 S



Integrated peristaltic system

Materials Glass fiber reinforced Polypropylene

Operation Analog speed control from 15 to 100% by means of potentiometers

Power supply 24-115-230 Vac

- System
- Pumps
- Dosing
- Range
- Detergent Tube
- Rinse-aid Tube
- Advanced functions
- Included Kit

NK SYSTEM 01	NK SYSTEM 01 S
Analogue compact	Analogue compact
2 (detergent + rinse aid)	2 (detergent + rinse aid)
Analogue	Analogue by means of potentiometers
Detergent flow rate: 1–4 l/h Rinse-aid flow rate: 1 l/h	Detergent flow rate: 1–4 l/h/0,1 bar Rinse-aid flow rate: 1,0 l/h/ 3 bar
Santoprene	Santoprene / EPDM / Silicone
Silicone	Santoprene / EPDM / Silicone
Tunnel / First load	Manual priming, analogue speed control
Pumps, filters, detergent injector, non-return valve, tubes, bracket	2 peristaltic pumps, filters, detergent injector, non-return valve, suction and delivery tubes, 2×1.5 mm cable, bracket

Continuous load

Dosing systems for industrial dishwashers

NK. SYSTEM 03



Dosing system for professional dishwashers with integrated remote control

Materials	Glass fiber reinforced Polypropylene (PP) or ABS+15% GF, flame-retardant and chemically resistant
Power supply	Multi-voltage 100–240 Vac 50/60 Hz

NK. SYSTEM 07



Digital dosing system for industrial dishwashers

Materials	Glass fiber reinforced Polypropylene (PP) or ABS+15% GF, flame-retardant and chemically resistant
Power supply	Multi-voltage 100–240 Vac 50/60 Hz

NK. SYSTEM 06



Digital dosing system for industrial dishwashers

Materials	Glass fiber reinforced Polypropylene (PP) or ABS+15% GF, flame-retardant and chemically resistant
Power supply	Multi-voltage 100–240 Vac 50/60 Hz

General overview

	NK SYSTEM 03	NK SYSTEM 06	NK SYSTEM 07
System	Wi-Fi Digital	Digital microprocessor	Digital microprocessor
Pumps	2 (detergent + rinse aid)	2 (detergent + rinse aid)	3 (detergent + rinse aid + additive)
Dosing	Digital, with/ without CD probe	Proportional with conductivity probe	Proportional with conductivity probe
Range	Detergent flow rate: 1–9 l/h Rinse-aid flow rate: 0,2–1,5 l/h	Detergent flow rate: 1–12,5 l/h Rinse-aid flow rate: 0,15–2,5 l/h	Detergent flow rate: 0,1–9 l/h Rinse-aid flow rate: 0,3–1,5 l/h
Detergent Tube	Santoprene	Santoprene 6x10 mm	Santoprene 6x10 mm
Rinse-aid Tube	Silicone	Silicone 3x7 mm	Silicone 3x8 mm
Advanced functions	Remote monitoring, first load	Consumption monitoring, OFA	First load, descaler, operational statistics
Included Kit	Pumps, filters, detergent injectors, non-return valves, tubes, bracket, conductivity probe	Pumps, filters, detergent injectors, non-return valves, tubes, bracket, conductivity probe	Pumps, filters, detergent injectors, non-return valves, tubes, bracket, conductivity probe

Accessories

Dosing systems for industrial dishwashers

STAINLESS STEEL FITTING FOR
DETERGENT INLET TO TANK



RINSE AID INJECTION FITTING



RINSE AID HOSE FITTING



NON-RETURN VALVE



CONDUCTIVITY
PROBE



THERMOCOMPENSATED
INDUCTIVE PROBE



RINSE INJECTION KIT (PP)



CERAMIC BOTTOM FILTER

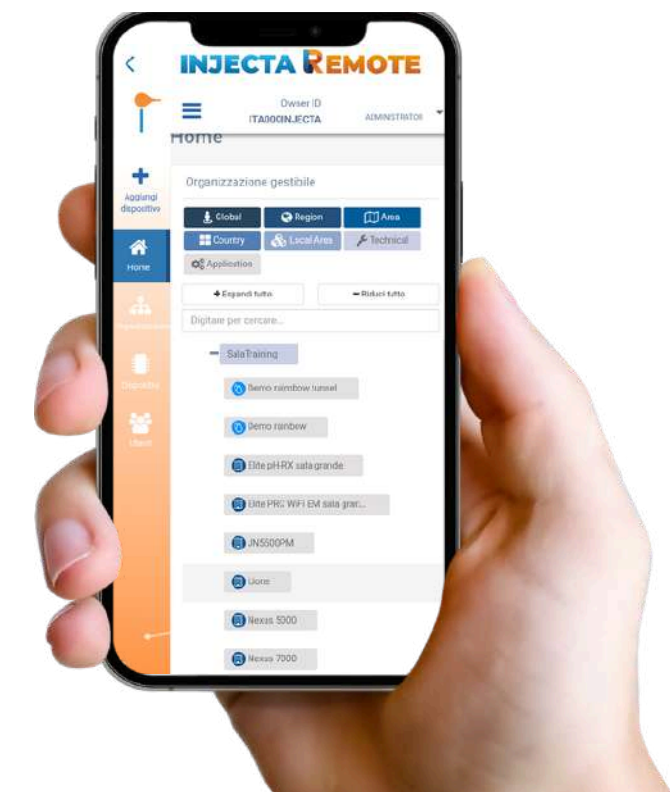


Injecta Remote

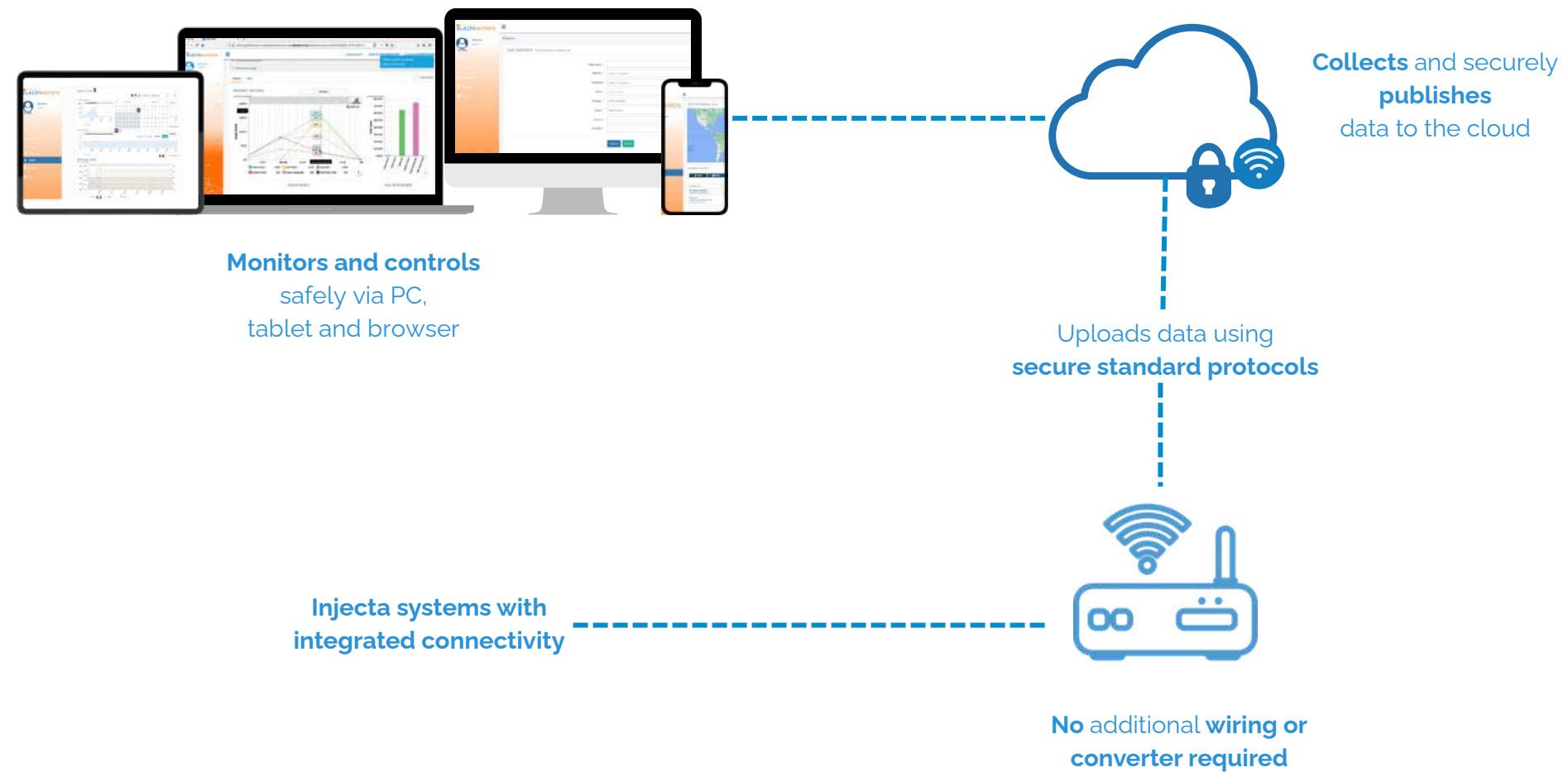
Injecta Remote is the advanced digital platform empowering users to monitor and control installations remotely, from any location globally.

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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