

DILUTION AND DISINFECTION

Professional hygiene solutions



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.**



Safety and environmental protection

In the **sanitization** and **disinfection** sector, the adoption of controlled chemical processes is essential to ensure safety, reliability, and regulatory compliance. Precise chemical dosing reduces the risk of microbial contamination, protecting operator health and ensuring the quality of treated systems and environments.

Importance of chemical treatment

The use of **automatic dilution systems** is a key tool for achieving uniform and repeatable results, optimizing **chemical usage**, and minimizing operator exposure to chemical or biological risks. These technologies also allow for process traceability and adherence to industry best practices.

The integrated **solutions** proposed by our company combine technological innovation, operational safety, and ease of use, offering effective **applications for water systems, industrial laundries, dishwashing, and high-criticality professional environments**.

Staff training, advanced control systems, and standardized procedures constitute the foundation for effective, safe, and sustainable chemical treatment, protecting people, facilities, and the quality of services offered.



Manual dilution and sanitization systems

DPL 03



Materials

Body: **Polypropylene** (PP) with high chemical resistance
Double seal O-rings available in: EPDM, FPM, Silicone

Dosing

Number of settings: **6**
Dosing range: **5 – 30 cc** per stroke
Adjustment: Rapid adjustment without opening the pump

**Connections
Tubing**

Tubing: 3/8"
Tube diameter:
Internal (ID): 10 mm – External (OD): 14 mm

DILUIT PLUS



Design and Customization

Customizable front panel (labels, pictograms, branding)

Range

Water pressure: 1 – 9 bar
Max water temperature: 70 °C
Backflow protection: ATS certified

Performances

4 L/min – bottle filling
16 – 30 L/min – bucket, jerry can, and scrubber-dryer filling

DILUIT FLEX



Design

New venturi design, reliable and stable at every pressure condition. Colour coded for flowrate identification

Range

Pressure: from 1 to 6 bar
Grey Venturi

- Flow rate: 4 l/min
- Dilution ratio: 2:1 - 350:1

Yellow Venturi

- Flow rate: 14 l/min
- Dilution ratio: 4:1 - 800:1

Performances

- 1 Product Filling
- 4 Product Filling Combo
- 4 Product Filling

Manual dilution and sanitization systems

DOSI BOX



Design and Customization

Plastic or metal locks, colored caps, and customizable labels

Dosing

Number of settings: **6**
Dosing range: **5 – 30** cc per dose
Rapid stroke adjustment

Versions

Container capacity: **5L** or **2 × 2.5L**
Expandable system with additional units for multi-product dosing

DILUIT BOX



Design and Customization

High resistance and chemically compatible **ABS**
Customizable front panel (labels, pictograms, branding)
Plastic or metal key

Versions

Container capacity: **5 L**, **2 × 2 L**, **3 × 1 L**
Expandable system with additional units for multi-product dosing

Manual dilution and sanitization systems

DOSI PRO



Dosing

Water/chemical mixing with controlled precision
Configurations: **single** or **dual** product system

Range

Max water temperature: 60 °C
Working pressure: 1.5 – 6 bar
Safety Backflow protection: ASSE1055 /
UPC certified

Performances

4 L/min – bottle filling
16 – 30 L/min – bucket, jerry can, and
scrubber-dryer filling

JET NEAT



Materials

Body: Polyethylene
Pump: Santoprene or Viton

Range

Water/Air Pressure: 1.8 – 6 bar
Temperature: 50 °C
Dilution ratio: 1:10 – 1:250

Operating mode

- Automatic mixing of concentrate only at the point of use
- ON/OFF functions controlled by trigger lever
- Adjustable spray: wide fan or powerful solid stream

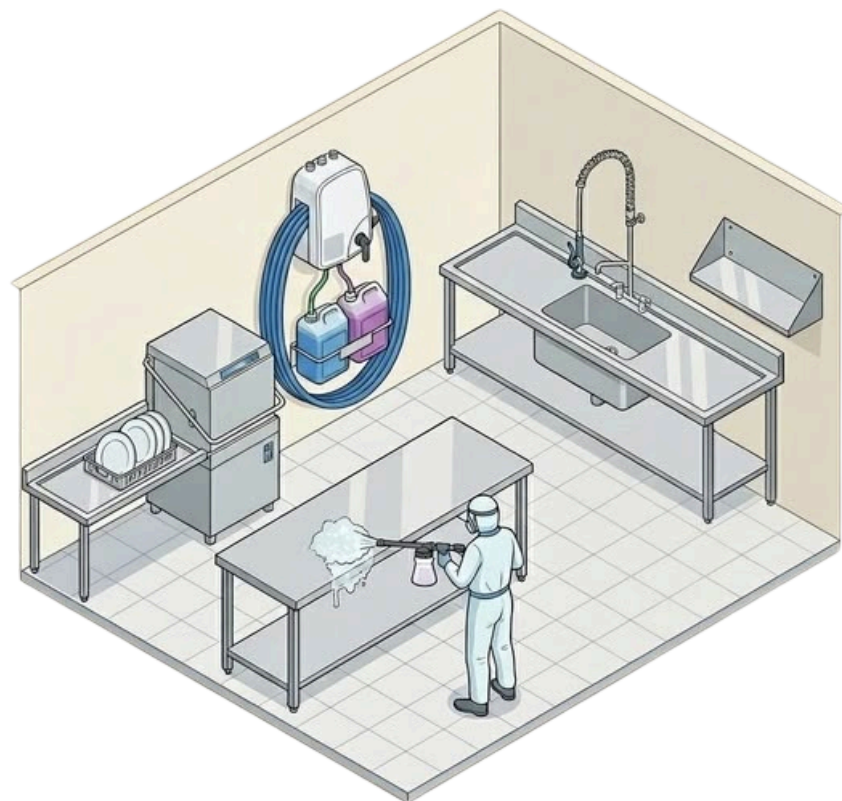
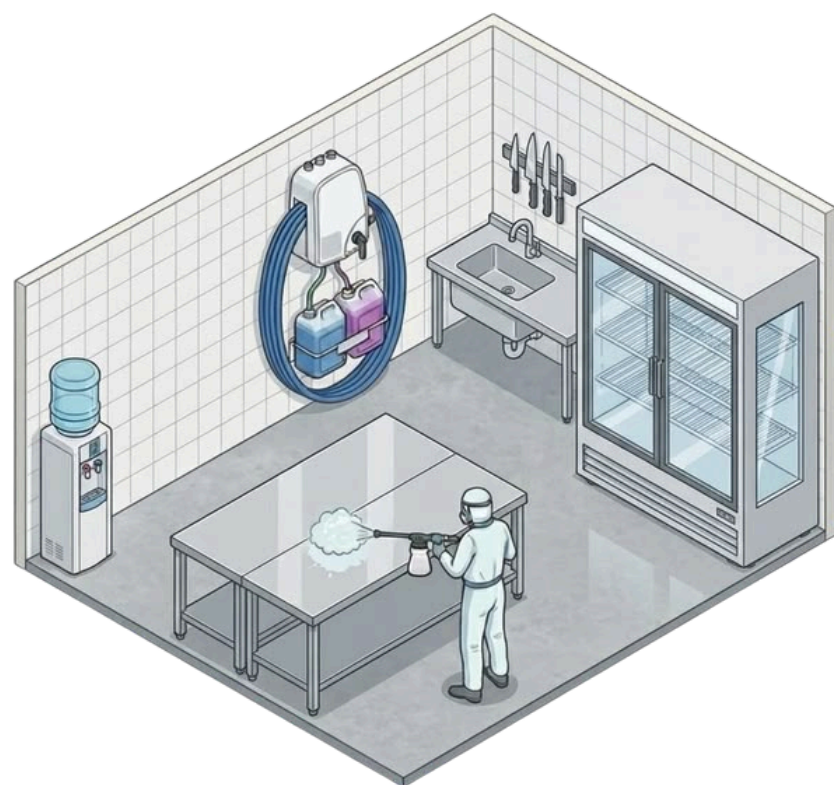
Accessories

Calibrated nozzle
Spray nozzle
Spray gun / lance

Versions

1.4 liters
2.5 liters

Workplace sanitization systems



Adopting sanitation systems in professional environments ensures high hygiene standards and compliance with **HACCP** regulations.

Wall-mounted stations with **automatic dosing** guarantee precise chemical dilution, reducing errors, waste, and risks for the operator. Intuitive management of the **cleaning, disinfection, and rinsing** phases optimizes workflow and improves overall operational safety.

Automatic dilution/disinfection system

WASH PLUS



Materials

Peristaltic Tubes: Silicone and Santoprene

Range

Up to 50°C
2 to 6 bar
7 l/min

Power Supply

24 VDC

Dosing

- 1 or 2 chemicals (wash and rinse)
- 1 or 2 chemicals (wash, rinse, and sanitization)
- Venturi system with no moving parts

WASH PLUS



Materials

Peristaltic Tubes: Silicone and Santoprene

Range

Up to 50°C
2 to 6 bar
7 l/min

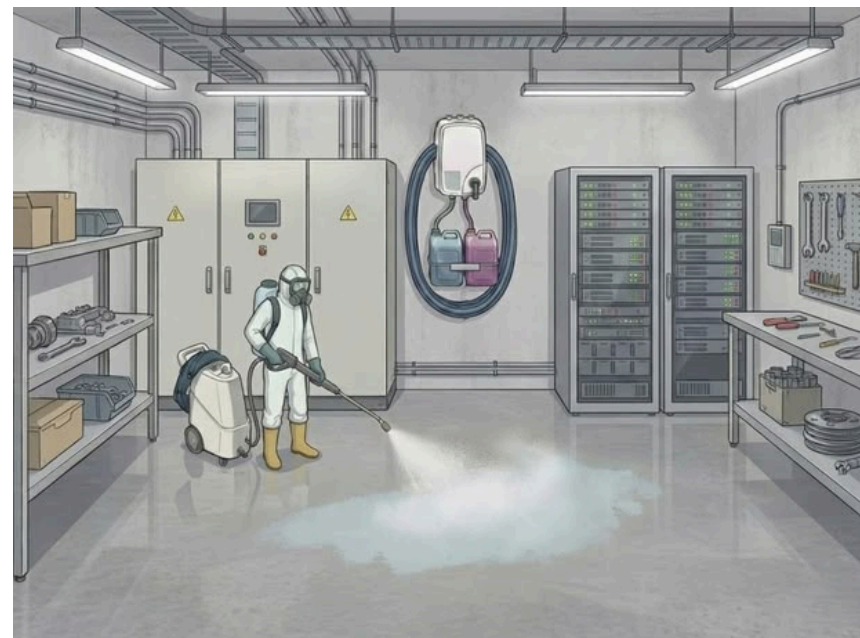
Power Supply

24 VDC

Dosing

- 1 or 2 chemicals (wash and rinse)
- 1 or 2 chemicals (wash, rinse, and sanitization)
- Venturi system with no moving parts

Workplace sanitization systems



In **industrial** settings, the use of **sanitation equipment** provides an effective solution for maintaining **high hygiene and safety standards**.

Controlled dosing units guarantee the **correct dispensing of detergents and sanitizers**, ensuring standardized processes, reducing operator exposure, and optimizing chemical product management.

Foaming systems

FOAM SYSTEM



Dry foam with rinsing	
Temperature	Up to 50 °C
Range	Water pressure: 2–6 bar Compressed air pressure: 2–6 bar (optimal 3.5 bar) Dilution ratio: 19–22 %
Accessories	The station is equipped exclusively with the foam lance Pressure gauges for water and compressed air included

FOAM SYSTEM



Dry foam without rinsing	
Temperature	Up to 50 °C
Range	Water pressure: 2–6 bar Compressed air pressure: 2–6 bar (optimal 3.5 bar) Dilution ratio: 19–22 %
Accessories	The station is equipped exclusively with the foam lance Pressure gauges for water and compressed air included

MULTI CLEAN



Dry foam with rinsing and spraying	
Temperature	Up to 50 °C
Range	Water pressure: 2–6 bar Compressed air pressure: 2–6 bar (optimal 3.5 bar) Dilution ratio: 1–22 %
Accessories	The station is equipped exclusively with the foam lance Pressure gauges for water and compressed air included

JET FOAMER



Mobile foam generator	
Materials	Body: polyethylene Pump: Santoprene or Viton
Versions	40 L o 90 L
Operating mode	with pre-mixed solution
Pressure	2.7 - 5.5 bar (40 - 80 psi)
Accessories	Ball valve Nozzle in AISI 304/316



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