

dosiper

Dosing systems



1. DISHWASHING

SINGLE PUMPS	4
DOUBLE PUMPS	6
TRIPLE PUMPS	9

2. OTHER USES

CAR WASH	11
ENZYME DOSING PUMPS	11

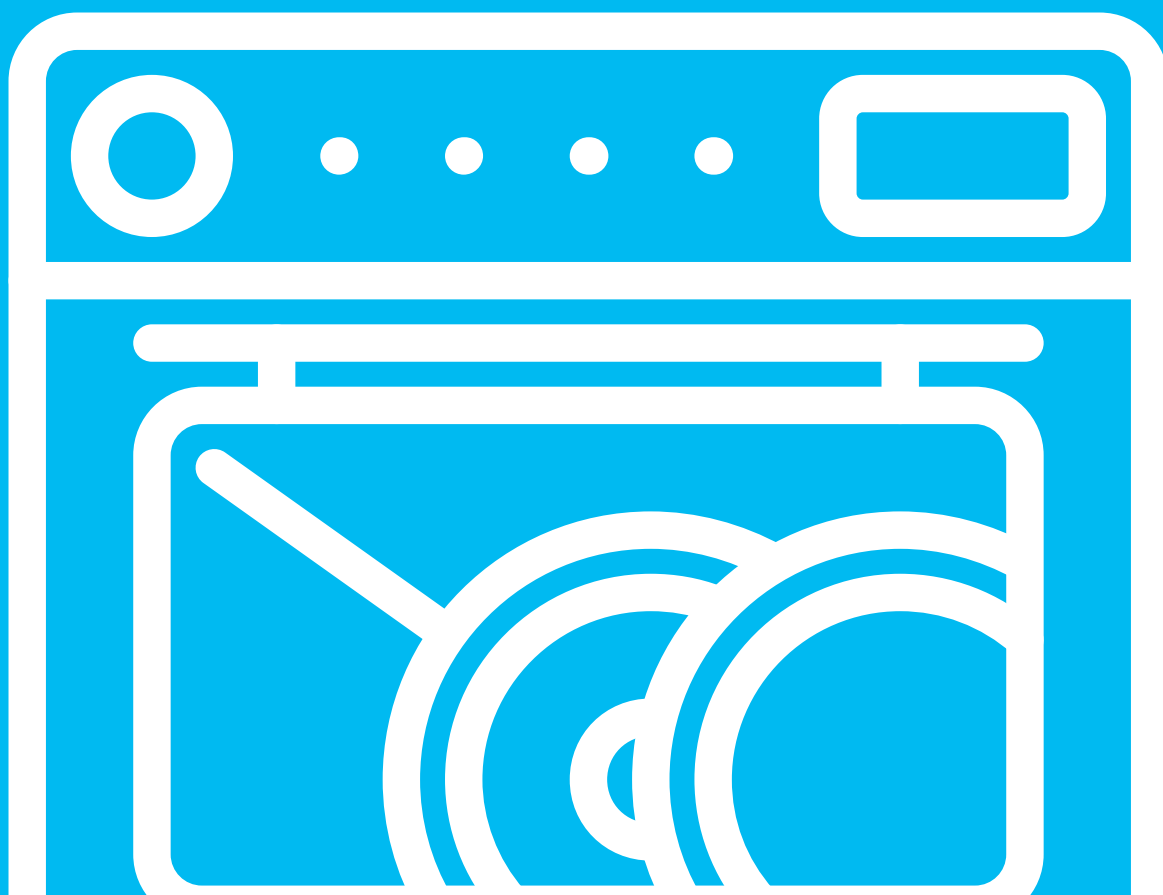
3. LAUNDRY

DOSING SYSTEMS FOR ONE WASHER EXTRACTOR	14
CHEMICAL PRODUCTS DOSING SYSTEM FOR SEVERAL WASHER EXTRACTORS	17
CONTINUOUS BATCH WASHER	22
COMMUNICATION	23
ACCESSORIES	25
COMPLEMENTARY PRODUCTS	27

4. DISINFECTION SYSTEMS

DILUTION SYSTEMS	29
DISINFECTION SYSTEMS	30

1. DISHWASHING



1. DISHWASHING SINGLE PUMP

Peristaltic dosing pumps for chemical products in dishwashing

DOSIPER SERIES

SR Fixed flow rate pump

Models for detergent pumps:

C1R Adjustable flow rate with speed control

C2R Adjustable flow rate with speed control in filling and rinsing cycle

T1R Adjustable timer control

T2R Timer control in filling and rinsing cycle

T1MP Timer control with start/stop mode

C.CDT Conductivity control

CRD Digital adjustment of time and flow rate

Models for rinse aid:

AC1R Adjustable flow rate with speed control

AT1R Adjustable timer control

AT1MP Timer control with start/stop mode

ACRD Digital adjustment of time and flow rate



ACCESSORIES

STAINLESS STEEL



Detergent connector

PP



PVDF



Filter



Peristaltic tubes

1. DISHWASHING SINGLE PUMP

Peristaltic dosing pumps for chemical products in dishwashing

DISTANCE SERIES

D1P Model

- With potentiometer speed control

D1RF Model

- Wireless adjustable flow rate using radio frequency communication
- Universal remote control to adjust the flow rate of the pumps. An unique code is Factory preset code is factory preset to each customer
- Without screws to avoid the need for special tools
- Possibility to block the dosing process remotely



ACCESSORIES



Rinse aid injector



SC-2E
Connection system for 2
solenoid valves



Rinse aid "T"



M-3000
Rinse aid hydraulic
dispenser

1. DISHWASHING DOUBLE PUMPS

Peristaltic dosing pumps for detergent and rinse aid in dishwashing

DDA SERIES

DDA AV Adjustable detergent and rinse aid flow rate with speed control. Dosing control using filling and rinsing signals. Double adjustable detergent flow rate

DDA AV LEV Adjustable detergent and rinse aid flow rate with speed control. Dosing control using filling and rinsing signals. Double adjustable detergent flow rate. Includes level probe for lack of product

DDA AT Adjustable detergent and rinse aid flow rate with speed control; rinse aid is also timer control adjustable. Dosing control using filling and rinsing signals. Double adjustable detergent flow rate during filling and rinsing cycle. Rinse aid can be injected when the dishwasher signal is activated or deactivated

DDA AT LEV Adjustable detergent and rinse aid flow rate with speed control; rinse aid is also timer control adjustable. Dosing control using filling and rinsing signals. Double adjustable detergent flow rate during filling and rinsing cycle. Rinse aid can be injected when the dishwasher signal is activated or deactivated. Includes level probe for lack of product

DDA CD Adjustable detergent flow rate through a conductivity probe and adjustable rinse aid flow rate through a solenoid valve signal

DDA CD LEV Adjustable detergent flow rate through a conductivity probe and adjustable rinse aid flow rate through a solenoid valve signal. Includes level probe for lack of product



ACCESSORIES



Conductivity probe



Inox Filter



ALTERNATIVES



DDA/P

Rinse aid electromagnetic actuator

1. DISHWASHING DOUBLE PUMPS

Peristaltic dosing pumps for detergent and rinse aid in dishwashing

DDS SERIES

- Includes microprocessor to full digital programming
- Operation statistics
- High resolution display for programming operation parameters

DDS EV Adjustable detergent and rinse aid flow rate. Detergent flow rate can be adjusted during filling and rinsing cycle. Dosages activated through solenoid valve signals (24Vdc-220Vac)

DDS EV LEV Includes level probe for lack of product

DDS CD Adjustable detergent flow rate through a conductivity probe and rinse aid flow rate through solenoid valve signals

DDS CD LEV Includes level probe for lack of product

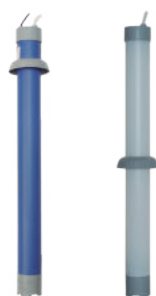
DDS REMOTE WiFi remote control through **LAVnetREMOTE**. Product flowmeters for high accuracy dosages. Pump calibration capability. Complete consumption and alarm records



ACCESSORIES



Inductive Probe



THOR 4x6
with/without level



Bag-in-Box
capacitive sensor



Flowmeter

ALTERNATIVES



DDS/P
Rinse aid electromagnetic actuator

1. DISHWASHING DOUBLE PUMPS

Peristaltic dosing pumps for solid detergent and rinse aid in dishwashing

DDS CD SERIES for solid detergent

- Includes microprocessor to full digital programming
- Operation statistics
- Solid detergent dosing control by conductivity and rinse aid by dishwasher signals
- BOWL to dilute and inject the solid detergent into the dishwasher



ACCESSORIES



Detergent connector

ALTERNATIVES



SOLUX CD
Solid detergent single pump
by conductivity

1. DISHWASHING TRIPLE PUMPS

Peristaltic dosing pumps for solid detergent and rinse aid in dishwashing

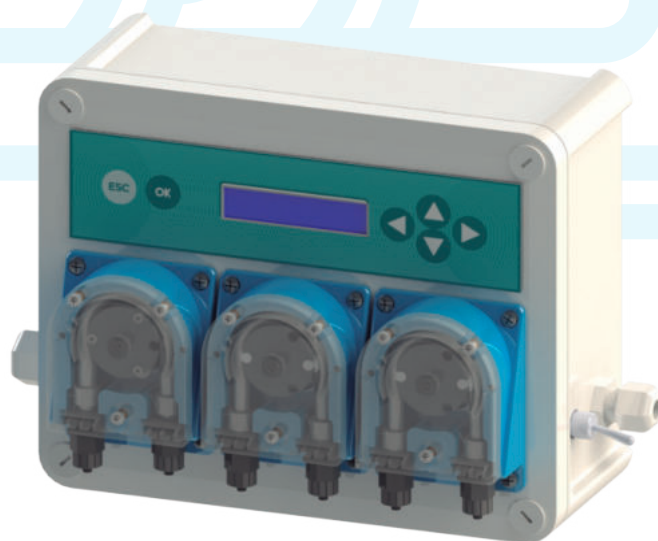
TRIPLE-DS SERIES

- Pump calibration programming dose in volume
- Optionally with product flowmeters for greater dosing accuracy
- Possibility of installing a third configurable pump for dosing detergent or rinse aid

TRIPLE-DS EV Adjustable detergent and rinse aid flow rate. Detergent flow rate can be adjusted during filling and rinsing cycle. Dosages activated through solenoid valve signals (24Vdc-220Vac)

TRIPLE-DS CD Adjustable detergent flow rate through a conductivity probe and rinse aid flow rate through solenoid valve signals

TRIPLE-DS P With electromagnetic actuator on pump 2 for dosing rinse aid



ACCESSORIES



Inductive Probe



THOR 4x6
with/without level



Bag-in-Box
capacitive sensor



Flowmeter

2. OTHER USES



2. OTHER USES

Car Wash

VCO Electromagnetic dosing pump for detergent/wax

RAC Pneumatic dosing pump for detergent/wax



VCO



RAC

ACCESORIES



Filter



Injection fitting

Enzyme dosing pumps

SERIE HORUS

- Daily/weekly/hourly programmer for the activation of the peristaltic pump
- Up to 20 memory locations (10 turning on/10 turning off)

HORUS-I

- Internal timer
- 230Vac or batteries power supply



2. OTHER USES

Enzyme dosing pumps

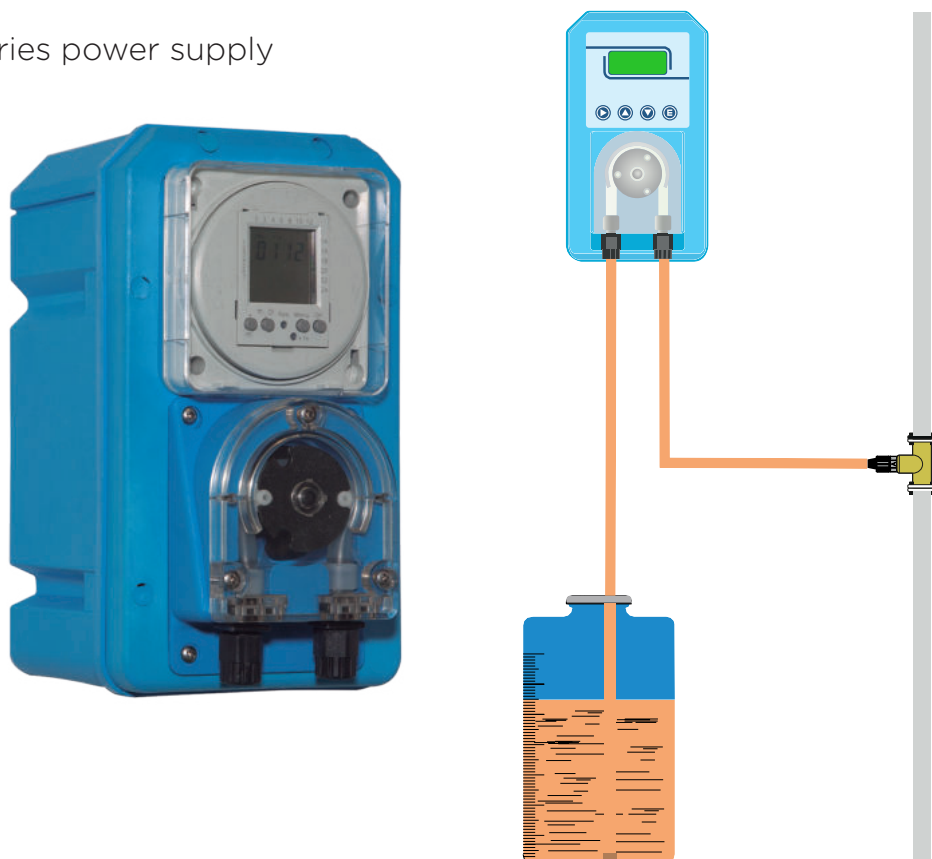
HORUS-SOLAR

- External timer
- Solar panel power supply
- Battery status LED

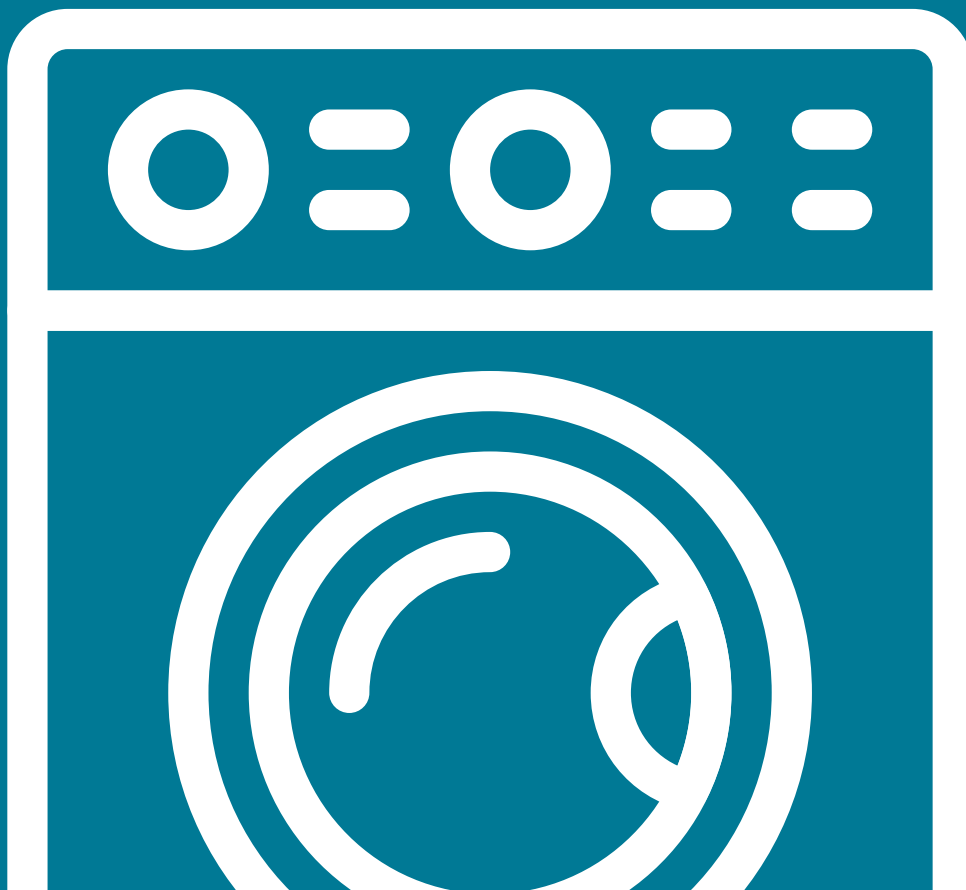


HORUS-E

- External timer
- 230Vac or batteries power supply



3. LAUNDRY

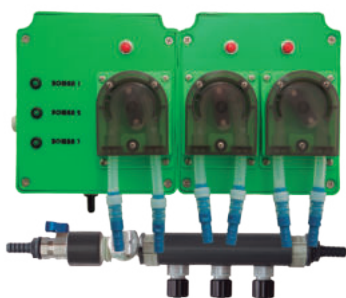


3.LAUNDRY DOSING SYSTEMS FOR ONE WASHER EXTRACTOR

System for washers with digital programmer

ECODOT SERIES

Dosing relay system with microprocessor for one washer extractor. It is possible to configure the water flushing time. Signal voltage range from 24V to 230V



DDLAV SERIES

Electronic dosing system with display to program all the parameters of the equipment. Possibility to dose 2 different products by time controlled by 2 independent signals



TRITON SERIES

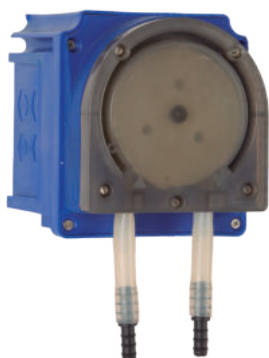
- Dosing system for one washer extractor with an optimized management
- Improved menu design to speed up the start-up process of the equipment
- Direct or remote communication to perform the programming process or extract data
- **LAVnet** and **LAVnet REMOTE** management software
- Up to 4 pumps and 30 formulas control
- Available flow rates: 10 and 20 l/h



Timer adjustable system

DOT SERIES

Timer adjustable dosage (0 to 255 sec.) activated by one signal between 24V and 230V



DOT DOBLE SERIES

Includes two timer adjustable dosing pumps (0 to 255 sec.) activated by two signals between 24V and 230V

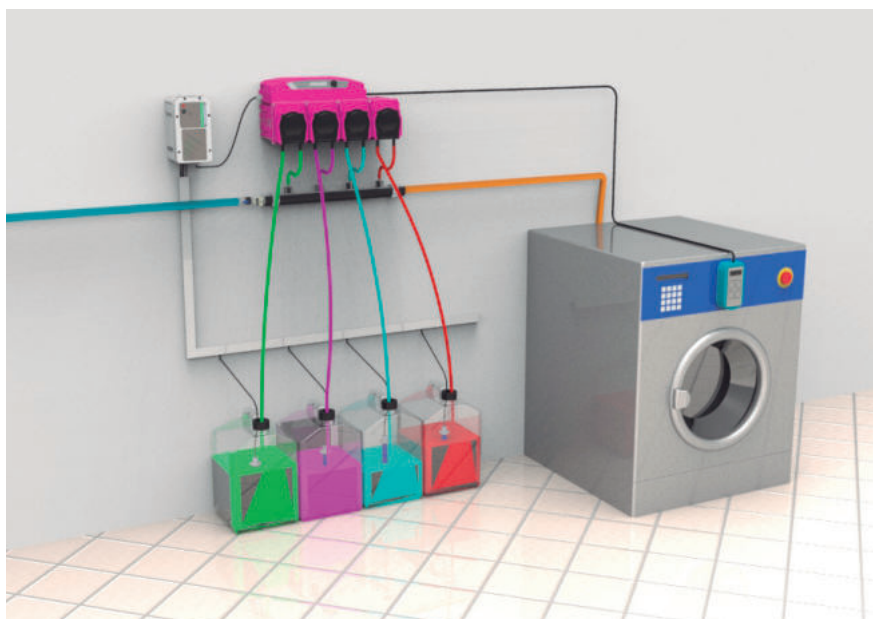


3.LAUNDRY DOSING SYSTEMS FOR ONE WASHER EXTRACTOR

Chemical products dosing system for one washer extractor

CORAL SERIES

- Dosing system for one washer extractor with an optimized management
- With programming/display unit or **Hand Held Pro** unit to manage all the equipments
- Direct or remote communication to perform the programming process or extract data
- **LAVnet** and **LAVnet REMOTE** management software
- Up to 8 pumps and 30 formulas for each washer extractor
- Available flow rates: 25l/h, 40l/h, 60l/h, 70l/h, 90l/h, 100l/h and 120l/h.
Optional: 200l/h and 400l/h

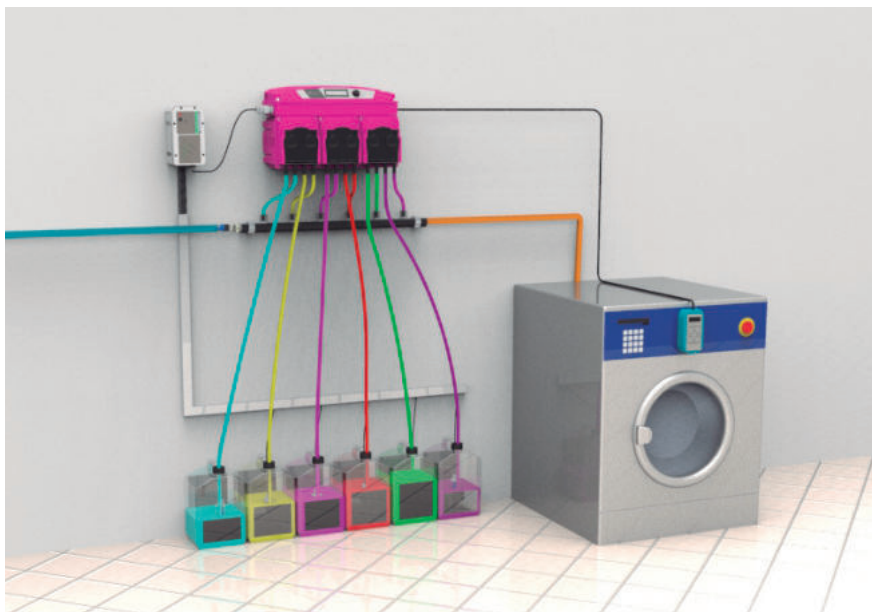


3.LAUNDRY DOSING SYSTEMS FOR ONE WASHER EXTRACTOR

Chemical products dosing system for one washer extractor

MEDUSA SERIES

- Dosing system for one washer extractor with an optimized management
- With programming/display unit or **Hand Held Pro** unit to manage all the equipments
- Direct or remote communication to perform the programming process or extract data
- **LAVnet** and **LAVnet REMOTE** management software
- Up to 8 pumps and 30 formulas for each washer extractor
- Available flow rates: 20l/h and 40l/h



3.LAUNDRY DOSING SYSTEMS FOR SEVERAL WASHER EXTRACTORS

Chemical products dosing system for several washer extractors

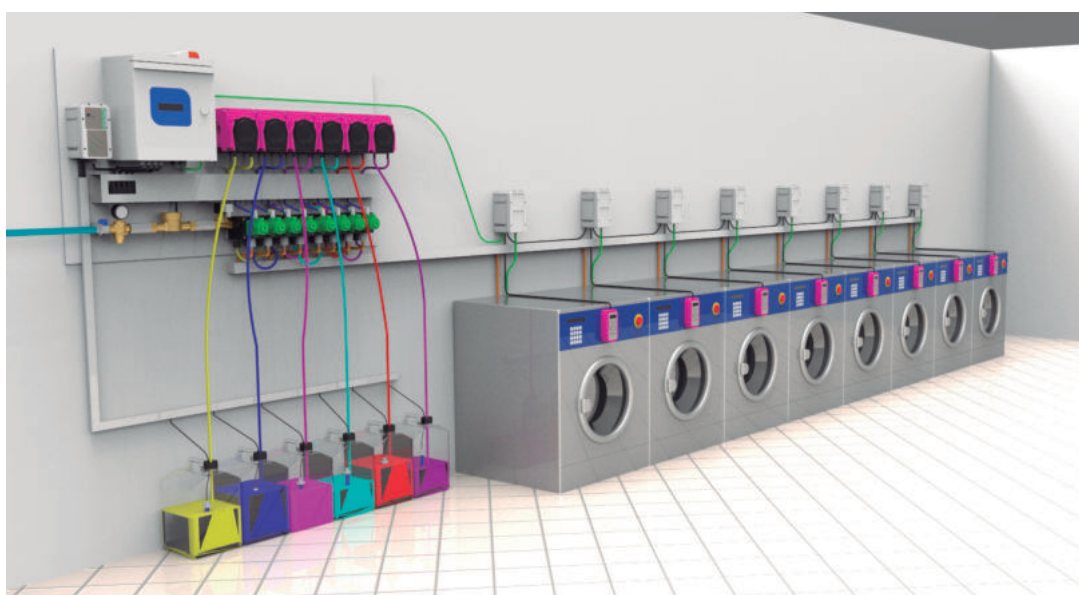
MULTILAV SERIES

- Centralized dosing system to control up to 8 washer extractors
- Up to 8 pumps and 30 formulas for each washer extractor
- Possibility of 1 or 2 manifolds installation
- Direct or remote communication to perform the programming process or extract data
- **LAVnet** and **LAVnet REMOTE** management software
- Available peristaltic pump flow rates: 25l/h, 40l/h, 60l/h ,70l/h, 90l/h, 100l/h, 120l/h, 200l/h and 400l/h

** Available with electromechanical and pneumatic pumps*



**Optional touchscreen*

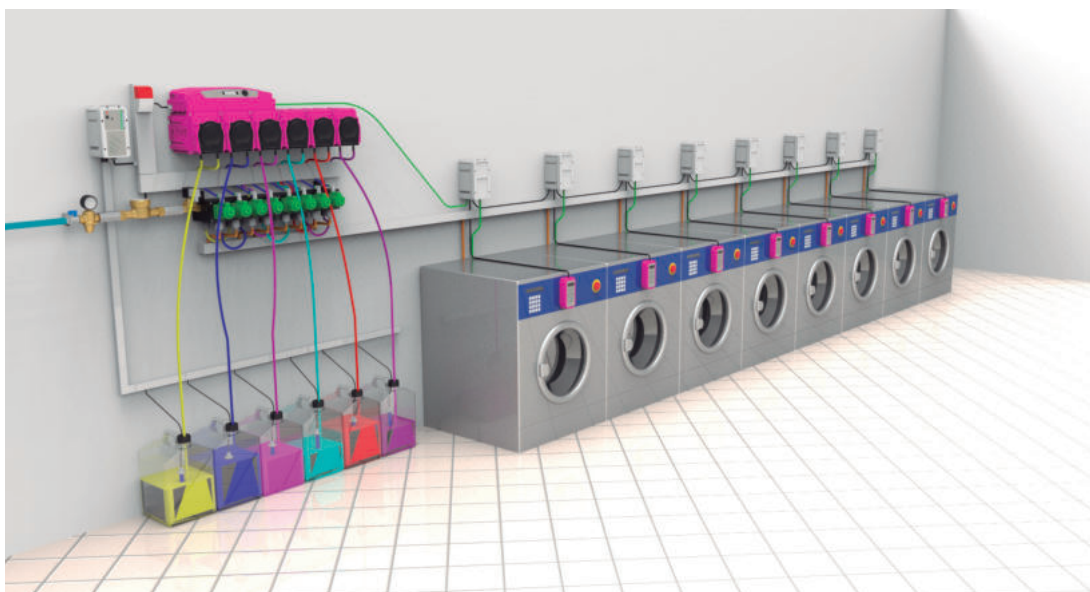


3.LAUNDRY DOSING SYSTEMS FOR SEVERAL WASHER EXTRACTORS

Chemical products dosing system for several washer extractors

PRIME MULTILAV SERIES

- Compact centralized dosing system to control up to 8 washer extractors
- Up to 8 pumps and 30 formulas for each washer extractor
- Single chemical manifold
- Direct or remote communication to perform the programming process or extract data
- **LAVnet** and **LAVnet REMOTE** management software
- Available peristaltic pump flow rates: 25l/h, 40l/h, 60l/h, 70l/h, 90l/h, 100l/h and 120l/h

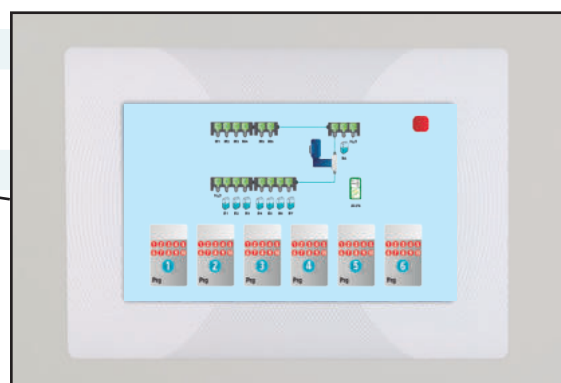


3.LAUNDRY DOSING SYSTEMS FOR SEVERAL WASHER EXTRACTORS

Chemical products dosing system for several washer extractors

MONOBOMBA SERIES

- Centralized dosing system to control up to 6 washer extractors with only 1 pump
- Automatic cleaning system for the product suction manifold
- High-flow water flushing inlet
- Volumetric product dosing using a flowmeter
- 8 liquid products or 7 liquid products plus a diluted solid product
- 30 formulas for each washer extractor
- Direct or remote communication to perform the programming process or extract data
- **LAVnet** and **LAVnet REMOTE** management software



**Optional touchscreen*

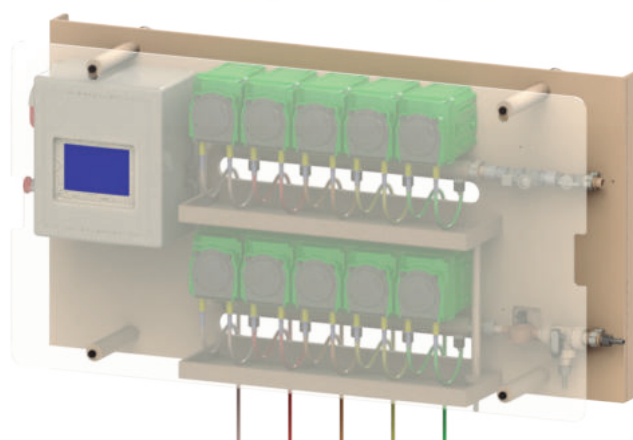
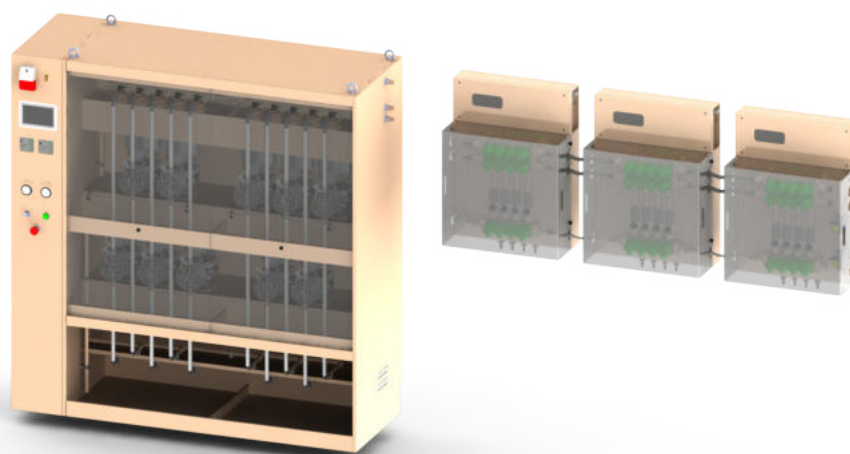


3.LAUNDRY DOSING SYSTEMS FOR SEVERAL WASHER EXTRACTORS

Chemical products dosing system for several washer extractors

MULTILAV 15 SERIES

- MULTILAV 15 is a centralized system for dosing up to 15 chemical products in up to 15 washer extractors, with one pump per product
- Control of up to 15 pumps and up to 30 formulas for each washer extractor
- Wide range of flow rates: 25, 40, 60, 70, 90, 100, 120, 200 y 400 l/h
- Possibility of 1 or 2 flushing manifolds water+air
- Mounted on a robust PP structure with high resistance to chemical attack
- Integrated touch screen for better viewing and ease of use
- Direct communication with PC software for total equipment management: **LAVnet**, or remote communication via Wi-Fi module with **LAVnet REMOTE** (management web) which allows programming, data extraction and performance monitoring

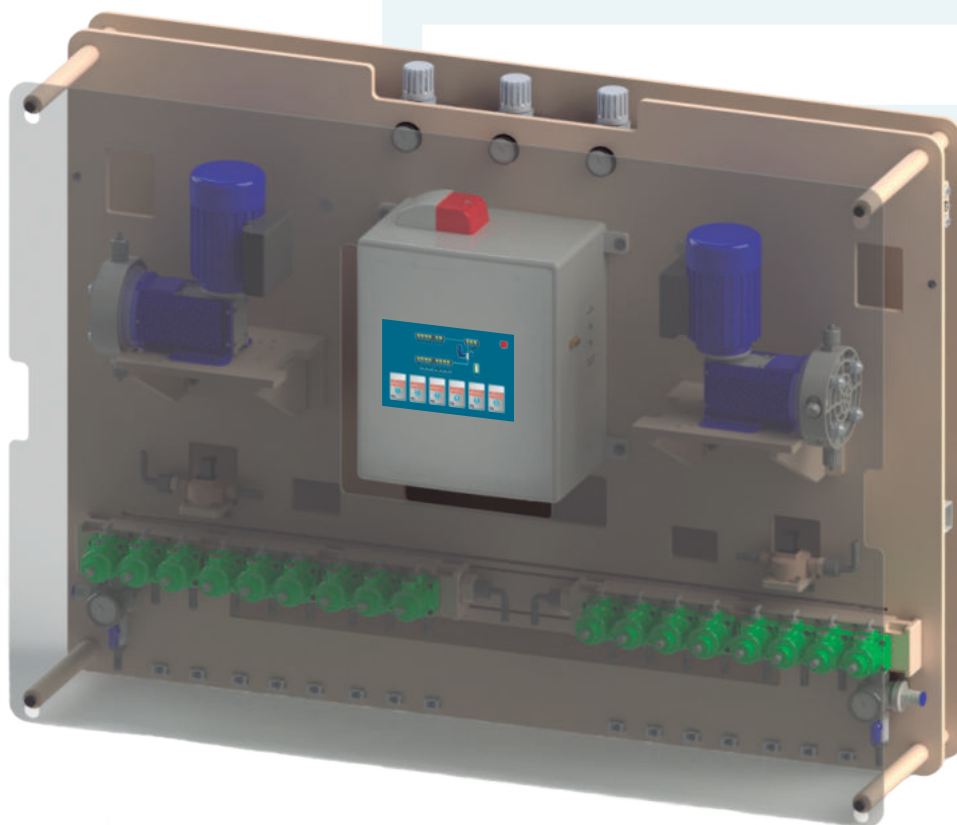


3.LAUNDRY DOSING SYSTEMS FOR SEVERAL WASHER EXTRACTORS

Chemical products dosing system for several washer extractors

BIBOMBA SERIES

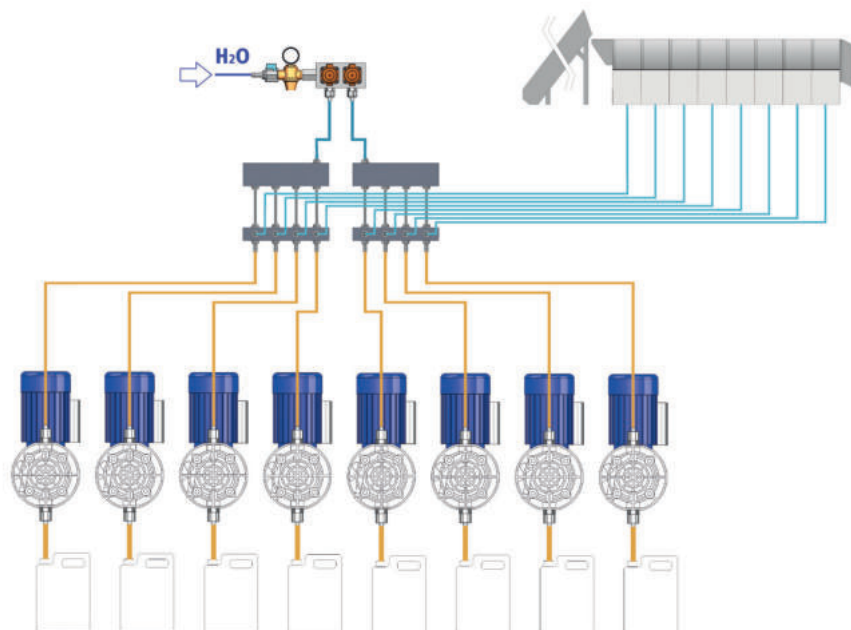
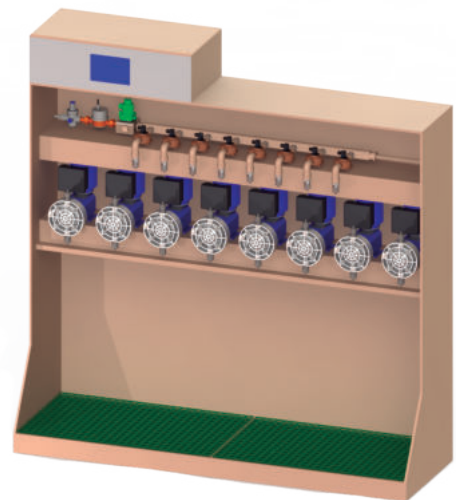
- BIBOMBA is a centralized system for dosing up to 15 chemical products in up to 15 washer extractors. Optionally, it has two pumps for dosing chemical products that can be divided into two manifolds with simultaneous dosing
- Wide range of flow rates: 25, 40, 60, 70, 90, 100, 120, 200 and 400 l/h
- Possibility of configuring each product for each manifold
- Mounted on a robust PP structure with high resistance to chemical attack
- Integrated touch screen for better viewing and ease of use
- Direct communication with PC software for total equipment management: **LAVnet**, or remote communication via Wi-Fi module with **LAVnet REMOTE** (management web) which allows programming, data extraction and performance monitoring



3.LAUNDRY CONTINUOUS BATCH WASHER

ORION SERIES

- Centralized dosing system for tunnel washers
- Up to 8 chemical product pumps
- Relay working mode or configurable to manage up to 30 formulas
- Optional integrated flushing system
- Direct or remote communication to perform the programming process or extract data
- **LAVnet** and **LAVnet REMOTE** management software



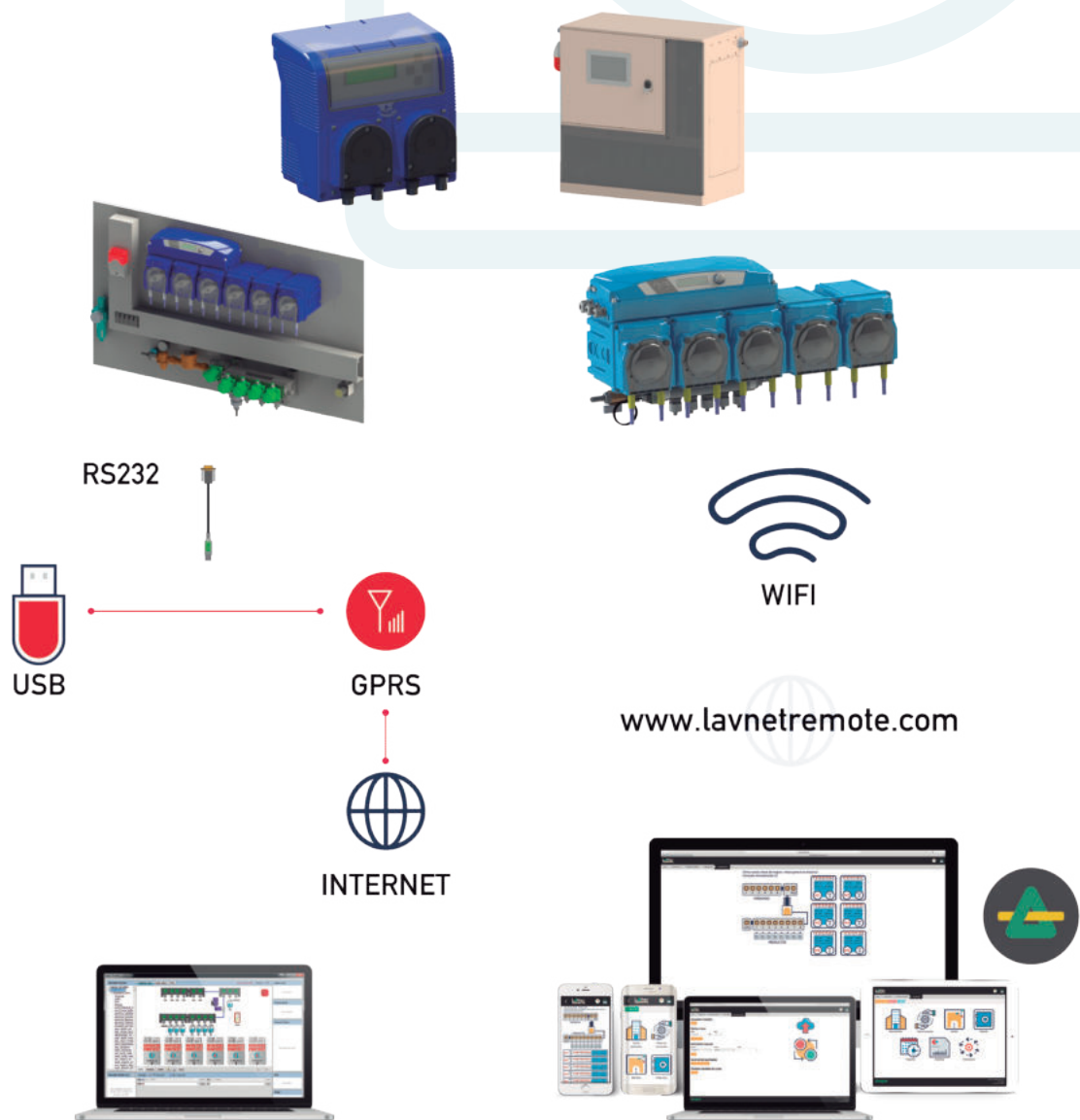
3.LAUNDRY COMMUNICATION

LAVnet & LAVnet REMOTE

LAVnet and **LAVnet REMOTE** tools allows managing **DDS REMOTE, DDS SOL, TRIPLE-DS, CORAL, MEDUSA, MULTILAV, MONOBOMBA, PRIME MULTILAV, MULTILAV 15, BIBOMBA, TRITÓN** and **ORIÓN** systems

- Direct or remote communication
- Real-time reading and modification of parameters
- Consumption statistics and cost per formula, washer...
- Identification of alarms and events
- Several password protected access levels

LAVnet REMOTE is a cloud-based communication system compatible with any device



LAVnet

**LAVnet
REMOTE**

3.LAUNDRY ACCESORIES

PERISTALTIC TUBES

EPDM, Silicone, Santoprene, Viton...



FLUSHING MANIFOLDS

FLUTE LC



FLUTE N



Controller

Hand Held Pro

Controller to set up **CORAL** and **MEDUSA** systems



Formula selector

Valik

Controller to select the desired washer formula in **CORAL, MEDUSA, ORION, TRITON, PRIME, MULTILAV** and **MONOBOMBA** systems



Valik Pro

Controller to select the desired washer formula in **CORAL, MEDUSA, ORION, TRITON, PRIME, MULTILAV** and **MONOBOMBA** systems

Possibility to modify the total kg of clothing to wash in every cycle

Washing formulas fully customizable



3. LAUNDRY COMPLEMENTARY PRODUCTS

LEON SERIES

Electromechanical diaphragm pumps

- PTFE diaphragm
- PP or PVDF pump head
- Available flow rates: 20l/h, 25l/h, 50l/h and 110l/h * *Higher flow rates upon request*



H SERIES

Pneumatic diaphragm pumps

- PTFE diaphragm and O-rings
- H205-** 1/4" connection
- H515-** 1/2" connection



TMLAV SERIES

TMLAV-1R Adjustable flow rate with speed control

TMLAV-T1R Adjustable flow rate with speed and timer control

TMLAV-1S Adjustable flow rate with speed and timer control. Fixed inhibiting signal time upon request

TMLAV-T1MP Adjustable flow rate with speed control. Timer control with start stop mode

TMLAV-T2MP Separate start and stop steps configuration. Without speed control



BGC SERIES

High-flow peristaltic pump

- Available flow rates: 100l/h, 200l/h and 400l/h



3.LAUNDRY COMPLEMENTARY PRODUCTS

ALV8 SERIES

- Tank level alarm for up to 8 products
- Lack of product LEDs and acoustic alarm

ALV8-LC Stand-alone alarm without serial communication with dosing systems

ALV8-SERIAL To connect to **CORAL, MEDUSA, ORION, PRIME, MULTILAV** and **MONOBOMBA** systems. It allows the communication and recording of lack of products



DRAGUA SERIES

- Tank with constant water reserve to guarantee proper flushing and manifold cleaning
- Compact equipment with automatic filling and water booster



SUCTION LANCES

THOR, LOKI, HELA, TYR and FRIGA

- Suction lances with or without level sensor. Available with 1, 2, 3 or 4 outlets
- Several lengths: 45cm, 60cm, 90cm, 120cm. Other lengths upon request



3.LAUNDRY COMPLEMENTARY PRODUCTS

DILUMATIC SERIES

- Tank for diluted solid detergent
- Using the built-in PLC it is possible to program the volumetric water filling, the precise detergent dilution and the operation of the mixer
- Minimum, maximum and overflow safety alarms
- Available tanks: 300, 500 and 1.000 litres



Option 1



Option 2

TEJO SERIES

- Compact system with a hopper to add directly the solid detergent to the washer extractor. The detergent is previously mixed with water
- Built-in PLC to manage all the components, dosage sequence and subsequent flushing
- Available hopper capacities: 30Kg and 60Kg



4. DISINFECTION SYSTEMS



4. DISINFECTION SYSTEMS

Dilution systems

DILUTRONIC SERIES

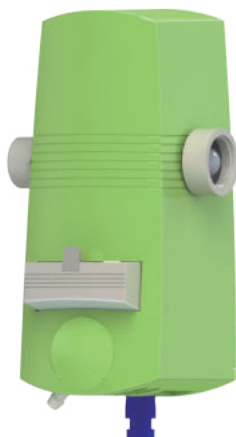
Digital dosing system with integrated microprocessor to dose one product just by pushing a button. 2 or 3 push-buttons to program all the possible dosing injections



MISCER SERIES

- Dilution device for concentrated chemical products
- Up to 4 chemical products
- Available for bucket and bottle filling
- Adjustable dosage through metering tips of different colours to identify the nominal dilution rate
- Special PVDF version for aggressive chemical products
- Connection system to attach several devices to each other

MISCER 1C / MISCER 1B
For 1 product



MISCER 4C / MISCER 4B
For up to 4 products



4. DISINFECTION SYSTEMS

Spray systems

TORNADO SERIES

Allows the cleaning and disinfection of surfaces through the precise dose of chemical product in the form of foam generated from compressed air. The equipment includes a rinse position for foam removal.

The equipment has a 0.28m stainless steel pick-up lance connected to a Ø19x26 hose and it allows the exchange between spraying the foam and rinsing it, quickly and easily, by exchanging the pick-up lance.

The foam flow rate is 8 l/min, while the rinse flow rate is 22 l/min.

The proportion of diluted product can be modified through the interchangeable dilution nozzles, placed in the product suction, which allows a minimum dilution of 0.6% and a maximum of 17%.



VOLCANO SERIES

Hydraulic unit designed to mix water with concentrated liquid products in a precise proportion based on the venturi effect. Mains water, as it passes through the hydraulic circuit, mixes with the product, without the need for any electrical or mechanical pumping device.

Different flow rates and dilutions depending on the type of application and the possibility of dosing up to 4 products with or without additional rinsing.

Provided with a protection device for drinking water network against backflows according to UNE EN 1717. Standard assembly with double retention valve type ED. Available upon request, BA and CA disconnectors according to current regulations.

Different accessories depending on the application and model: spray gun, pick-up lance with spray nozzle in plastic materials, and pick-up lance with nozzle in AISI303 stainless steel.

Volcano G For sectors such as the food industry, the industrial sector, hospitals, kitchens, etc. This model allows you to spray up to 4 different products in a wide range of dilutions and also rinse surfaces after application

Volcano L Mainly intended for cleaning cars and industrial vehicles. It allows to apply the cleaning agent, in different concentrations, through its stainless steel spray pick-up lance

Volcano A Mainly intended for cleaning cars and industrial vehicles. It allows to apply the acid cleaning agent, in different concentrations, through its PVC spray pick-up lance and Kynar nozzle







www.dosiper.com
dosiper@dosiper.com

Spain

C/ Solana 12-14
Parque Industrial Laciana
24112 Villager de Laciana
Villablino - León
P: (+34) 987 470 155