

*dosing equipment* **Unidoz**

industry | transport | food sector | agriculture | trade | healthcare



## 1WAY DR40 HIGH CONCENTRATION CHEMICAL PROPORTIONER (1WDR40)

Wall mounted chemical proportioner for accurately diluting 1 chemical concentrate to required ratios and filling any sized container with diluted, ready-to-use chemical solutions. Recommended for mixing chemicals. This industrial brass venturi injection system uses standard city water pressure to draw and blend a high concentration into the water to create a strong solution.

### Key Features

- Highly concentration up to 40%
- Durable, stainless steel and brass components ensure years of outstanding performance with minimal maintenance
- 12 dilution levels (from 25ml to 4000ml/10l)
- Option: Possible choice of flow rates for filling small to large containers\*
- 2 meter discharge hose with hook or short discharge hose for bottle fill (BF)
- Customizable, engraved with Your language and Your company's logo

## 1WAY ACID CODE(1WADR40)

Wall mounted stainless steel chemical proportioner for accurately diluting 1 chemical concentrate to required ratios and filling any sized container with diluted, ready-to-use chemical solutions. Recommended for mixing highly corrosive chemicals. This acid-resistant venturi injection system uses standard city water pressure to draw and blend a high concentration into the water to create a strong solution.

### Key Features

- Highly corrosive chemicals resistant
- Durable, stainless steel components ensure years of outstanding performance with minimal maintenance
- 12 dilution levels (from 25ml to 4000ml/10l)
- Option: Possible choice of flow rates for filling small to large containers\*
- 2 meter discharge hose with hook or short discharge hose for bottle fill (BF)
- Customizable, engraved with Your language and Your company's logo

## 1WAY CHEMICAL PROPORTIONER (1WDR14)

Wall mounted stainless steel cover chemical proportioner for accurately diluting 1 chemical concentrate to required ratios and filling any sized container with diluted, ready-to-use chemical solutions. Recommended for mixing chemicals. This venturi injection system uses standard city water pressure to draw and blend chemical concentrate into the water to create ready-to-use chemical solutions

### Key Features

- Durable, stainless steel components ensure years of outstanding performance with minimal maintenance
- 12 dilution levels (from 25ml to 1400ml/10l)
- Option: Possible choice of flow rates for filling small to large containers\*
- 2 meter discharge hose with hook or short discharge hose for bottle fill (BF)
- Customizable, engraved with Your language and Your company's logo

\* Please specify the flow rate when ordering: Low Flow (LF), High Flow (HF)



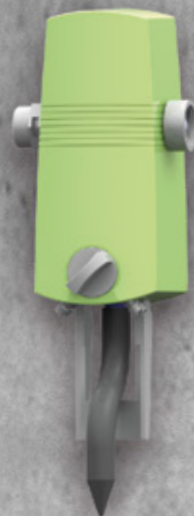
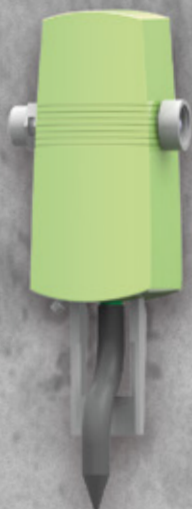
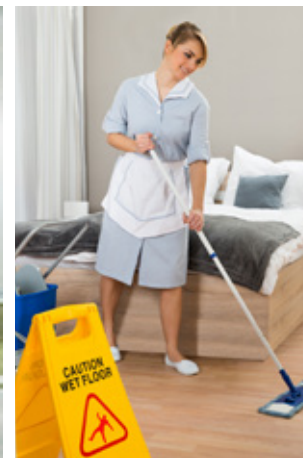


## MAX DOSE PROPORTIONER

Wall mounted dosing systems for one or four products.  
MAX DOSE automatically and consistently mixes the precise amount of chemical concentrates.  
Available versions: for buckets with long discharge hose and and short discharge hose for bottle filling. Available versions with push trigger (for bottles) or push button (for bottles and buckets).

### Technical Data

- Size: Buckets 210x110x95mm, Bottles 275 x110x 95mm
- Flow rate: Buckets 14 l/min, Bottles 4 l/min
- Working precision from 2 bar up to 7 bar
- Working temperature 60° C max.
- Water inlet  $\frac{3}{4}$ "



## 4WAY CABINET CLOSED LOOP DOSING SYSTEM

Wall mounted lockable with key dosing system for four 5l chemical canisters.

Four way chemical proportioner uses standard city water pressure to draw and blend chemical products into the water to create an accurately diluted solution which is projected through the four freely configured discharge hoses for filling of a bottle (short hose) or bucket (long hose).

Recommended everywhere where safety is important: especially hospitals, health care facilities, supermarkets, schools, hotels, industrial etc.

### Key Features

- Proportioner locks chemical products inside to prevent theft or misuse of chemicals
- Close-looped proportioner eliminates anyone from coming into contact with chemical concentrate
- Products do not mix with each other, each product is dispensed separately
- Possible choice of flow rates or discharge hose length for filling small to large containers\*
- 12 dilution levels (from 25ml to 1400ml/10l)
- Durable, high quality ball valves ensure years of outstanding performance with minimal maintenance
- Made from painted steel and brass fittings
- Backup valve

\* Please specify the flow rate when ordering: Low Flow (LF), High Flow (HF). Choice of 2 meter discharge hoses (LH) with hook or short discharge hoses for bottle fill (SH)





## UNIDOZ DOSING SYSTEM

Portable dispensing system for liquid chemical concentrates makes sure that you always get accurate diluted ready to use product. Economic, reliable, made from the highest quality materials. We designed proportioner to make cleaning easier, faster and safer.

UNIDOZ DOSING SYSTEM can be use in any location with access to the water source, what saves users time. Small size makes it ideal for trolley service.

- Suitable to all types of canisters and bottles;
- Fast installation-ready to use, simply select metering tip and connected water supply hose;
- Simple operation (unlock button ON / lock button OFF);
- 12 dilution levels (from 25ml to 1400ml/10l);
- Saves employee time. Minimal training time results in faster and easier adoption.



Available colors: black, blue, gray, green, red.



## UNIDOZ FOAM SYSTEM

Portable low-pressure foaming, quickly and efficiently converts foam cleaning chemicals in thick foam.

### Benefits of Unidoz foam:

- Suitable to all types of canisters and bottles;
- Quick installation, simply select metering tip and connected water supply hose;
- 12 dilution levels ( from 0,1% to 10%);
- Easy replenishment of chemical concentrates;
- Foam without the use of high pressure.

### Includes:

- 1l bottle (option)
- 12 metering tips
- Strainer



## GASTRO-WASH

Spray applicator for diluting two products with rinsing operation. This product had been designed to spray clean and sanitize floors and surfaces.

This venturi injection system uses standard city water pressure to draw and blend two chemical concentrates into the water stream at the same time to create an accurately diluted solution which is projected through the discharge hose and gun.

### Gastro-Wash technical data:

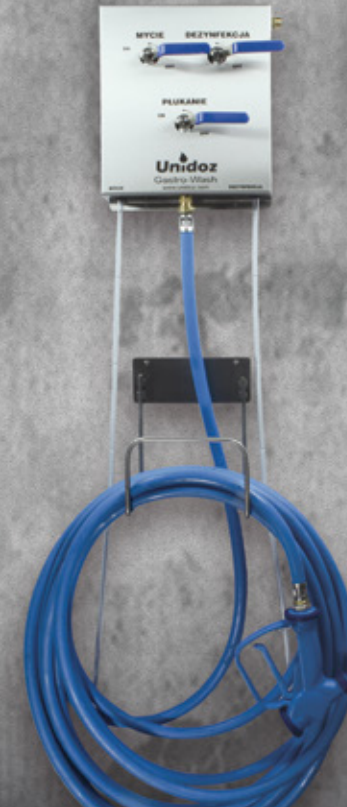
- Material: stainless steel, brass, all components that contact chemicals are designed for chemical and corrosion resistance
- On/off can be controlled at hose end
- Available with blue food approved hose (up to 25m), spray gun and hose wire rack
- Metering tips for dilution ratios from 0,50% max 10%
- Working temperature 60° C max.
- Working precision 2 up to 10 bar
- Clean/rinse/sanitize functions are clearly labeled for easy identification
- Industrial-strength design holds up in tough environments
- Back flow protection
- Customizable, engraved with Your language and Your company's logo

## GASTRO-WASH ACID

Spray applicator for diluting two products with rinsing operation. This product had been designed for projecting 2 highly corrosive chemicals and clean water for rinsing. This stainless steel venturi injection system uses standard city water pressure (35 - 125 PSI) to draw and blend a high concentration products into the water stream at the same time to create an accurately diluted solution which is projected through the discharge hose and gun.

### Gastro-Wash technical data:

- Chemicals resistant: stainless steel acid-resistant venturi injection and all components that contact chemicals are designed for chemical and corrosion resistance
- On/off can be controlled at hose end
- Available with blue food approved hose (up to 25m), spray gun and hose wire rack
- Metering tips for dilution ratios from 0,50% max 10%.
- Working temperature 60° C max.
- Working precision 2 up to 6 bar
- Clean/rinse/sanitize functions are clearly labeled for easy identification
- Industrial-strength design holds up in tough environments
- Back flow protection
- Customizable with Your language and Your company's logo





## UNIDOZ FOAM WASH AIR SYSTEM (FWASC15)

Wall mounted satellite or mobile low pressure foam applicator mounted on stainless steel trolley. This venturi injection system uses standard city water pressure (3-10 Bar) to draw and blend chemical concentrate into the water stream to create an accurately diluted solution. Very dense, clinging foam is created by injecting compressed air into the ready to use solution to greatly increase volume and coverage ability. Making it ideal for foam cleaning vertical surfaces and ceilings, with low detergent consumption. The foam is projected through the discharge hose and fan nozzle. Thanks to the complete absence of vaporization, it can also be used in complete safety with very alkaline detergent foam.

### Unidoz Foam Wash Air System Technical Data

- Foaming: Minimum 2 bars in absolute safety without vaporization
- Water: From 3 to 10 bars (normally mains pressure is between 2 and 4 bars)
- Air: From 3 to 10 bars (the foam becomes denser as air pressure increases)
- Water flow: 250 l/h (mean value)
- Adjustable foam consistency (wet/dry)
- Working temperature: With detergent foam, use of water at room temperature is recommended. However, water at a temperature of not more than 50°C can be used
- Surface treated: About 10 m<sup>2</sup> per minute
- 12 dilution levels from 0,1 % to 16 %
- Up to 25m discharge hose, stainless steel ball valve, stainless steel foam wand
- 2-wheel stainless steel trolley
- Weight box: 13Kg.
- System: stainless steel, brass
- Backflow valve





## UNIDOZ PORTABLE AIR PUMP FOAMER 50L LOW VOLUME (PAPF50L)

The Portable acid resistant foamer with 50 or bigger (upon request) tank for cleaning vertical surfaces and ceilings, recommended for food industry, agriculture, transport, auto detailing etc. Foam applicator mounted on stainless steel trolley, uses an air-operated pump that draws pre-mixed solution from 50 liter tank and projects foaming chemicals on to any surface at distances up to 2,5 m.

### PORTABLE AIR PUMP FOAMER 50L Technical Data

- Stainless steel foamer with 2 non-marking wheels for easy transport
- HDPE chemical tank with large cap opening for easy hassle free filling
- Available with 10m, 15m or 20m blue food approved discharge hose (up to 25m),
- Discharge hose, stainless steel foam wand & fan nozzle
- Air pressure: from 3 to 10 bars
- Surface treated from 50l ready to use chemicals : About 250 m2
- 55 minutes of foaming time per 50 liters of pre-mixed solution
- Adjustable foam consistency (wet/dry)
- These units come in a variety of cart and tank combinations
- Pump protected from damage
- Foam throwing distance up to 2,5m



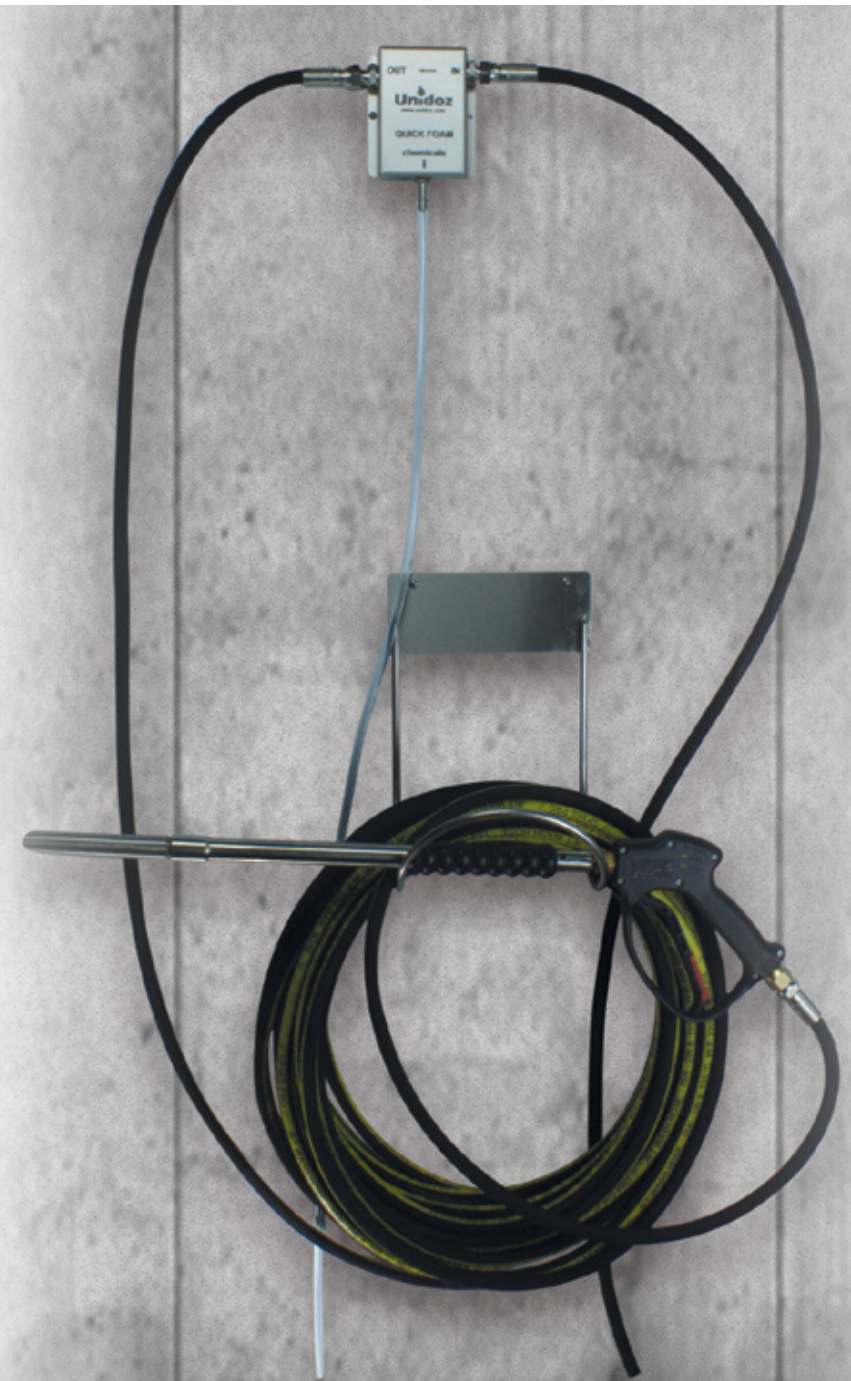


## QUICK FOAM FOAMING SYSTEM

Foam canon foaming system for pressure washers combines a high pressure water (min 80 Bar) with detergent and air to produce an accurately diluted solution and thick clinging foam without compressed air. Wall or device mounted or foam applicator draws chemical concentrate straight from canister is recommended for industrial use where there is no air compressors, where is the need for continuous work, it draws chemical concentrate straight from canister

### Technical Data:

- Working precision from 80 bar up to 250 bar
- Working temperature 150° C max.
- 12 metering tips for dilution ratios from 1% max 12%
- Includes foam canon, stainless steel foam wand & fan nozzle, discharge hose, Pressure Washer Trigger Spray Gun, (available upon request: with or without the discharge hose, Pressure Washer Trigger Spray Gun,)
- Discharge hose up to 80 m
- Material: stainless steel
- Surface treated: About 40 m<sup>2</sup> per minute





## UNIDOZ SPRAYER

Wall mounted low volume industrial spray applicator for applying chemical solutions  
This venturi injection system uses standard city water pressure (2,5-10 Bar) to draw and blend chemical concentrate into the water stream. Precision diluted solution is regulated by 12 dosing tips, small use of water makes it ideal for accurate spray cleaning.

### Sprayer Technical Data

- On/off can be controlled at hose end, wherever the operator may be, using accessory tools
- Available with 5m, 10m, 15m up to 25m hose, spray gun and hose wire rack
- 12 metering tips for dilution ratios from 1% max 12%
- Working temperature 60° C max.
- Working precision from 2,5 bar up to 10 bar
- Material Available stainless steel and brass or full stainless steel

### Advantages

- Industrial-strength design holds up in tough environments
- Ideal for application in small areas
- No compressor required
- Continuous work



## DISHWASHERS

Full range of dosing pumps for dishwashing machines designed to dose detergent and rinse aid to provide the correct dosage for any given cycle.

Peristaltic pumps are made from chemical resistant materials to hold up in tough environments

### SINGLE PERISTALTIC PUMPS TO DOSE CHEMICAL PRODUCTS IN DISHWASHERS

#### Technical Data

- 1 or 2 potentiometers to adjust dosing speed and dosing time
- Wall mounted with 2 screws or special bracket included in installation kit
- Power supply: 24 Vac, 24 Vdc, 110 Vac / 50/60 Hz, 230 Vac / 50-60 Hz
- Size: length: 101mm, height: 106mm, width: 103mm, weight: 725g.
- International Protection Rating: IP 65.
- Flow rates: up to 10 l/h and 2,5 bar maximum pressure.

#### Advantages

- Wide selection of models suited to customer needs
- Single peristaltic pumps with a wide choice of options such as: fixed flow rate, flow rate with speed control, timer control, start/ stop mode, timer control in dishwasher filling and rinsing cycle

### DDA – ANALOG DOUBLE PERISTALTIC PUMPS TO DOSE CHEMICAL PRODUCTS IN DISHWASHERS

Double peristaltic pumps specially designed to dilute detergent and rinse aid with the suitably chosen tube according to the properties of the chemical products used.

#### Technical Data

- Power supply: 230 Vac / 50-60 Hz, 110 Vac / 50/60 Hz,
- Input signals: between 24 Vac and 230Vac
- Size: 171mm x 177mm x 132mm
- Flow rates: up to 10 l/h and 2,5 bar maximum pressure.
- International Protection Rating: IP 65.
- Automatic detergent dosing during filling and rinsing cycle
- Automatic rinse aid dosing during rinsing cycle
- Detergent speed regulation in filling and rinsing cycle and rinse aid speed regulation in rinsing cycle.

- Manual priming
- Filling and rinsing solenoid valve signals: 24-230VAC
- Rinse aid dosing when the signal is activated or deactivated (optional model).
- Equipment status LEDs.

#### Advantages

- Wide selection of models suited to customer needs
- Compact, robust and versatile design.
- Transparent polycarbonate cover to protect equipment controls and make it easier for the user to see the indicators.
- Removable and interchangeable pump casing for a better maintenance service.
- 2 possible mounting types: wall mounting or special bracket.
- Complete installation kit included
- Level probe for lack of product (available upon request)

### DDS SERIES DIGITAL DOUBLE PUMPS TO DOSE CHEMICAL PRODUCTS IN DISHWASHERS

Digital double pump DDS for dishwashers with microprocessor made for accurate de-t detergent and rinse aid dosing as well as advanced data management.

Double peristaltic pumps specially designed to dilute detergent and rinse aid with the suitably chosen tube according to the properties of the chemical products used.

#### Technical Data

- Power supply: 110 Vac / 50/60 Hz, 230 Vac / 50-60 Hz
- Input signals: between 24 Vac and 230Vac
- Size: 171mm x 177mm x 132mm
- Flow rates: up to 10 l/h and 2,5 bar maximum pressure.

#### Advantages

- 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)
- Level probe for lack of product
- Adjustable detergent flow rate through a conductivity probe and rinse aid flow rate through solenoid valve signals
- Rinse aid electromagnetic actuator
- Solid detergent dosing

### SINGLE PERISTALTIC PUMPS



### DDA – ANALOG DOUBLE PERISTALTIC PUMPS



### DDS SERIES DIGITAL DOUBLE PUMPS





## LAUNDRY

### CHEMICAL PRODUCTS DOSING SYSTEM FOR ONE WASHER EXTRACTOR

Dosing system **FOR ONE WASHER EXTRACTOR CORAL** and **MEDUSA** equipment are especially designed to dose chemical products automatically in one washer extractor with an optimized management.

#### CORAL Technical Data

- Flow Rates (l/h) 25, 50, 55, 100, 110
- IP Code: IP65
- Power Supply: 230 VCA  $\pm \pm 10\%$ ; 50/60 Hz
- Configurable input signals voltage: 24VAC – 230VAC.

#### MEDUSA Technical Data

- Flow Rates (l/h) 20 and 40
- IP Code: IP65
- Power Supply: 230 VCA  $\pm \pm 10\%$ ; 50/60 Hz
- Configurable input signals voltage: 24VAC – 230VAC.

#### Advantages

- Electronic controller for an accurate dosing process in any washer extractor.
- Equipment manage with programming/display unit or Hand Held Pro unit
- Direct or modem PC communication to perform the programming process or extract data.
- LAVnet management software.
- Up to 8 pumps and 20 formulas control.
- Wide range of flow rates to fit all washer extractor's capacities.
- Double password protection to avoid access of non-authorized people: one code the programming section and one code for the manual dosing section
- Programmable delay time for the dosage of the different products
- Configuration of the concentration rate for diluted products

### CHEMICAL PRODUCTS DOSING SYSTEM FOR SEVERAL WASHER EXTRACTORS

#### MULTILAV Series

Centralized dosing system for up to 8 washer extractors to dose automatically chemical products.

#### Technical Data

- Centralized dosing system to control up to 8 washer extractors.
- Up to 8 pumps and 20 formulas for each washer extractor.
- Possibility of 1 or 2 manifolds installation.
- Direct or modem PC communication to perform the programming process or extract data.
- LAVnet 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.

#### HAND HELD PRO

This device can control several equipments in case they have manufactured without a display. This way you can connect to each of them to program, check or change washing formulas as well as extract consumption data.



## UNIDOZ (SD-01) QUICK FILL SYSTEM

Versatile FAST FILL STATION that dilutes chemical concentrates with water to create ready-to-use cleaning products. Large tank capacity allows for quick cleaning machines tanks refilling.

### Advantages:

- 200l tank,
- 12 levels of dilution chemistry,
- filling 100l per minute.

## UNIDOZ (MS-02) STATIONARY DOSING SYSTEM

System with 2 meter hose and metal ball valve suitable for chemical barrel!

### Advantages:

- 12 levels of dilution,
- refilling time,
- filling time 14l per minute.









→ email: [info@unidoz.com](mailto:info@unidoz.com)

→ [www.unidoz.com](http://www.unidoz.com)

