

INDUSTRIAL WASHING



Proportional dosing and mixing
of industrial degreasers and
detergents in water



KIRTILAL
Metalworking LLP

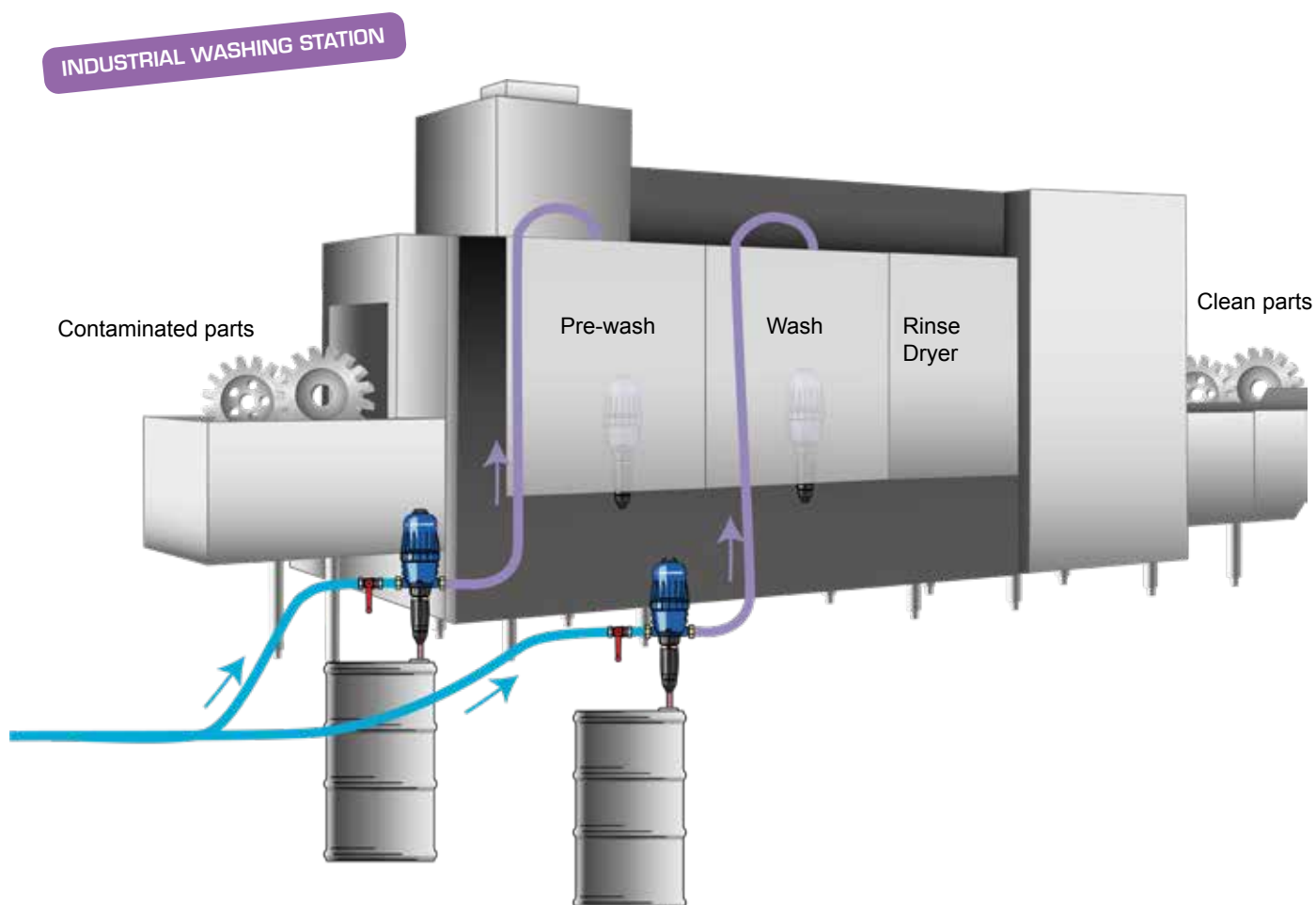


DOSATRON®
Because life is powered by water®

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at www.kirtilal.com

The Dosatron solution

DOSATRON is installed directly into the water main line and uses water pressure as its power source. It can be used to inject a number of different additives directly into washing machine tanks or can be installed directly in series with the spray nozzles. Its reliability means that it eliminates all kinds of dosing errors. It is not affected by variations in pressure, flow rate, suction height or viscosity, as long as these variables remain within the pump's operating parameters. Thanks to our constant attention to quality at all stages of manufacture, both in terms of materials and testing procedures, we can guarantee that our dosing motor pumps best meet the needs of industrial cleaning operators.



ADVANTAGES OF DOSATRON

⊕ PROPORTIONAL AND RELIABLE DOSING

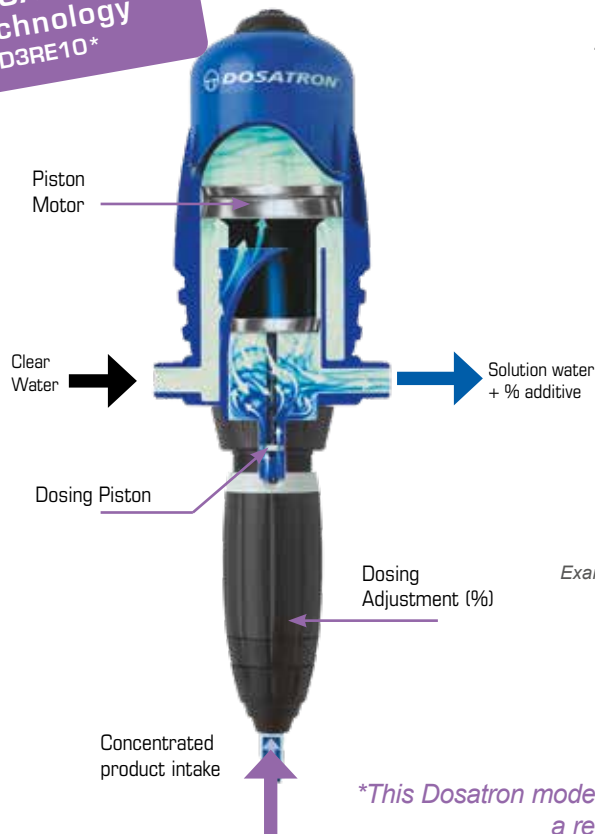
Controlled consumption of additives and water
Efficient washing and rinsing

⊕ WIDE RANGE OF SETTINGS

You can adjust the dosing quantities and add different additives by simply adjusting the dosing pump.

⊕ EASY TO INSTALL and MAINTAIN

Less time spent on repairs



The appropriate Dosatron pump is selected firstly according to filling rate and secondly to dosing rate.

- **Calculation of flow-rate requirement**

Flow-rate is determined according to the required tank volume and filling time.

Example: 25-litre tank to be filled in one minute = flow-rate 1,500 l/h.

In this case you can select your pump in the 3 m³/h range.

If you wish to supply a number of tanks/machines simultaneously, or fill the tanks faster (if your available water flow-rate makes this possible).

Other models are also available depending upon your requirements

- **Choice of the dosing rate**

Particularity: proportional volumetric dosing

The Dosatron pump operates on the proportional volumetric dosing principle:

the quantity of product injected is proportional to the quantity of water passing through the Dosatron pump.

Example: A 10% setting gives a solution of 10 parts concentrated product to 100 parts water

In absolute % terms, this gives 9.09% (10/110).

This feature of the Dosatron system must be taken into account when selecting your model.

**This Dosatron model is ideal for filling at dose rates between 1% & 10%, and answers a recurrent demand from professional users for initial fill & topping up.*

Recommendations for installation

- Installation and utilisation in a drinking water circuit demands compliance with national standards and regulations in force.
- The system must incorporate a stop valve or non-return valve upstream from the injection system, to avoid any risk of pollution of the water source.
- Include a 300 micron filter (50 mesh) up-stream from the dosing pump, according to supply water quality.
- The level in the dosing product container must never be higher than the pump (risk of siphoning).

The Dosatron unit is suitable for **spray, immersion or ultrasonic** cleaning systems.



METAL PROCESSING - Industrial washing

D3RE2



An optimised design
A polypropylene pump casing
Highly ergonomic dosage adjustment
The availability of large dosages
One injection at the exit

Injection range **0.2 - 2 % [1:500 - 1:50]**
Water flow range **10 l/h - 3 m³/h**
Operating water pressure **0.3 - 6 bar**
Concentrated additive injection **0.02 - 60 l/h**
Connections **NPT-BSP 20x27 - 3/4" M**
Hose **PVC 8x12 - Lg 1.75 m**

series :



option :



Options : A wide range of dosing pumps and an equally wide choice of options (high flow-rates, small-dosing, high chemical resistance materials, etc.) enable us to meet your needs.



Seals for acids, oils, odour-control concentrates...



Seals for alkaline concentrates



Seals for highly concentrated acids (> 15 %) – systematically PVDF.



(Integrated by-pass) system for manual activation of the additive suction (on) and stop (off)



Housing for highly concentrated acids and other aggressive concentrates.



Kit for viscous concentrate recommended for more than 200 or 400 cPs (depending on model).



External Injection



Seals for high-alkaline media, pH>12

D3RE10



Injection range **1 - 10% [1:100 - 1:10]**
Water flow range **10 l/h - 3 m³/h**
Operating water pressure **0.5 - 6 bar**
Concentrated additive injection **0.1 - 300 l/h**

D3RE5



Injection range **0.5 - 5% [1:200 - 1:20]**
Water flow range **10 l/h - 3 m³/h**
Operating water pressure **0.3 - 6 bar**
Concentrated additive injection **0.05 - 150 l/h**

D3RE3000



Injection range **0.03 - 0.3% [1:3000 - 1:333]**
Water flow range **10 l/h - 3 m³/h**
Operating water pressure **0.3 - 6 bar**
Concentrated additive injection **0.003 - 9 l/h**

D3RE25IE



An optimised design
A polypropylene pump casing
Highly ergonomic dosage adjustment
The availability of macro dosages
One injection at the exit

series :



option :



Injection range **5 - 25 % [1:20 - 1:4]**
Water flow range **10 l/h - 2 m³/h**
Operating water pressure **0.5 - 4 bar**
Concentrated additive injection **0.5 - 500 l/h**
Connections **NPT-BSP 20x27 - 3/4" M**
Hose **PVC 16x22 - Lg 1.75 m**

KIT AK17



Protective kit, not assembled, without wall plate

OTHER APPLICATIONS

- Die casting
- Vibro-abrasion
- Water jet cutting (polymer dosing)
- Coolant mixing (water-soluble oils)
- Surface treatment
- Vulcanisation...



Protective kit assembled on wall plate

DOSAPACK

ADAPTEUR



PDI861M Adaptor for metallic can/drum:
PDI861P adaptor for plastic can/drum:

Downloaded from www.kirtilal.com

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