DOSATRON®
Because life is powered by water®

Industry

Non-Electric Water-Driven Dosing Pumps

Special Applications

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 several 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.

Applications

- Soluble oils
- Posting
- Vibro-abrasion
- Degreasing
- Legionella treatment

Atex

The safety of employees in the workplace is becoming a major concern for employers and initiatives around the world are multiplying to contribute to it. ATEX, IECEx, INMETRO, EAC, CN-Ex, UL etc. are all certification programs that allow equipment manufacturers to offer solutions that guarantee
the safety of users in environments subject to potential explosive atmospheres.

At European level, any manufacturer wishing to offer a hardware solution for use in hazardous atmospheres must comply with the ATEX Directive 2014/34/EU.

The industrial processes developed for the pharmaceutical industry, the chemical industry, mining, waste water management, refinery operations or industrial paint application include numerous dosing stations sized according to the applications to be carried out. As soon as the dosing needs are expressed in an ATEX environment, the range of available solutions is significantly reduced, taking into account the constraints to be respected.

World leader in proportional dosing solutions without electricity, and with 45 years of experience in industrial dosing, Dosatron meets the requirements of ATEX regulations in zone 0 or 20. Dosatron technology allows, without electricity, the in-line dosing of a wide range of additives used in industry, whether liquid or soluble, acid or alkaline, fluid or viscous. A simplified alternative compared to equivalent electrical technologies, it guarantees a high level of accuracy while contributing to the optimization of the construction and maintenance budget.

Applications

- Washing tunnel
- High pressure washing
- Washing gantry
- Courtesy wash

Car Washing

The transport sector is in full evolution: new energies, new technologies, new modes of use with the consequence of an increase in the number of vehicles circulating daily.

Whether for aesthetic, regulatory, environmental, hygiene, service quality, company visibility or user/user expectations reasons, all these vehicles or means of transport must be regularly washed.

As long as water is used in the cleaning process, its quality (conductivity, hardness etc.), the performance of the washing additives (detergents, waxes, drying agents etc.) and the performance of the dosage of these additives in the water are essential to guarantee the expected result.

A pioneer in proportional dosing without electricity, Dosatron technology meets the requirements of today's various washing technologies (tunnel, gantry, high pressure and manual washing). Thanks to its simplicity of installation and use, ease and low maintenance cost, as well as compatibility with most of the additives used on the market, Dosatron technology contributes to optimising operating costs, in a context where they are a major decision-making criterion in the design and use of installations.

Applications

- Injection of wetting agents
- Mineral dosing
- Dosing of silicones

Graphic Industry

Despite a strong trend towards digitalisation, media such as promotional printed matter, newspapers, magazines, books or packaging persist and require printing.

Even if digital printing offers flexibility and speed in the preparation and printing phases, naturally adapted to low-volume printing, offset technology remains predominant for medium and large series.

From the preparation of water for use in machines (softening, re-mineralization, pH regulation, addition of wetting agents) to the processing of paper (incorporation of silicone), the dosing operations determine the final quality of the printing and the efficiency of the process.

For more than 45 years, Dosatron technology has provided a highly technical response to your dosing needs throughout the graphic chain. Insensitive to pressure and flow variations in the water network, Dosatron dispensers guarantee precision and repeatability for dosing operations while offering many advantages that contribute to process optimization (ease of implementation and adjustment of the dosage, self-priming, compatible with viscous additives, etc.).

Applications

- Soluble oils
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Metal Working

From extraction to finished parts, metals are subjected to many transformations before reaching their final use (automotive sector, aeronautics sector, railway sector, industrial valves and pumps, general mechanics, precision mechanics etc.).

Some process steps require the use of water with the addition of additives: cutting fluid for machining, silicone for poteyage, detergent for cleaning and degreasing etc....

Although water quality plays a significant role in these applications, the performance of additive dosing is crucial, contributing to product quality and optimising operating costs.

In addition to being the pioneer of proportional dosing without electricity, Dosatron has been responding to dosing problems in metalworking for more than 45 years. Thanks to its easy-to-use technology, involving low maintenance costs and capable of processing most of the additives in the industry, Dosatron offers a technical solution that is both efficient and cost-effective, particularly for viscous additives requiring high incorporation rates (>5%).

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