



DOSATRON®

WATER POWERED DOSING TECHNOLOGY

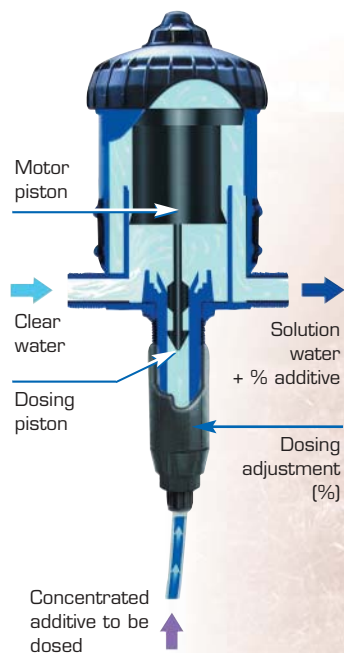
Water powered proportional dosing pumps
livestock



Use a why Dosatron

Efficiency without electricity

Installed directly in the water supply line, the Dosatron operates by using the flow of water as the power source. The water activates the Dosatron, which takes up the required percentage of concentrate directly from the container and injects it into the water. Inside the Dosatron, the concentrate is mixed with the water, and the water pressure forces the solution downstream. The dose of concentrate will be directly proportional to the volume of water entering the Dosatron, regardless of variations in flow or pressure, which may occur in the main line.



For many applications:

- Medication (antibiotics, etc.)
- Dispensing supplements (minerals, vitamins, etc)
- Vaccination through drinking water
- Cleaning and disinfecting buildings, vehicles and personnel; disinfecting watering systems; water treatment
- Acidification
- Fogging/spraying (odor control, disinfecting, descaling of nozzles, etc.)

Dosatron Benefits

- Proportional
- Water powered, requires no electricity and is autonomous
- Simple to install and to maintain.....
- Speed and flexibility of use for treatments and for changing dosage ..
- Precise and constant dosing
- Offers homogeneous solutions
- Small size

Options tailored to your needs

- **Medication / Vaccination / Disinfecting watering systems:** VF seals / Standard pump body / high dosing rates (5 or 10 %) to ensure better solubility in case of powder treatment / Note : punctually it can be used for the other applications, but will then require pre-dilution and systematic rinsing after use.
- **Acidification:** VF or VF+ seals / PVDF pump body / often small dosing rates (e.g. 0.07 – 0.2 %).
- **Chlorination:** AF seals / PVDF pump body / Hastelloy / very small dosing rates (0.07 – 0.2 %) / pre-dilution of chlorine as mother solution / residual chlorine testing at the end of the watering system.



for Which Dosatron application

1/Water flow to be handled*



2/Dosage %

—
—
0.07
—
10
—
—
—
0.03
8
—
—
0.2
5
—
—

3/Options



Recommended for regular or continuous use of particularly harsh products (consult us).



PVDF: Special pump body for extremely aggressive products

IE: (External Injection) recommended for certain corrosive products

Related to the daily consumption of the building;

- Evaluate the minimum and maximum hourly average flow rates consumed by the animals during one session.
- A flow rate of between 10 l/h and 2500 l/h is generally sufficient. Except for buildings housing > 50,000 layers or fattening installations requiring a high capacity Dosatron.

Choose the dosing range required by the application.

- High dosage (5 - 10%) for medication, vaccination and sanitation...
- Low dosage (0.07 to 0.2%) for acidification and chlorination...

Choice of seals and material options corresponding to application.

- VF or VF+ seals for use of acid to neutral products.
- AF seals for exclusive use of strong alkalines.
- PVDF pump housing as an option for harsh products.
- Hastelloy option for products being corrosive with stainless steel.

Those options allow adapting your Dosatron to your needs. Contact our technical service to help determine what option you may need.

PATENTED PRODUCTS
Each Dosatron unit is factory tested.

*for other motor fluids, please contact us.

Optimum compatibility



AF: Recommended seals for alkaline concentrate



VF or VF+: Recommended seals for acid concentrate



H: Hastelloy plunger rod, a highly resistant alternative to stainless steel



V: Kit for viscous concentrate recommended for more than 200 cSt



Injection hose: Special material hose and foot strainer available

Optimum installations



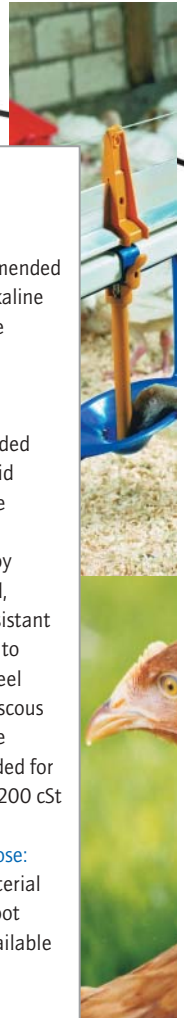
BP: (Integrated by-pass) system of turning product injection on and off.



Belt: additional support for fixed or mobile installations

Others: Special models, accessories and particular systems: Please consult us

For the proportioning of harsh products, please refer to your dealer before use to confirm compatibility with your Dosatron.



The range in detail

Ref.	Dosage		Concentrated product injection (l/h)		Operating pressure (bar)	Options							
	%	ratio [:]	mini	maxi		VF/VF+	AF	PVDF	H	IE	V	BP	LEGS
2.5 m³/h - D25 range													
<i>FIX</i>													
D 25 F	0.8	[1:128]	0.08	20	0.3 - 6	● ○	■	■	▲	★	★	■	★
D 25 F 0.2	0.2	[1:500]	0.02	5	0.3 - 6	● ○	■	■	○	★	★	■	★
D 25 F 2	2	[1:50]	0.2	50	0.3 - 6	● ○	■	■	○	★	■	■	★
<i>EXTERNAL ADJUSTMENT</i>													
D 25 RE 1500	0.07 - 0.2	[1:1500 - 1:500]	0.007	5	0.3 - 6	● ○	■	■	○	★	★	■	★
D 25 RE 2	0.2 - 2	[1:500 - 1:50]	0.02	50	0.3 - 6	● ○	■	■	▲	★	■	■	★
D 25 RE 5	1 - 5	[1:100 - 1:20]	0.1	125	0.3 - 6	● ○	■	■	○	★	■	■	★
D 25 RE 10	3 - 10	[1:33 - 1:10]	0.3	250	0.3 - 4	● ★	■	■	○	★	■	■	★
4.5 m³/h range													
<i>EXTERNAL ADJUSTMENT</i>													
D 45 RE 3000	0.03 - 0.1	[1:1000 - 1:3000]	0.03	4.5	0.5 - 5	● ★	■	■	■	★	★	●	★
D 45 RE 1.5	0.2 - 1.5	[1:500 - 1:66]	0.2	67.5	0.5 - 5	● ○	■	■	■	■	★	●	★
D 45 R 3	0.5 - 3	[1:200 - 1:33]	0.5	135	0.5 - 5	● ★	■	■	■	■	★	●	★
D 45 R 8	3 - 8	[1:33 - 1:12.5]	3	360	0.5 - 5	● ★	■	■	★	■	★	●	★
8 m³/h range													
<i>EXTERNAL ADJUSTMENT</i>													
D 8 R	0.2 - 2	[1:500 - 1:50]	1	160	0.15 - 8	●	■	★	★	★	■	●	■
D 8 R 150	1 - 5	[1:100 - 1:20]	5	400	0.15 - 8	●	■	★	★	★	■	●	■

●: standard - ★: not available
 ■: option - ▲: not required
 ○: Consult us



WATER POWERED DOSING TECHNOLOGY

ISO 9001 : 2000 Quality System Certified

CUSTOMER SERVICE - SERVICE CLIENTÈLE

DOSATRON INTERNATIONAL

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