



DOSATRON®

Because life is powered by water®

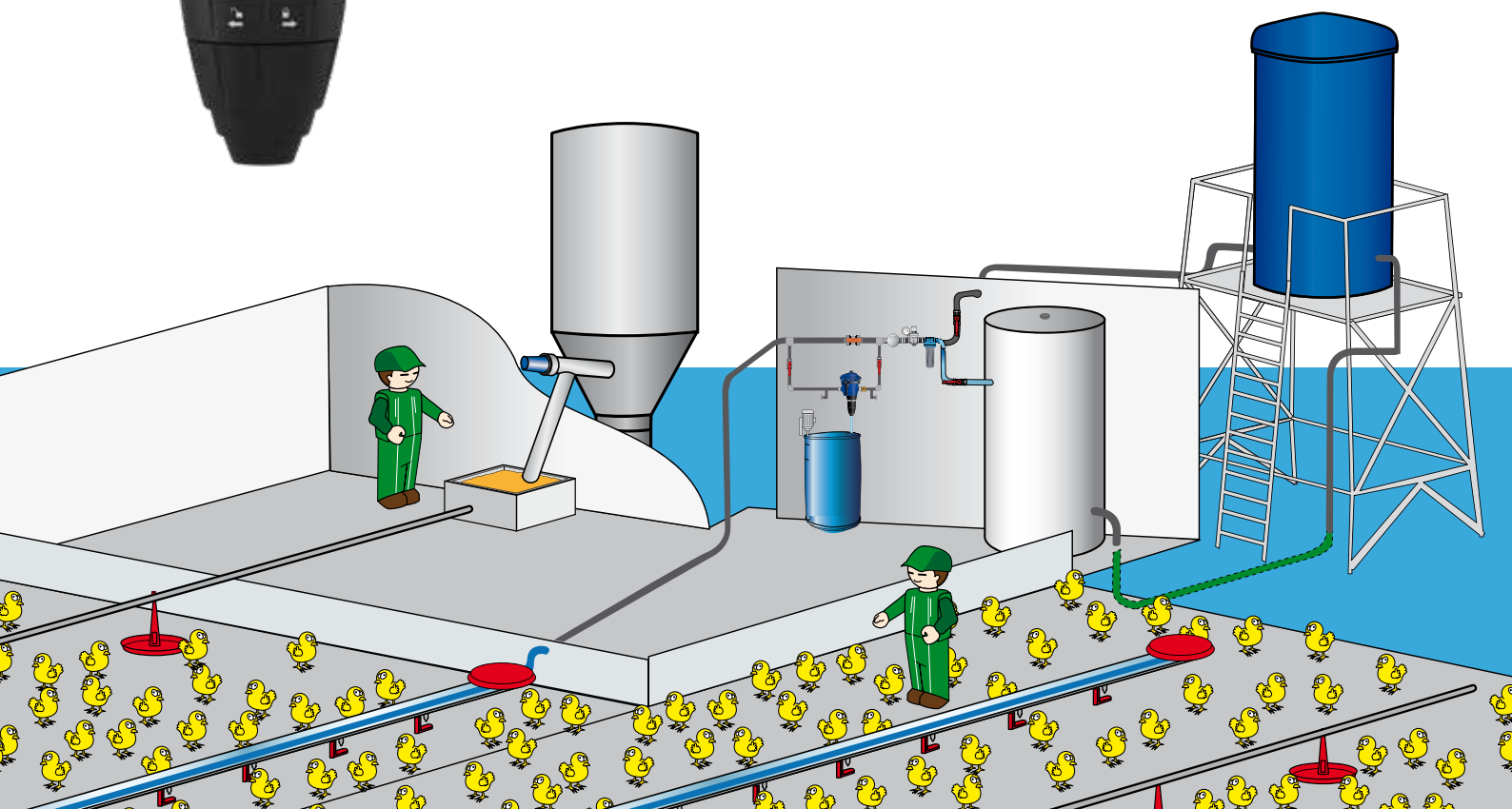


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The Diaphragm Dosatron? Water power at the very first day

The Dosatron Solution that allows you to treat :

- Very young animals from the first days (very low water flow).
- Using header tanks (very low pressure).
- With unmatched service life and low motor maintenance costs.

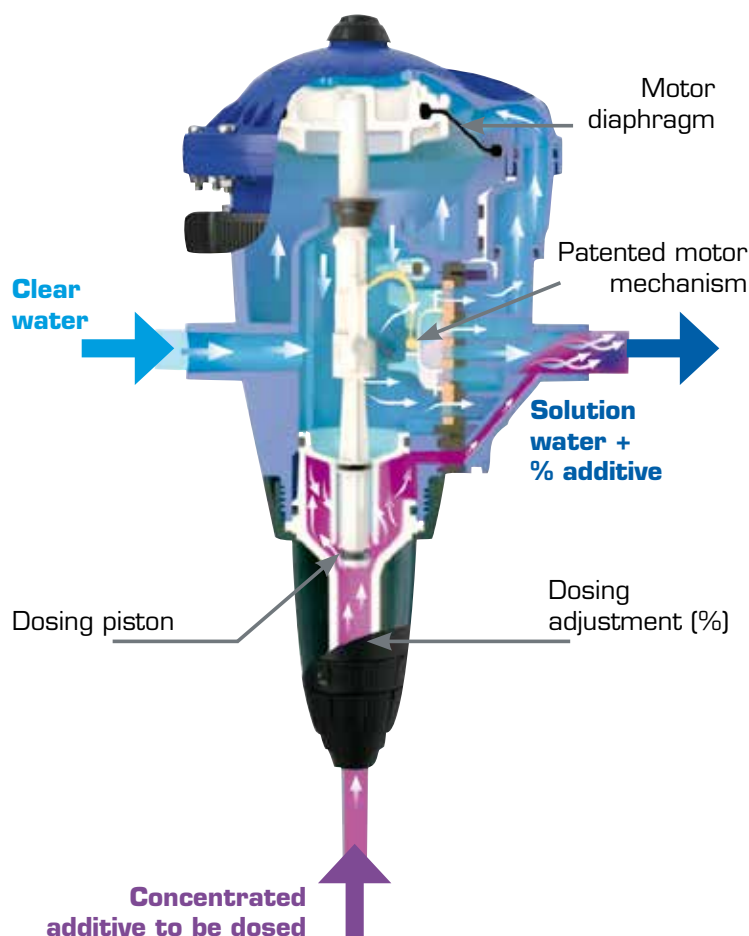


➔ BREEDER, INDUSTRIAL, LABEL, ORGANIC CHICKENS, LAYERS, TURKEYS, GAME BIRDS

■ MEDICATION VIA WATER ■ VACCINATION VIA WATER ■ ACIDIFICATION ■ SUPPLEMENTATION ■ SANITATION

DOSATRON TECHNOLOGY

Diaphragm operating principle



The hydraulic motor:

The driving diaphragm moves thanks to water pressure. A mechanism allows the movement of the motor to reverse. Each motor cycle corresponds to a given volume of water flowing through the pump (motor displacement).

Motor speed therefore varies in proportion to water flow.

The dosing part (additive injection):

The motor-driven dosing piston continuously injects a fixed volume of additive (adjustable dosing body displacement). At each cycle, the dosing piston injects the percentage of additive corresponding to the volume of water passing through the motor. **This operating principle guarantees constant dosage, independent of frequent variations in water flow and pressure due to animal consumption.**

ADDITIVE INJECTION IS THEREFORE STRICTLY PROPORTIONAL TO WATER FLOW THROUGH THE DOSING PUMP

- Operates with very low water flow rates, ranging from 4.5 L/h to 2500 L/h. (Ideal for young animals, which account for approximately 70% of treatments and vaccinations.)
- Capable of functioning with extremely low water pressure, starting from 0.15 bar. (Ideal for use with header tanks.)
- Unmatched motor lifespan thanks to diaphragm motor technology. (Longer lifespan compared to piston technologies and traditional water meters.)
- Lowest motor maintenance cost on the market. (Only two wear parts need to be replaced to restore the motor's original performance.)
- Compatible with mineral loaded water. (Iron, Manganese, Calcium carbonate in hard water, Sand...)
- External injection of additives to protect the motor from certain chemicals. No metallic components in the motor to avoid corrosion – compatible with pre-diluted organic acids.
- High dosing capacity up to 4%, essential for ensuring the solubility and effectiveness of oral powders. (Antibiotics, wormers, painkillers, anti-inflammatories, trace elements, vitamins, probiotics, phages, etc.)



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DOSATRON INTERNATIONAL S.A.S.

33370 TRESSSES (BORDEAUX) - FRANCE

Tel. 33 (0)5 57 97 11 11 - Fax. 33 (0)5 57 97 11 29 / 10 85

e.mail : info@dosatron.com - <http://www.dosatron.com>

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