DOSATRON®

Because life is powered by water®

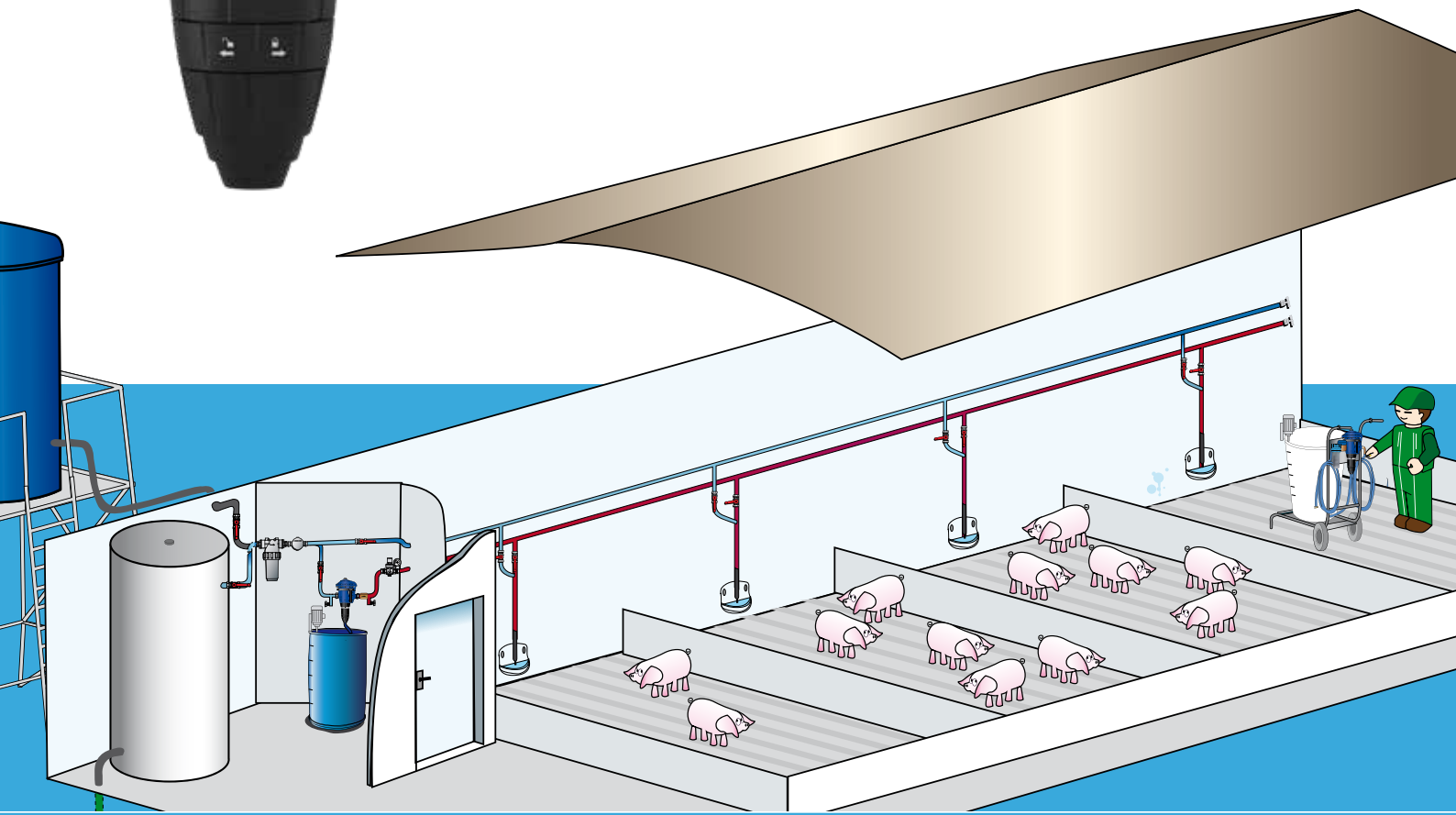


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Why the Diaphragm Dosatron?
Water power at the very first day

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.

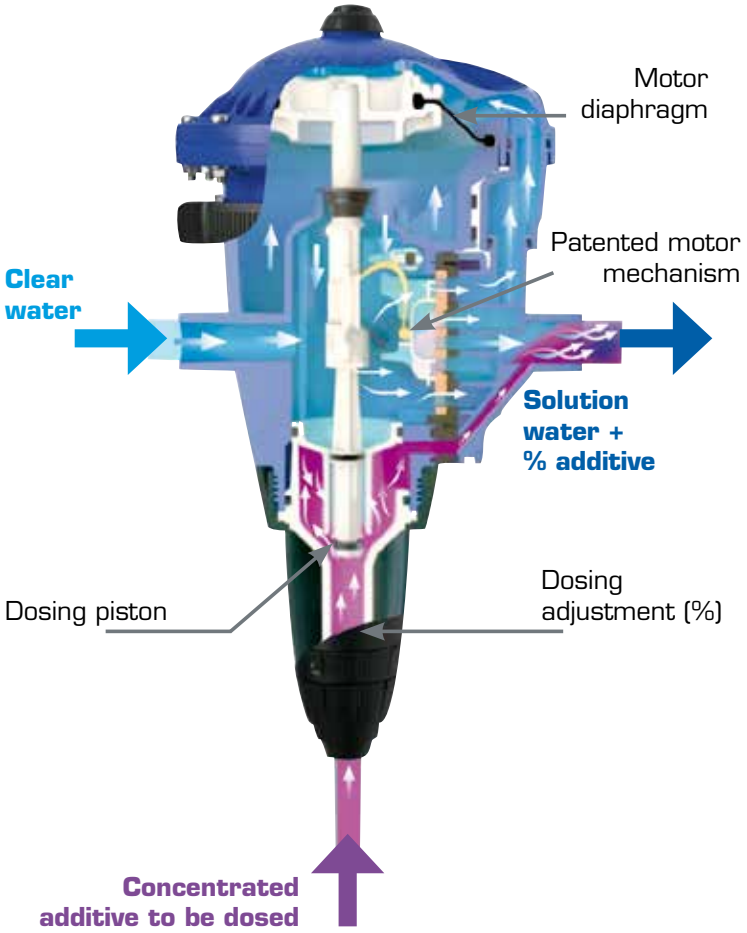


POST WEANING & FINISHING (DRY FEEDING)

■ 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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