

Technology

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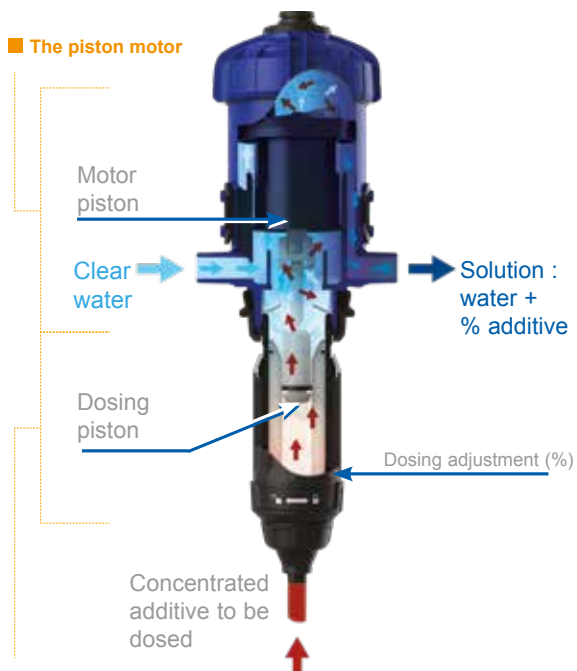


ANIMAL HEALTH

only by the pressure and the flow of the water

of the water. A mechanism allows the movement to be predetermined volume of water which passes through the to the flow of water.

The piston motor



fixed volume of additive (adjustable capacity of the dosing corresponds to the volume of water passing through the independently of the variations in flow rate and pressure

flow rate.

+ D25

- N°1 selling dosing technology in the livestock market
- High dosage capability to insure oral powder solubility
- Easy maintenance (low spare parts numbers)
- Best inline dosing homogeneity



Customer service

Download our
DOSATRON app



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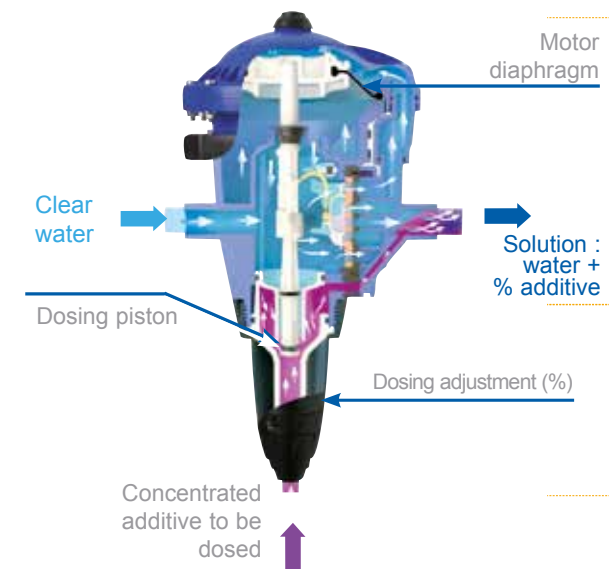
Dosatron

Dosatron technology is based on a hydraulic motor pump activated

The hydraulic motor: Piston or Diaphragm Technology

The motor piston or motor diaphragm moves under the pressure be reversed. Each piston or diaphragm cycle corresponds to a pump (motor volume). The speed of the motor varies proportionally The dosing pump is called a VOLUMETRIC pump.

The diaphragm motor



The dosing assembly

The Dosing piston driven by the motor continuously injects a body). The dosing piston will inject the quantity of additive that motor. Therefore, the operating principle ensures constant dosing, of the water.

The injection of the additive is PROPORTIONAL to the water

+ DIA

- Best performances at low flow (young animals / small groups)
- Best performances at low pressure (header tanks, pressure drops)
- Best motor lifespan with water loaded with minerals (iron, calcium)
- The less expensive motor maintenance of the market
- External injection to protect the motor from chemical attack

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ANIMAL HEALTH

- Vaccination through drinking water
- Medication through drinking water (curative & metaphylactic)
- Acidification through drinking water
- Supplementation through drinking water (Minerals, vitamins, probiotics, essential oils...)
- Disinfection of drinking water (Specials models WL-WATER LINE)
- Decontamination of vehicles and staff
- Fogging systems

Please contact us to check chemical compatibility.

- Fast & flexible vaccine or treatment administration through drinking water
- Ideal for very low water flow and water pressure (header tanks)
- Precise & homogeneous dosing independent of the variations in flow rate and pressure of the water
- Special models available for high concentration organic acids
- Reduced cross contamination risk compared to other methods of treatment
- Less stress for animals & less labour required

Animal Health Line		Dosage	Operating flow range min. - max.	Operating pressure	Stroke volume	Injection rate	Version
		% [Ratio]	(l/h) [US GPM]	bar [PSI]	l [Gal US]	l/h [US Fl. oz/min - mini US GPM - maxi]	de série
	DIA-AL Low flow and mineral-laden water DIA4AL	1 - 4 [1:100 - 1:25]	4.5 - 2 500 [0.02 - 11]	0.15 - 4 [2.2 - 57]	0.47 [0.124]	0.45 - 100 [0.25 - 0.44]	VF BP
Connections NPT-BSP 3/4" M							
	D25+ care The New Standard D25AL5-N D25AL2-N	1 - 5 [1:100 - 1:20] 1 - 2 [1:100 - 1:20]	10 - 2 500 [0.04 - 11] 10 - 2 500 [0.04 - 11]	0.30 - 6 [4.3 - 85] 0.30 - 6 [4.3 - 85]	0.45 [0.118] 0.45 [0.118]	0.1 - 125 [0.056 - 0.55] 0.02 - 50 [0.011 - 0.22]	VF BP SD
Connections NPT-BSP 3/4" M							
	D9AL Large farms D9AL2	0.2 - 2 [1:500 - 1:50]	500 - 9 000 [2.2 - 40]	0.30 - 8 [4.3 - 110]	1.7 [0.449]	1 - 180 [0.56 - 0.79]	VF
Connections NPT-BSP 1 1/2" M							
	D20AL Large cattle farms D20AL2	0.2 - 2 [1:500 - 1:50]	1 000 - 20 000 [5 - 100]	0.12 - 10 [2 - 120]	5 [1.32]	2 - 400 [1.13 - 1.76]	VF BP
Connections 2" M NPT-BSP							
EXPERTS DOSING PUMPS		Dosage	Operating flow range min. - max.	Operating pressure	Stroke volume	Injection rate	Version
		% Ratio	(l/h) [US GPM]	bar [PSI]	l [Gal US]	l/h [US Fl. oz/min - mini US GPM - maxi]	de série
	D25REAO Organic acids D25RE09AO D25RE2AO	0.1 - 0.9 [1:1000 - 1:112] 0.2 - 2 [1:500 - 1:50]	10 - 2 500 [0.04 - 11] 10 - 2 500 [0.04 - 11]	0.30 - 6 [4.3 - 85] 0.30 - 6 [4.3 - 85]	0.45 [0.118] 0.45 [0.118]	0.01 - 22.5 [0.0056 - 0.1] 0.02 - 50 [0.011 - 0.22]	VF BP SD K PVD

GENERIC

D25RE2

Dosage: 0,2 - 2 % [1:500 - 1:50] -
Operating flow range: 10 l/h - 2,5 m³
Operating pressure: 0,30 - 6 bar

D25RE5

Dosage: 1 - 5% [1:100 - 1:20] -
Operating flow range: 10 l/h - 2,5 m³
Operating pressure: 0,30 - 6 bar

D25RE10

Dosage: 3 - 10% [1:33 - 1:10] -
Operating flow range: 10 l/h - 2,5 m³
Operating pressure: 0,30 - 4 bar

Available options :



Carter for highly concentrated acids



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



Recommended seal (plunger) for highly concentrated acids (>15%)



Recommended seals for additives pH ≤ 9



SD Ready



Food Compatibility



Support legs



Static dosing seals for high concentration organic acids

SmartDosing

Innovative management of your treatments through drinking water



SECURITY



OPTIMIZATION



TRACEABILITY



TIME SAVING

Trace your treatment data in just a few clicks, thank to

SmartLink



For more informations, smartdosing.dosatron.com

