



**DOSATRON<sup>®</sup>**
























*Because life is powered by water<sup>®</sup>*



- 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]                     | serial   |
|    | <b>DIAAL</b><br>Low flow and mineral-laden water<br>DIA4AL                     | <b>1 - 4</b><br>[1:100 - 1:25]   | 4.5 - 2 500<br>[0.02 - 11]                             | 0.15 - 4<br>[2.2 - 57]                           | 0.47<br>[0.124]                    | 0.45 - 100<br>[0.25 - 0.44]                                  |    |
| Connections NPT-BSP 3/4" M  |  |  |  |  |                                    |  |  |
|    | <b>D25ALN</b><br>The New Standard<br><b>D25+</b><br>care<br>D25AL5N<br>D25AL2N | <b>1 - 5</b><br>[1:100 - 1:20]<br><b>0.2 - 2</b><br>[1:500 - 1:50]       | 10 - 2 500<br>[0,04 - 11]<br>10 - 2 500<br>[0,04 - 11] | 0.30 - 6<br>[4.3 - 85]<br>0.30 - 6<br>[4.3 - 85] | 0.45<br>[0.118]<br>0.45<br>[0.118] | 0.1 - 125<br>[0.056 - 0.55]<br>0.02 - 50<br>[0.011 - 0.22]   |   <br>               |
| Connections NPT-BSP 3/4" M  |  |  |  |  |                                    |  |  |
|    | <b>D9AL</b><br>Large farms<br>D9AL2  | <b>0.2 - 2</b><br>[1:500 - 1:50]   | 500 - 9 000<br>[2.2 - 40]                              | 0.30 - 8<br>[4.3 - 110]                          | 1.7<br>[0.449]                     | 1 - 180<br>[0.56 - 0.79]                                     |   |
| Connections NPT-BSP 1 1/2" M  |  |  |  |  |                                    |  |  |
|    | <b>D20AL</b><br>Large cattle farms<br>D20AL2                                   | <b>0.2 - 2</b><br>[1:500 - 1:50]   | 1 000 - 20 000<br>[5 - 100]                            | 0.12 - 10<br>[2 - 120]                           | 5<br>[1.32]                        | 2 - 400<br>[1.13 - 1.76]                                     |     |
| 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   |
|  | <b>D25REAO</b><br>Organic acids<br>D25RE09AO<br>D25RE2AO                       | <b>0.1 - 0.9</b><br>[1:1000 - 1:112]<br><b>0.2 - 2</b><br>[1:500 - 1:50] | 10 - 2 500<br>[0.04 - 11]<br>10 - 2 500<br>[0.04 - 11] | 0.30 - 6<br>[4.3 - 85]<br>0.30 - 6<br>[4.3 - 85] | 0.45<br>[0.118]<br>0.45<br>[0.118] | 0.01 - 22.5<br>[0.0056 - 0.1]<br>0.02 - 50<br>[0.011 - 0.22] |   <br>   |

### GENERIC

#### D25RE2

Dosage: 0.2 - 2 % [1:500 - 1:50] -  
Operating flow range: 10 l/h - 2.5 m<sup>3</sup>  
Operating pressure: 0.30 - 6 bar

#### D25RE5

Dosage: 1 - 5% [1:100 - 1:20] -  
Operating flow range: 10 l/h - 2.5 m<sup>3</sup>  
Operating pressure: 0.30 - 6 bar

#### D25RE10

Dosage: 3 - 10% [1:33 - 1:10] -  
Operating flow range: 10 l/h - 2.5 m<sup>3</sup>  
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**

# SmartLink

Data processing software



SD25AL5N

For more informations,  
[smartdosing.dosatron.com](http://smartdosing.dosatron.com)



# Dosatron

# Technology

EN

Dosatron technology is based on a hydraulic motor pump activated

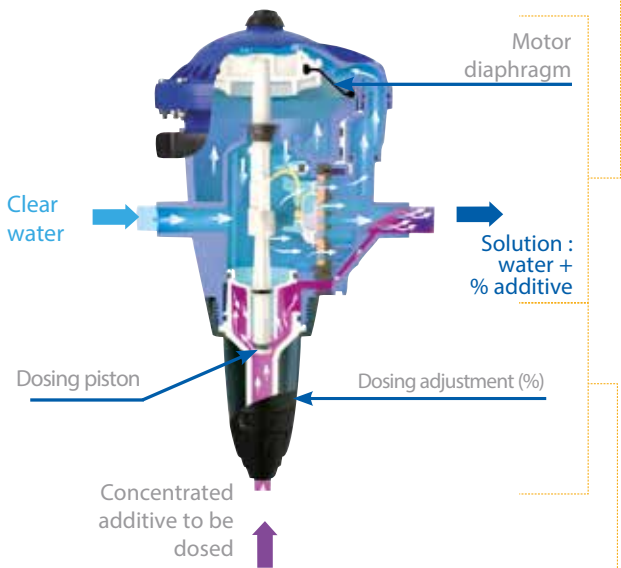
only by pressure and the flow of the water

## ■ The hydraulic motor: Piston or Diaphragm Technology

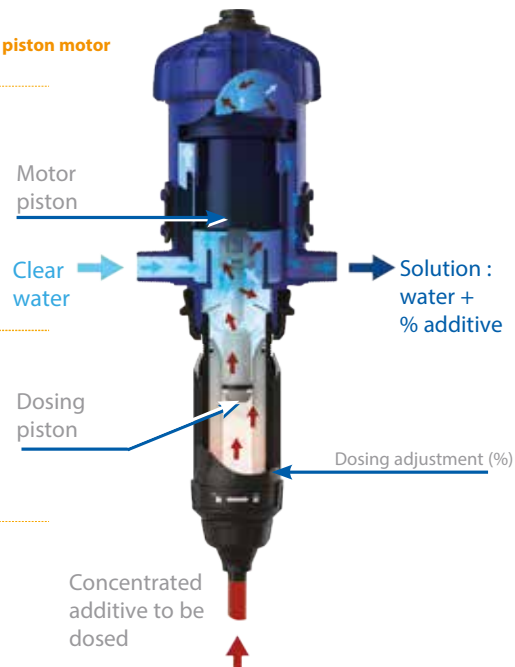
The motor piston or motor diaphragm moves under the pressure reversed. Each piston or diaphragm cycle corresponds to a (motor volume). The speed of the motor varies proportionally to the flow of water.  
The dosing pump is called a **VOLUMETRIC pump**.

of the water. A system of valves allows the movement to be predetermined volume of water which passes through the pump to the flow of water.

### ■ The diaphragm motor



### ■ The piston 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, the water.

The injection of the additive is **PROPORTIONAL** to the water

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 the

flow rate.

## + 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

## + 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





# DOSATRON®

*Because life is powered by water®*

Download our  
**DOSATRON app**



Available on the  
**App Store**

Get it on  
**Google play**

## Customer service



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