

# MixRite Animal health applications

Starting 7L/H | From day old to maturity



 **tefen**  
Flow & Dosing Solutions

Keep your business flowing.  
**Tefenitely.**

# MixRite Animal Health Applications

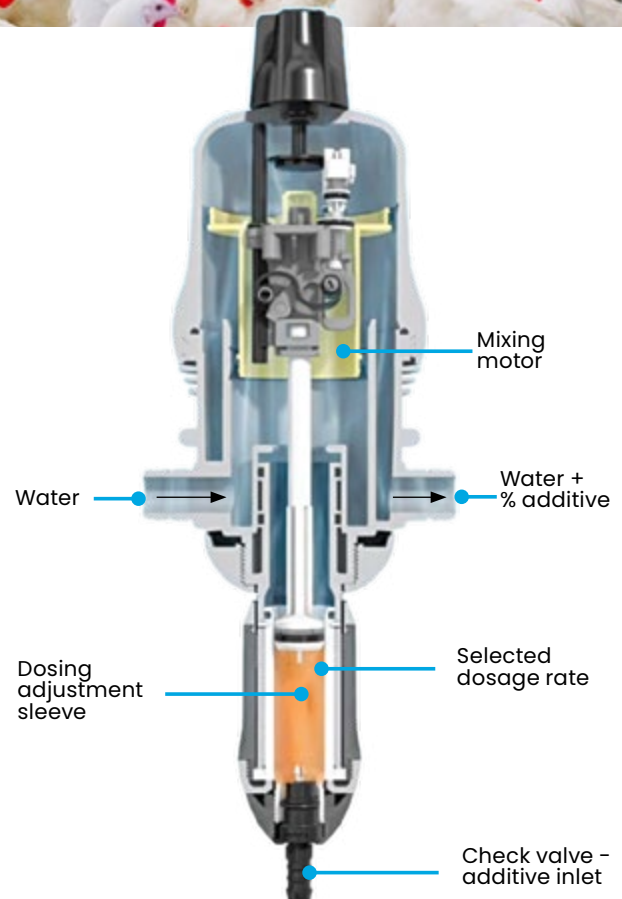
The MixRite dosing pumps for Animal Health guarantee control over doses of treatments injected through drinking water, which is the ideal distribution method, from the first day of the flock.



In all kinds of Animal (poultry, pigs, cattle, rabbits, etc.), the MixRite proportional dosing pumps will enable you to dose into the water line treatments such as:

- Medications
- Vaccines
- Disinfectants
- Acidification
- Chlorine
- Supplements
- Vitamins
- Minerals

The proportionality of MixRite dosing pumps guarantees the correct dose independently by pressure and water flow variations (animal consumption).



## Features

- Mixes medication and water precisely
- The dosage can be adjusted easily and quickly
- Simple maintenance
- Key internal parts are from the highest quality material available

The unit will automatically start working when water is flowing in and will continue until the flow will stop; it is possible to control the suction (intake) operation by using the models with the On/Off system.

## Products Range



Available with manual On/Off cover

1 m<sup>3</sup>/h



MixRite 1  
CL

2.5 m<sup>3</sup>/h



MixRite 2.5  
PO



MixRite 2.5  
Internal Bypass

3.5 m<sup>3</sup>/h



MixRite 3.5  
PVDF



MixRite 3.5  
PO



MixRite 3.5  
CL

TF-5 (5 m<sup>3</sup>/h)







MixRite TF5-  
PO

# MixRite Medicators



## Application Color Code

Application	Sleeve Color	TEFEN Code	Seal Material	Spring Material
Livestock		PO	NBR, EPDM	SST, Hastelloy
Chlorine		CL	Viton	Hastelloy
Bypass		IBP	EPDM	SST, Hastelloy
Acids		PVDF	Aflas	Hastelloy

## MixRite Configurator

PUMP CODE	1-2	3-4	5-6	7	8-9	10-11
<b>Fixed prefix</b>	28=Pumps	01=MixRite 1, 3/4" BSPT 02=MixRite 2.5, 3/4" BSPT 03=TF5, 1" NPT 04=TF 5, 1" BSPT 05=TF5, 32mm 08=TF10, 1 1/2 NPT 09=TF10, 1 1/2 BSPT 10=TF10, 50mm 23=TF25, 2" NPT 24=TF25, 2" BSPT 25=TF25, 63mm 30=MixRite 3.5, 3/4" BSPT	01=0.1%-0.9% 02=0.3%-2% 04=0.4%-4% 05=0.5%-5% 10=1%-10% 11=1% Fix 21=0.03%-0.2% 22=0.2 Fix 28=0.8 Fix	0=air release 1=ON/OFF	'00=Standard P0=Poultry C0=Industry CL=Chlorine CW=Car wash IV=PVDF I0=Internal By Pass B0=External By Pass	00
<b>Pump model + connector thread (BSP/NPT/Compression)</b>						
<b>Dosage %</b>						
<b>Cover option</b>						
<b>Application</b>						
<b>Additional information</b>						
<b>Sample: 280202CL00</b> MixRite 2.5, 0.3% - 2%, CL	28	02	02	0	CL	00



## Technical Information

Model	Flow Rate Range	Pressure Range	Dosage Rate %	Connectors Diameter Thread
MixRite 1	20-1000 l/h	0.2-8 bar	0.2% - 2%	3/4" BSPT
	20-1000 l/h	0.2-8 bar	0.4% - 4%	3/4" BSPT
MixRite 2.5	7-2500 L/H	0.2-8 bar	0.1% - 0.9%	3/4" BSPT
	7-2500 L/H	0.2 - 8 bar	0.3% - 2%	3/4" BSPT
	7-2500 L/H	0.2 - 8 bar	0.4% - 4%	3/4" BSPT
MixRite 3.5	10-3500 L/H	0.2-8 bar	0.3% - 2%	3/4" BSPT
	10-3500 L/H	0.2-8 bar	0.5% - 5%	3/4" BSPT
	50-3500 L/H	0.2-8 bar	1% - 10%	3/4" BSPT
MixRite TF-5	100-5000 L/H	1 - 8 bar	0.5% - 5%	1", BSPT

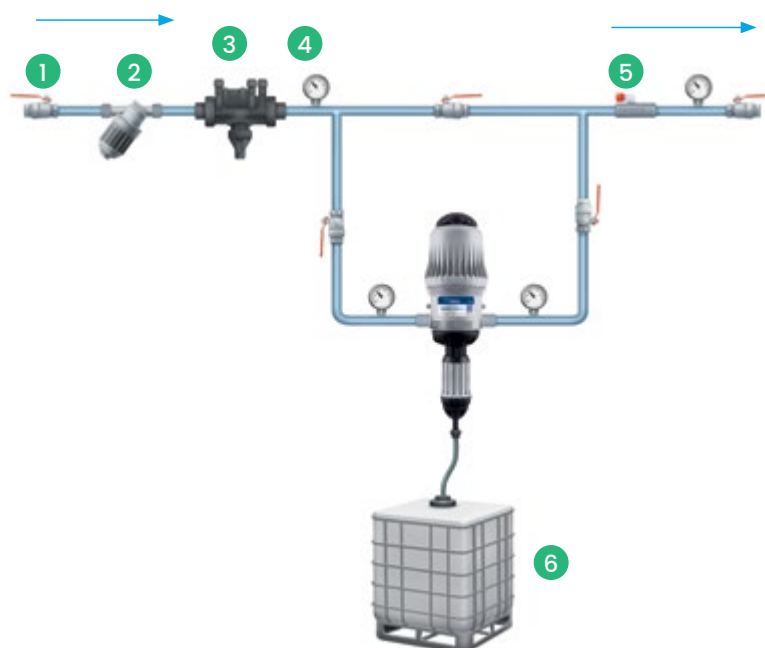
## Choosing the right MixRite medicator size

Mixrite 2.5 0.3-2% / 0.4-4%	Mixrite 3.5 0.3-2%	Mixrite TF-5 0.1-1%
* 8,000 to 50,000 Birds	* Up to 70,000 Birds	* More than 70,000 Birds

\*Birds size up to 4 kg

## Typical installation for Animal Health application

1. Valve
2. Filter
3. Backflow Preventer
4. Manometer
5. Anti Siphon Valve
6. Additive Tank



# MixRite InjectRite

## InjectRite™

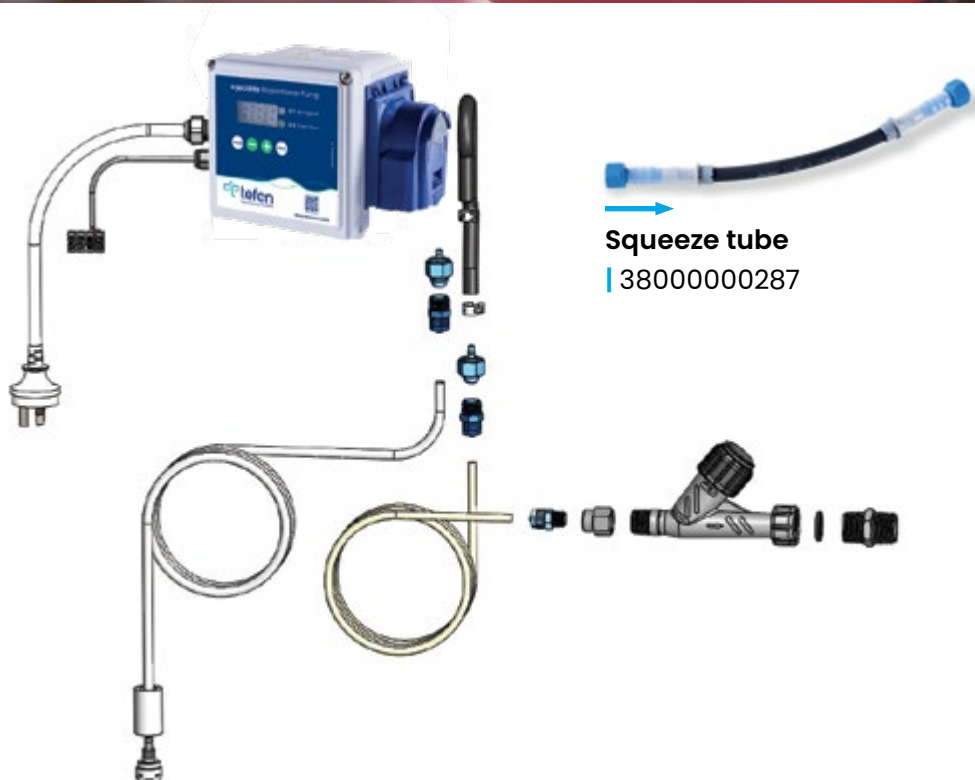
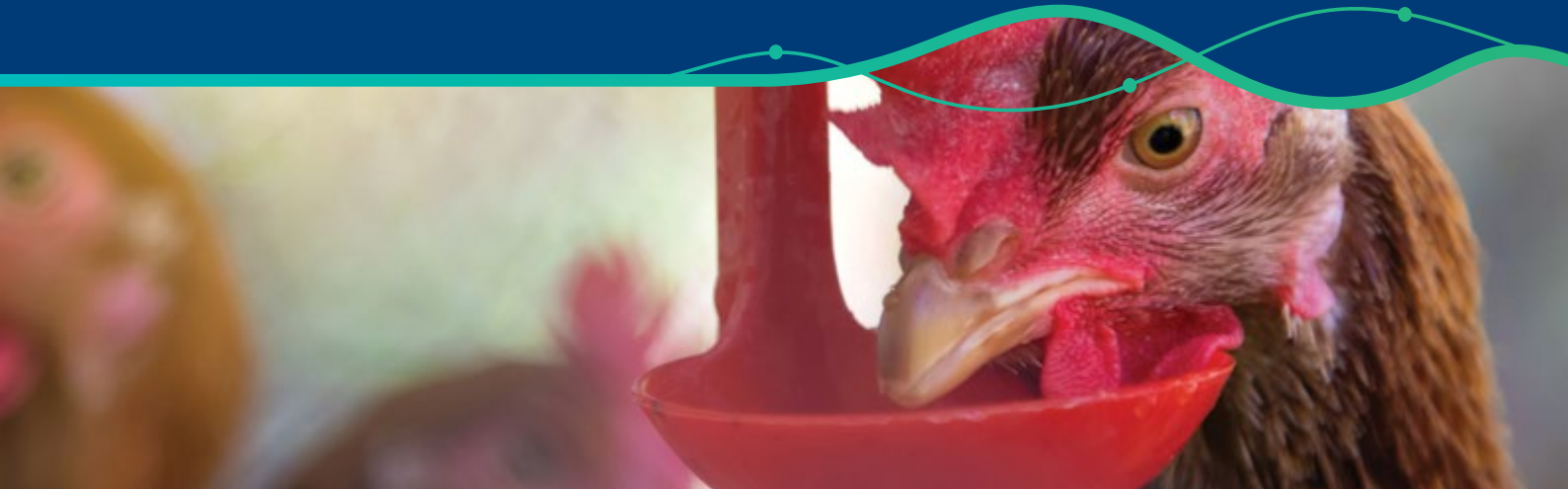
### Proportional Peristaltic Pump

#### Features and Benefits

- Ensures continuous and homogeneous solution during water system operation
  - High accuracy and repeatability
  - Fast dosage adjust-ability for both low and high flow rates
  - Excellent aggressive chemical resistance
  - Optional connection of additional pump to the water meter for parallel operation which enables usage of additive 2 types & ensures increased additive amount.
  - Easy and fast maintenance – easy tube replacement
  - NOT affected by water quality
  - Smart, simple electronic interface
- Error identification system for: overflow, lack of signal water meter
  - Peristaltic pump set includes: squeeze tube, suction tube, check valve & discharge tube
  - Sensor that indicates lack of flow is located in the suction tube (option)



Mainline flow rate l/h	20 min, 2000 max (according to water meter signal output)
Dosage rates	0.2%, 0.25%, 0.5%, 0.75%, 1.0%, 1.25%, 1.5%, 1.75%, 2.0%
Max. Counter pressure bar	1.5
Max. injected volume	10 l/h
Hydraulic connections	3/4" bspt
Power	220v (110v)
Tube material	santoprene
Operation trigger	dry pulse (from water meter)
Water meter output	eu – 1 pulse per liter

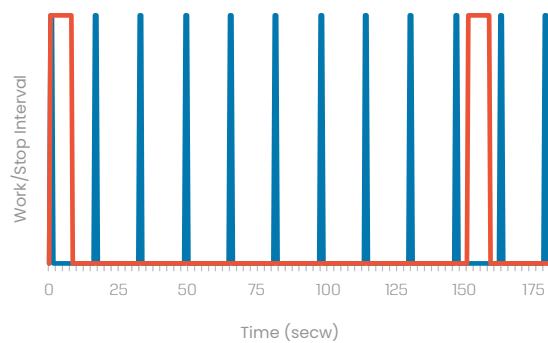


## Choosing the Dosing Percentage

Dosage %	Injected Volume l/h					
<b>2%</b>	0.40	2.00	10.00			
<b>1.75%</b>	0.35	1.75	8.75			
<b>1.5%</b>	0.30	1.50	7.50			
<b>1.25%</b>	0.25	1.25	6.25			
<b>1%</b>	0.20	1.00	5.00	10.00		
<b>0.75%</b>	0.15	0.75	3.75	7.50		
<b>0.5%</b>	0.10	0.50	2.50	5.00	7.50	10.00
<b>0.25%</b>	0.05	0.25	1.25	2.50	3.75	5.00
<b>0.2%</b>	0.04	0.20	1.00	2.00	3.00	4.00
	<b>20</b>	<b>100</b>	<b>500</b>	<b>1000</b>	<b>1500</b>	<b>2000</b>
	Main Line Flow Rate - l/h					

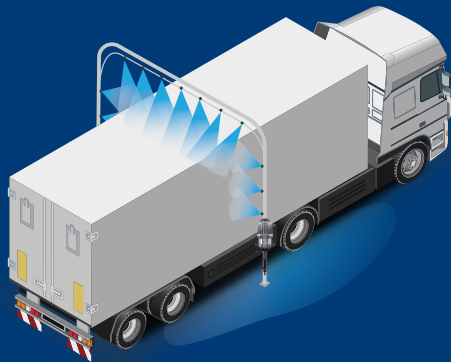
## Duty Cycle (at low flows)

Cycle of the pump @ low flows



Reading the pulses in high frequency provides optimal and homogeneous solution.

## Disinfection Gate



Tefen disinfection gates; all developed and produced by Tefen, from pumps through tubes to nozzles and fittings; to ensure cleaner farm environment; which improve profitable yields. Sterility is critical to farm success.

## Fogging / Spraying Nozzles



Large range of plastic nozzles. available also with integral non drip system, for fogging, cooling, misting and dust control



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