

MixRite™

ANIMAL HEALTH APPLICATIONS

Starting
7 L/H

From day old
to maturity



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



MixRite 1
CL

2.5



MixRite 2.5
P0



MixRite 2.5
Internal Bypass

3.5



MixRite 3.5
PVDF



MixRite 3.5
P0



MixRite 3.5
CL

TF-5



MixRite TF-5
P0

MixRite™ MEDICATORS

Animal Health applications



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

Configurator

PUMP CODE	1-2	3-4	5-6	7	8-9	10-11
Fixed prefix	28=Pumps	01=MixRite 1, 3/4" BSPT 02=MixRite 2.5, 3/4" BSPT 03=TF5, 1" NPT 04=TF 5, 1" BSPT 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%	0=air release 1=ON/OFF	'00=Standard P0=Poultry C=Industry CL=Chlorine IV=PVDF I0=Internal By Pass B0=External By Pass	00 01
Pump model + connectord thread (BSP/NPT/Compression)						
Dosage %						
Cover option						
Application						
Additional information						
Sample: 2802020CL00 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

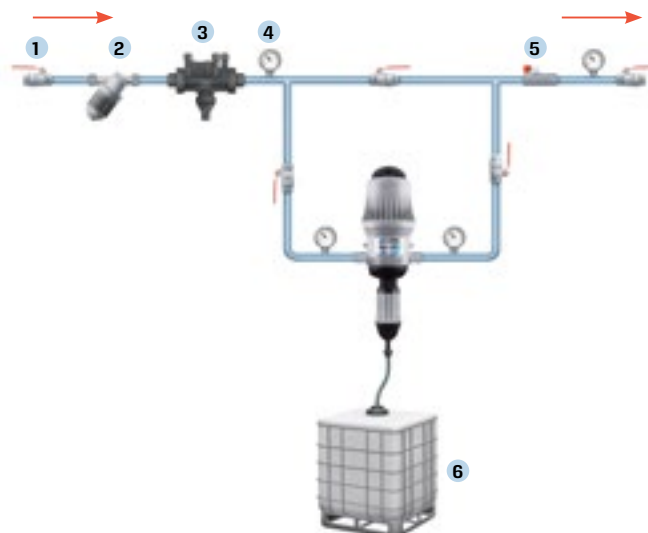
Choosing the right MixRite medicator size

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™ PR-1.5

Proportional Peristaltic Pump

InjectRite™



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 | 2

Max. injected volume | 10 l/h

Hydraulic connections | 3/4" bspt

Power | 220v (110v)

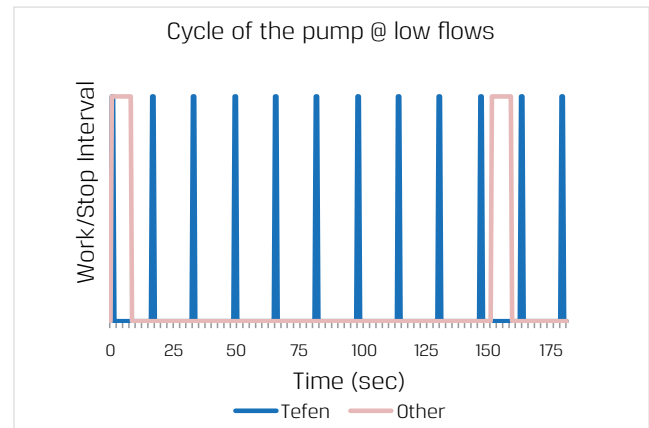
Tube material | santoprene

Operation trigger | dry pulse (from water meter)

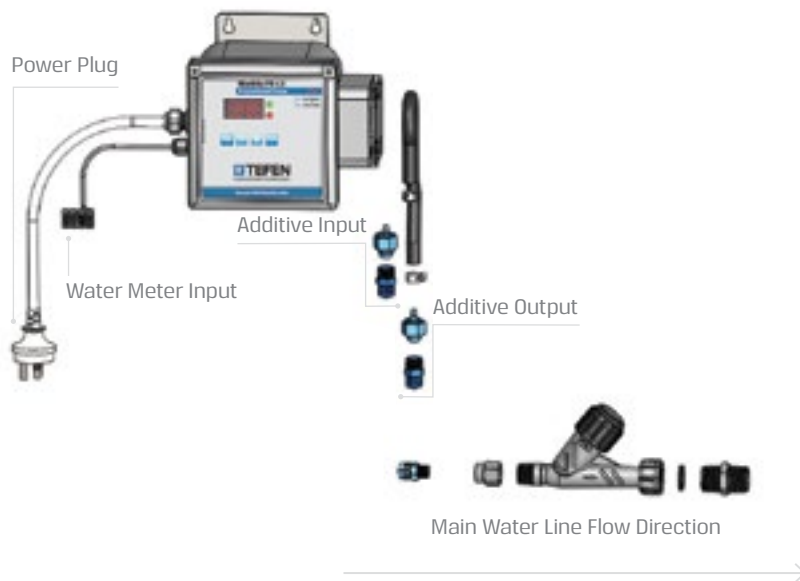
Water meter output | eu - 1 pulse per liter



Duty Cycle (at low flows)



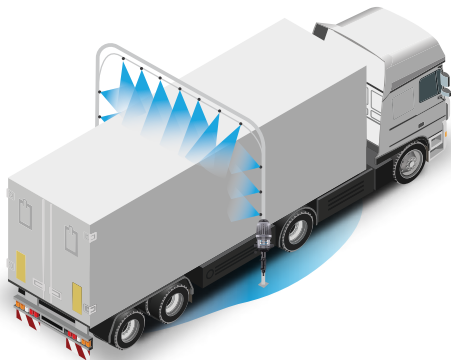
Reading the pulses in high frequency provides optimal and homogeneous solution.



Choosing the Dosing Percentage

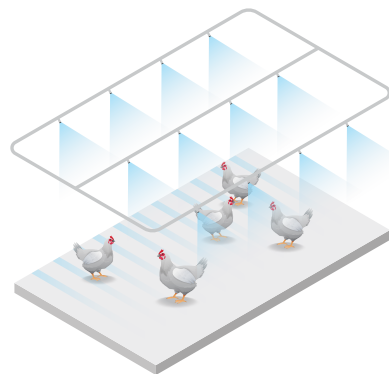
Dosage %	Injected Volume l/h						
2%	0.40	2.00	10.00				
1.75%	0.35	1.75	8.75				
1.5%	0.30	1.50	7.50				
1.25%	0.25	1.25	6.25				
1%	0.20	1.00	5.00	10.00			
0.75%	0.15	0.75	3.75	7.50			
0.5%	0.10	0.50	2.50	5.00	7.50	10.00	
0.25%	0.05	0.25	1.25	2.50	3.75	5.00	
0.2%	0.04	0.20	1.00	2.00	3.00	4.00	
	20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

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 drop valve system, for fogging, cooling, misting and dust control