

MixRite

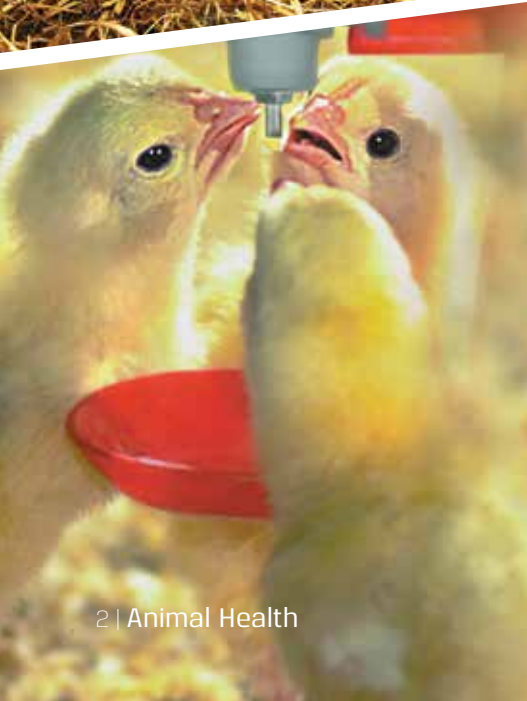
ANIMAL HEALTH APPLICATIONS



From day old
to maturity



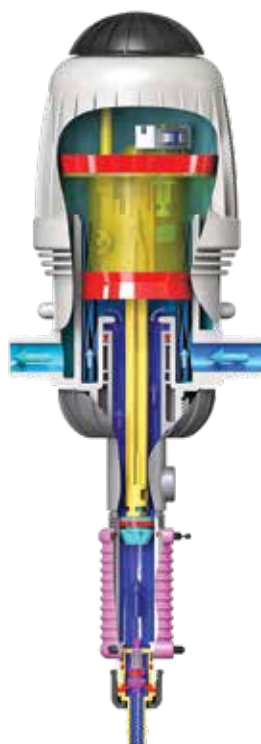
Animal Health applications



The **MixRite** medicators 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 medicators will enable you to dose into the water line treatments such as:

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

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



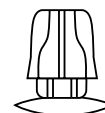
Features

- LFR system-enables operation of the medicator from 7 L/H (0.03 GPM)
- 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

Animal Health applications

MixRite 1

Application	Sleeve Color	TEFEN Code	Seal Material	Spring Material
Chlorine		CL	Viton	Hastelloy

MixRite 2.5

Application	Sleeve Color	TEFEN Code	Seal Material	Spring Material
Animal Health		PO	NBR, EPDM	SST, Hastelloy
Chlorine		CL	Viton	Hastelloy
Internal Bypass		IBP	EPDM	SST, Hastelloy

MixRite 3.5

Application	Sleeve Color	TEFEN Code	Seal Material	Spring Material
Animal Health		PO	NBR, EPDM	SST, Hastelloy
Chlorine		CL	Viton	Hastelloy
Acid		PVDF	Aflas	Hastelloy

MixRite TF-5

Application	Sleeve Color	TEFEN Code	Seal Material	Spring Material
Animal Health		PO	NBR, EPDM	SST, Hastelloy
Chlorine		CL	Viton	Hastelloy

* For more applications please contact us

Configurator

	28	XX	XX	0 or 1	XX	00
Fixed prefix						
Pump model + Connector thread (BSP/NPT/Compression)		02=MixRite 2.5, 3/4"BSPT 30=MixRite 3.5, 3/4"BSPT 04=MixRite 5, 1"BSPT				
Dosage %			01=0.1%-0.9% 02=0.3%-2% 04=0.4%-4% 05=0.5%-5% 10=1%-10%			
Operation option				(0) air release (1) ON/OFF		
Application					'00=Standard P0=Poultry CL=Chlorine IV=PVDF IO=Internal By Pass BO=External By Pass	
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
	30-1000 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	20-5000 L/H	1 - 8 bar	0.5% - 5%	1", BSPT

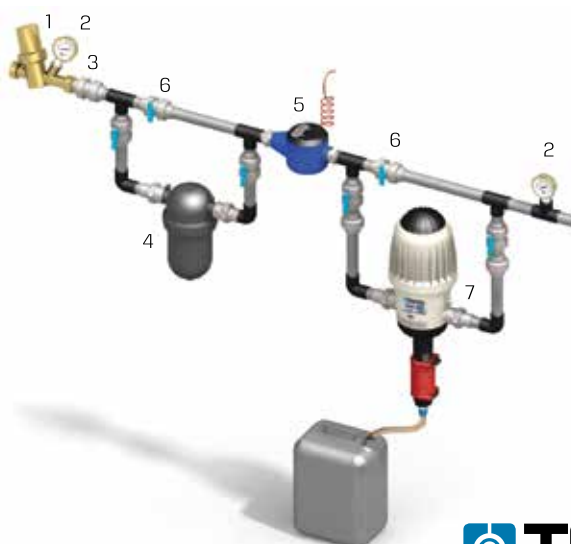
Choosing the right MixRite medicator size

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. Pressure regulator
2. Pressure Gauge
3. Check Valve
4. Water filter - 130 micron minimum
5. Water Meter with Pulse
6. Bypass valve
7. MixRite Medicator



Proportional Peristaltic Pump



Tefen's new proportional peristaltic pump is designed to guarantee precise additive injection to a main line, by reading signals from a water meter. The pump adapts to changes in the main line, ensuring continuous and homogenous solution.

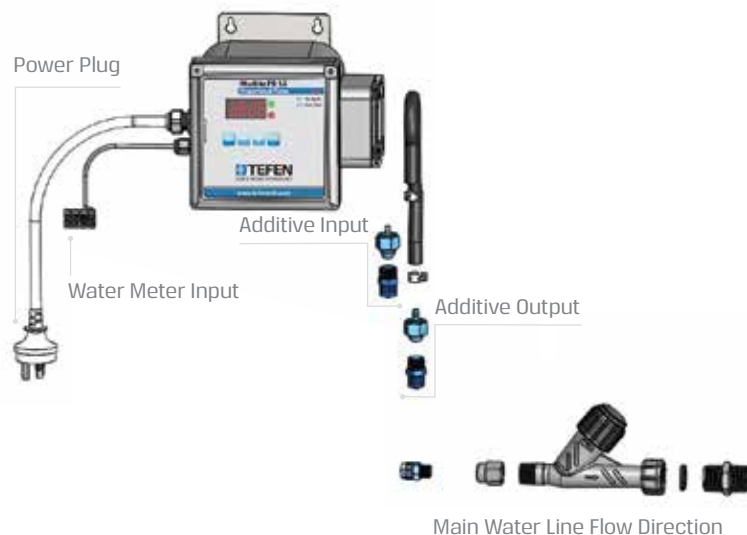
Key Features

- Fast dosage adjust-ability for both low and high flow rates
- High accuracy and repeatability
- Excellent aggressive chemical resistance
- Minimum serviceability - easy tube replacement
- Clever, simple electronic interface
- Main line flow and dosage rate digital display
- Error identification system for:
 - Overflow
 - Lack of flow
 - Lack of signal

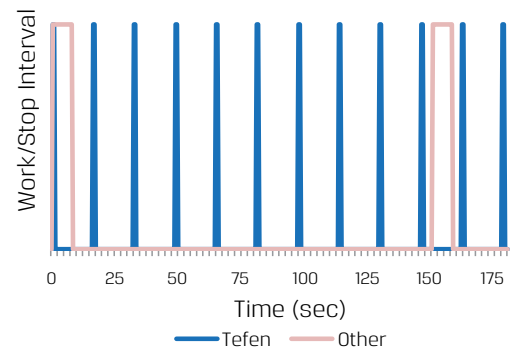
Feature	Value
Mainline Flow Rate l/h	20...2000 (according to flow meter range)
Dosage Rates	0.2%, 0.25%, 0.5%, 0.75%, 1.0%, 1.25%, 1.5%, 1.75%, 2.0%
Max. Counter Pressure bar	2.5
Hydraulic Connections	1/2" or 3/4" BSPT
Power	220V (110V)
Tube material	Santoprene
Operation Trigger	Dry pulse (from water meter)
Water meter output	EU - 1 Pulse per Liter



Duty Cycle (at low flows)



Cycle of the pump @ low flows

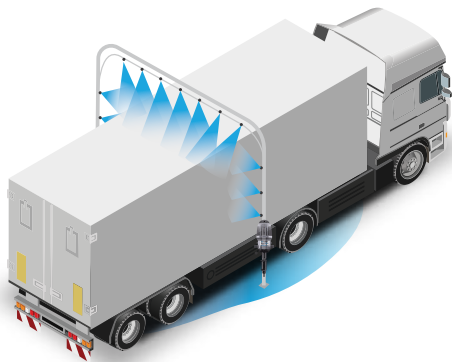


Reading the pulses in high frequency provides optimal and homogeneous solution.

Choosing the Dosing Percentage

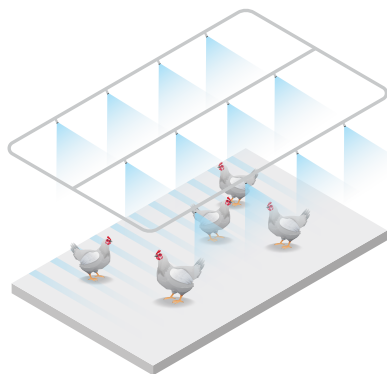
Dosage %	Injected Volume l/h						
2%	0.40	2.00	10.00				
1.75%	0.35	1.75	8.75				
1.5%	0.30	1.50	7.50				
1.25%	0.25	1.25	6.25				
1%	0.20	1.00	5.00	10.00			
0.75%	0.15	0.75	3.75	7.50			
0.5%	0.10	0.50	2.50	5.00	7.50	10.00	
0.25%	0.05	0.25	1.25	2.50	3.75	5.00	
0.2%	0.04	0.20	1.00	2.00	3.00	4.00	
	20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