

MixRite™ Water treatment



 **tefen**
Flow & Dosing Solutions

Keep your business flowing.
Tefenitely.

About Tefen

Tefen is a leading manufacturer of environmental friendly, non-electric volumetric equipment and flow products since 1970.

Tefen's MixRite proportioning dosing pumps, line, are used to ensure precise additive injection directly into the water or fluid line. For many reasons this is the right choice for you.

Applications

- Chlorination
- Sanitation
- Water Disinfection

MixRite™

The Tefen MixRite water powered dosing pump is user friendly and ingenious system that has demonstrated its value in over 90 countries.

Tefen is certified by ISO 9001 2015

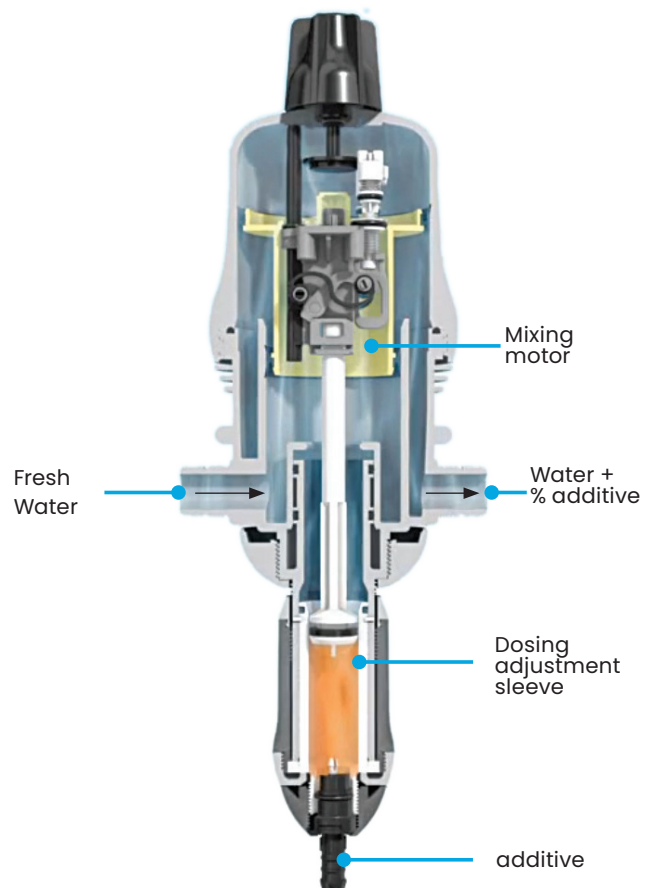


Advantages of using MixRite

- Hydraulic, volumetric and non-electric
- Dosing proportional to water flow rate
- Excellent dosing repeatability and homogeneity
- Easy dosing adjustment
- Easy to install, operate and maintain

Adjusting the MixRite pump

The injection rate is set up manually by rotating the sleeve to the desired proportion. The amount of injected concentrate is proportional to the amount of water flowing into the MixRite pump.



Chlorination for rural areas or emergencies:

- It is estimated that 2.6 billion people do not have satisfactory access to drinking water
- The production of drinking water in rural areas or emergencies requires reliable equipment that is suitable for extreme conditions such as lack of electricity or local constraints
- Typical concentration and dosing:
 - Sodium Hypochlorite: 0.3 – 5 PPM
 - Chlorine Dioxide: 0.3 – 5 PPM
 - Hydrogen Peroxide: 1 PPM and above
- All concentration and dosing levels refer to the water content.

PH Control

- For PH Control there is a wide range of acids that are being used, such as: Sulphoric acid, Chloric Acid, Phosphoric acid, Nitric Acid



Sanitization and Disinfection

MixRite proportional dosing pumps are widely used for Sanitation and Disinfection of water lines.

Industries under this application:

- Food processing and sanitation
- Beer line cleaning
- Operating theaters – surface cleaning and disinfection
- Cleaning and Sanitary additives to be dosed and injected including glutaraldehyde and organic acids such as:
 - peracetic acid, formic acid, etc.
 - quadranary ammoniums, etc.



MixRite™ Dosing Pumps



MixRite™ 2.5 Series

Low Flow Rate

0.1-0.9% | 0.3-2% | 0.4-4%

Water pressure	0.2 – 8 bar (2.9-120 psi)
Flow Rate	10 – 2500 l/h (1.85-660) gal/h
Weight	1.8 kg (4 pound)
Coupling	3/4"



MixRite™ 3.5 Series

0.3-0.2% | 0.1-0.9% |
0.3-2% | 0.5-5% | 1-10%

Water pressure	0.2 – 8 bar (2.9-120 psi)
Flow Rate	10 – 3500 l/h (2.65-930) gal/h
Weight	1.8 kg (4 pounds)
Coupling	3/4"

* 1-10% – 3.6 kg



MixRite™ TF-5

0.1-1% | 0.2-2% | 0.5-5%

Water pressure	1 – 8 bar (14.7-120 psi)
Flow Rate	0.1 – 5 m3/h (0.8-22 GPM)
Weight	5 kg (11 pounds)
Coupling	1" or 32 mm

* Legs available upon special request



MixRite™ TF-10

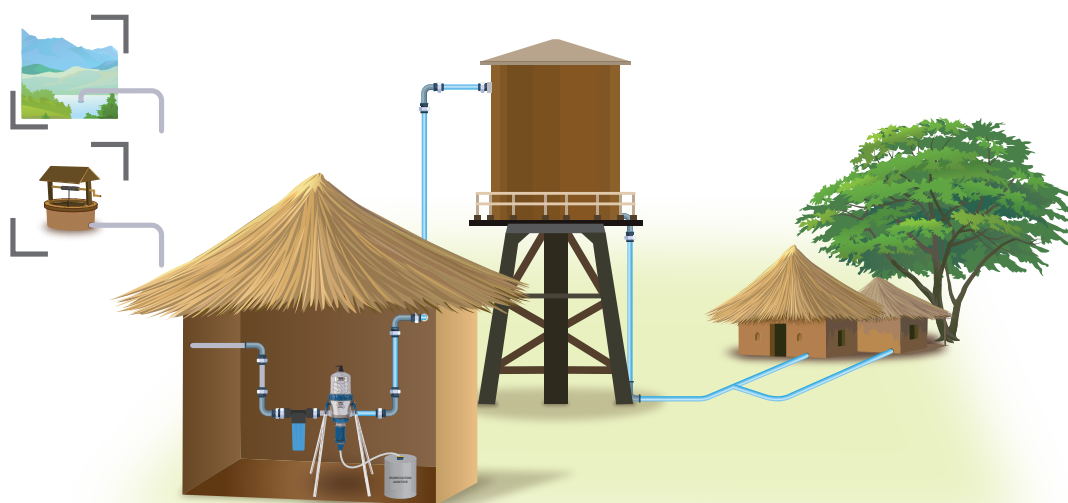
0.1-1% | 0.2-2% | 1-5%

Water pressure	1 – 8 bar (14.7-120 psi)
Flow Rate	0.1 – 10 m3/h (2-45 GPM)
Weight	7.3 kg (16.27 pounds)
Coupling	1.5" or 50 mm

* Legs available upon special request

Spec \ type	Model	Flow rate Range	Dosage rate	Min-max injection Rate per Hour
MIXRITE 2.5	0.1% - 0.9%	10-2500 l/h	1:1000 - 1:111	0.01 - 22.5 l/h
	0.3% - 2%	10-2500 l/h	1:333 - 1:50	0.03 - 50 l/h
	0.4% - 4%	10-2500 l/h	1:250 - 1:25	0.04 - 100 l/h
	0.3% - 2% by-pass	20-2500 l/h	1:333 - 1:50	0.06 - 50 l/h
	0.4% - 4% by-pass	20-2500 l/h	1:250 - 1:25	0.08 - 100 l/h
	0.3% - 2% Internal by-pass	20-2500 l/h	1:333 - 1:50	0.06 - 50 l/h
	0.4% - 4% Internal by-pass	20-2500 l/h	1:250 - 1:25	0.08 - 100 l/h
MIXRITE 3.5	0.03% - 0.2%	10-3500 l/h	1:3333 - 1:500	0.003 - 7 l/h
	0.1% - 0.9%	10-3500 l/h	1:1000 - 1:111	0.01 - 31.5 l/h
	0.3% - 2%	10-3500 l/h	1:333 - 1:50	0.03 - 70 l/h
	0.5% - 5%	10-3500 l/h	1:200 - 1:20	0.05 - 175 l/h
	1% - 10%	50-3500 l/h	1:100 - 1:10	0.5 - 350 l/h
	1%-10% Internal by-pass	50-3500 l/h	1:100 - 1:10	0.5 - 350 l/h
TF-5	0.1 - 1%	0.1-5 m³/h	1:1000 - 1:100	0.1 - 50 l/h
	0.2 - 2%	0.1-5 m³/h	1:500 - 1:50	0.2 - 100 l/h
	0.5 - 5%	0.1-5 m³/h	1:200 - 1:20	0.5 - 250 l/h
TF-10	0.1 - 1%	0.1-10 m³/h	1:1000 - 1:100	0.1 - 100 l/h
	0.2 - 2%	0.1-10 m³/h	1:500 - 1:50	0.2 - 200 l/h
	1 - 5%	0.1-10 m³/h	1:100 - 1:20	1 - 500 l/h

Drinking Water Purification





WATER TREATMENT

Water treatment is any process that improves the quality of water to make it more acceptable for a specific end-use. The end use may be drinking, industrial water supply, irrigation, river flow maintenance, water recreation or many other uses, including being safely returned to the environment.

As one of the world's leading suppliers of industrial piping products; Tefen Flow Products

offers a comprehensive range of integrated solutions to meet the needs of water and wastewater facilities. Superior to the competition, the Tefen system consisting of Fittings, Valves, and Pipes ensures uniform performance throughout treatment facilities. Noncorroding properties ensure long-term performance coupled with low maintenance costs.



PVDF FITTINGS



For PVDF material only



WATER PRE-FILTER



VALVES



QUICK RELEASE SOCKET





Tefen Flow & Dosing Technologies Ltd.

Kibbutz Nahsholim, 3081500 Israel | Tel. 972 4 6395554 | info@tefentech.com | tefentech.com

ISO 9001
2015 certified



For the removal of any doubt, this documents does not constitute an offer on the part of Tefen and/or any undertaking on its part. Tefen may change the content of this document and/or the technical specifications of the products and/or add and/or remove products and/or change prices and/or any terms and conditions specified in this document at any time and upon its sole discretion without any prior notice.