



# MixRite<sup>TM</sup>

AGRICULTURE | HORTICULTURE | GREENHOUSE





**MixRite®**  
**Fertilizer & Chemical**  
**injectors are water**  
**driven only, with no**  
**other energy required**



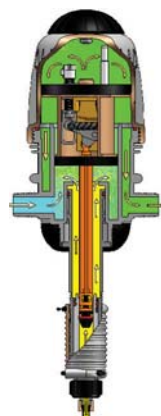
**MixRite® I n j e c t o r s**

**A step up from**

### **Application**

- Fertigation
- Water Treatment
- Supplementation
- Disinfection and Cleaning of Lines and Installations
- Fertigation for sprinkler systems
- Irrigation
- pH control

### **Different Models**



**Standard**  
**Perfect Blending**



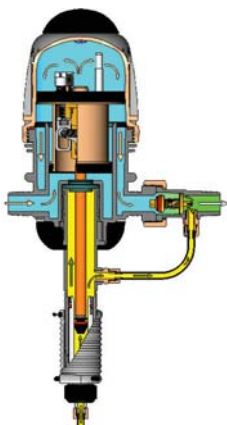
## How does it work?

- Water driven, non-electric
- Piston driven by water flow
- Solution is added in proportion to water flow for accurate mixing
- Solution constantly added as water flows through unit
- Ratio of additive remains constant

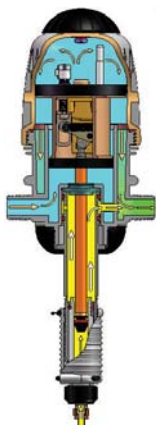
# the past



## Different Methods



**External Bypass**  
**Chemical Resistant**



**Internal Bypass**  
**Chemical Resistant Compact**





## MixRite® Models

### TF-10

**TF-10-001:** Rate of additive: 0.1% to 1%

**TF-10-002:** 0.2% to 2%

**TF-10-005:** 1% to 5%

Water pressure from 1-8 bar (14.7 to 120PSI)

Flow Rate from 0.5-10 m³ (2 to 45GPM)

Size: 53x29 cm (20.18" high x 11.36" wide)

Weight: 5.530 kg (12.2 pound)

Coupling: 50 mm or 1.5"



### TF-15

**TF-15-001:** Rate of additive: 0.1% to 1%

**TF-15-002:** 0.3% to 2.5%

**TF-15-005:** 1% to 5.5%

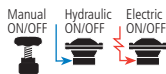
Water pressure from 1-8 bar (14.7 to 120PSI)

Flow Rate from 2-15 m³ (4.4 to 66 GPM)

Size: 153x39 cm (60.45" high x 15.45" wide)

Weight: 15.5 kg (34.2 pound)

Coupling: 2"



### TF-25

**TF-25-001:** Rate of additive: 0.1% to 1%

**TF-25-002:** 0.3% to 2.5%

**TF-25-005:** 1% to 5.5%

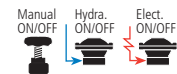
Water pressure from 1-8 bar (14.7 to 120PSI)

Flow Rate from 2-25 m³ (4.4 to 110 GPM)

Size: 153x39 cm (60.45" high x 15.45" wide)

Weight: 15.5 kg (34.2 pound)

Coupling: 63 mm or 2" x 2" (Double union)



**2502**

Rate of additive: 0.3% to 2%

Water Pressure from 0.2-8 bar (2.9 to 120PSI)

Flow rate from 20-2500 l/h (5.3 to 660 Gal/h)

Size: 56x18.5 cm (22" high x 7.27" wide)

Weight: 1.270 kg (2.8 pound)

Coupling: 3/4"

Manual  
ON/OFF

**2504**

Rate of additive: 0.4% to 4%

Water Pressure from 0.2-8 bar(2.9 to 120 PSI)

Flow rate from 30-2500 l/h (8 to 660 Gal/h)

Size: 56x18.5 cm (22" high x 7.27" wide)

Weight: 1.270 kg (2.8 pound)

Coupling: 3/4"

Manual  
ON/OFF

**2506**

Fix Rate of additive: 6%

Water Pressure from 0.2-8 bar (2.9 to 120 PSI)

Flow rate from 40-2500 l/h (10 to 660 Gal/h)

Size: 56x18.5 cm (22" high x 7.27" wide)

Weight: 1.270 kg (2.8 pound)

Coupling: 3/4"

Manual  
ON/OFF





# MixRite® Models

## 2510

Rate of additive: 3% to 10%  
 Water Pressure from 0.2-8 bar (2.9 to 120 PSI)  
 Flow rate from 50-2500 l/h (13.3 to 660 Gal/h)  
 Size: 56-16 cm (22" high x 6.2" wide)  
 Weight: 1.580 kg (3.5 pound)  
 Coupling: 3/4"

## 2512

Dosing By Pass Injector  
 Rate of additive: 0.3% to 2%  
 Water Pressure from 0.2-8 bar (2.9 to 120 PSI)  
 Flow rate from 40-2500 l/h (10 to 660 Gal/h)  
 Size: 56-18.5 cm (22" high x 7.27" wide)  
 Weight: 1.580 kg (3.5 pound)  
 Coupling: 3/4"

## 2514

Dosing By Pass Injector  
 Rate of additive: 0.4% to 4%  
 Water Pressure from 0.2-8 bar (2.9 to 120 PSI)  
 Flow rate from 100-2500 l/h (26 to 660 Gal/H)  
 Size: 55.8x18.5 cm (22" high x 7.27" wide)  
 Weight: 1.580 kg (3.5 pound)  
 Coupling: 3/4"

Manual  
ON/OFF



Manual  
ON/OFF



Manual  
ON/OFF





**CAUTION** All injectors must have a back-flow prevention valve installed on the inlet side of the injector according to local specifications.

## 12500

Rate of additive: 0.2% fixe dosing

Water Pressure from 0.2-8 bar (2.9 to 120 PSI)

Flow rate from 20-2500 l/h (5.3 to 660 Gal/h)

Size: 56x16 cm (22" high x 6.3" wide)

Weight: 1.270 kg (2.8 pound)

Coupling: 3/4"

## PVDF Models\*

Water Pressure from 0.2-8 bar (2.9 to 120 psi)

Flow rate from 20-2500 l/h (5.3 to 660 Gal/h)

Size: 56x16 cm (22" high x 7.27" wide)

Weight: 1.270 kg (3.5 pound)

Coupling: 3/4"

## MixRite Cart

- 35 liter (9.5 gallon capacity)
  - Rubberized pneumatic tyres
  - Hose hook on rear of unit
  - Equipped with a spray gun
  - Can be available with all 3/4" Models
- Cat.No. 38000000180

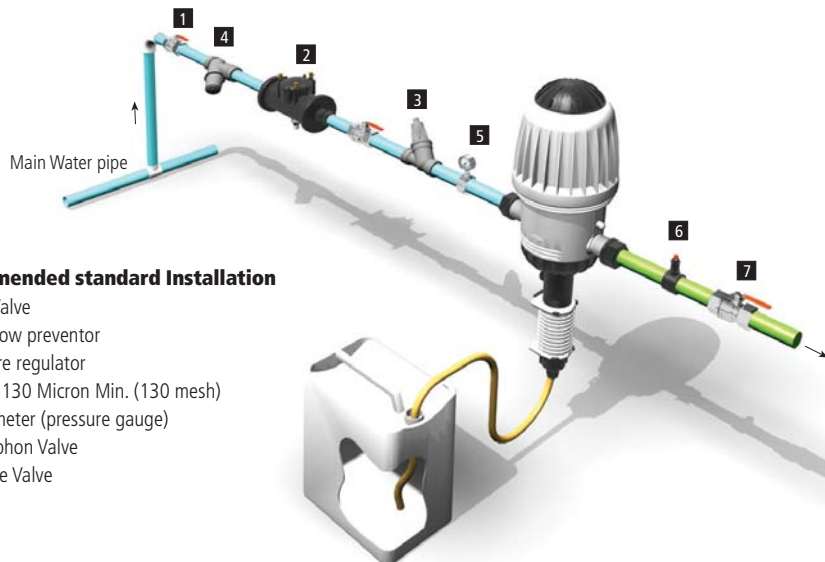


\*Optional: PVDF Body and Hastelloy components are available for very aggressive chemical applications



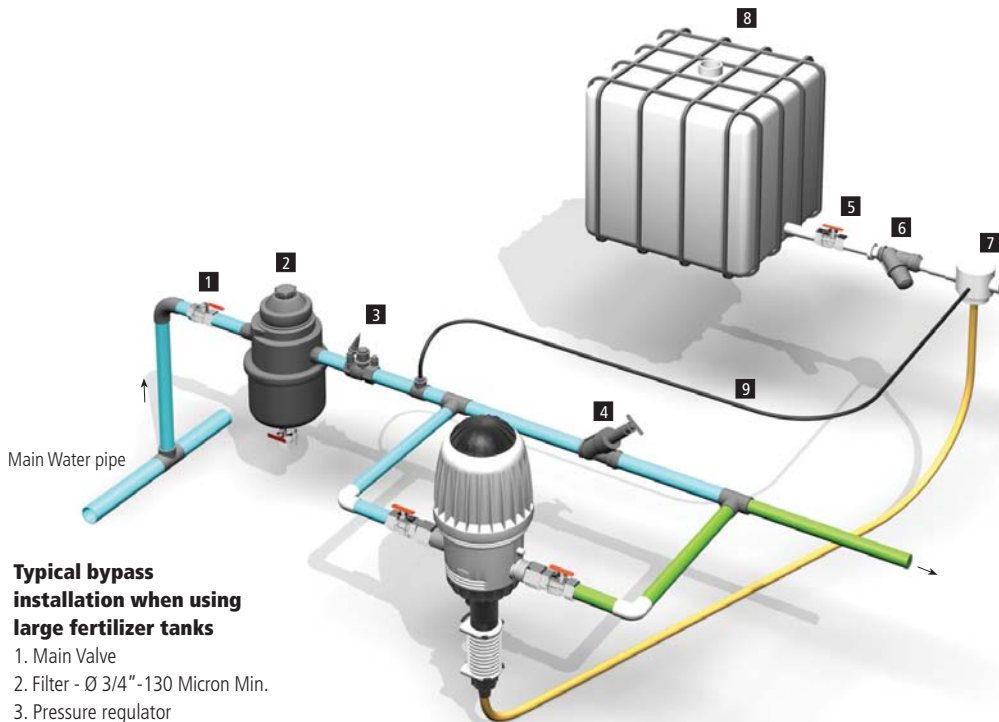


## Recommended installations



### Recommended standard Installation

1. Main Valve
2. Back flow preventor
3. Pressure regulator
4. Filter - 130 Micron Min. (130 mesh)
5. Manometer (pressure gauge)
6. Anti siphon Valve
7. Operate Valve



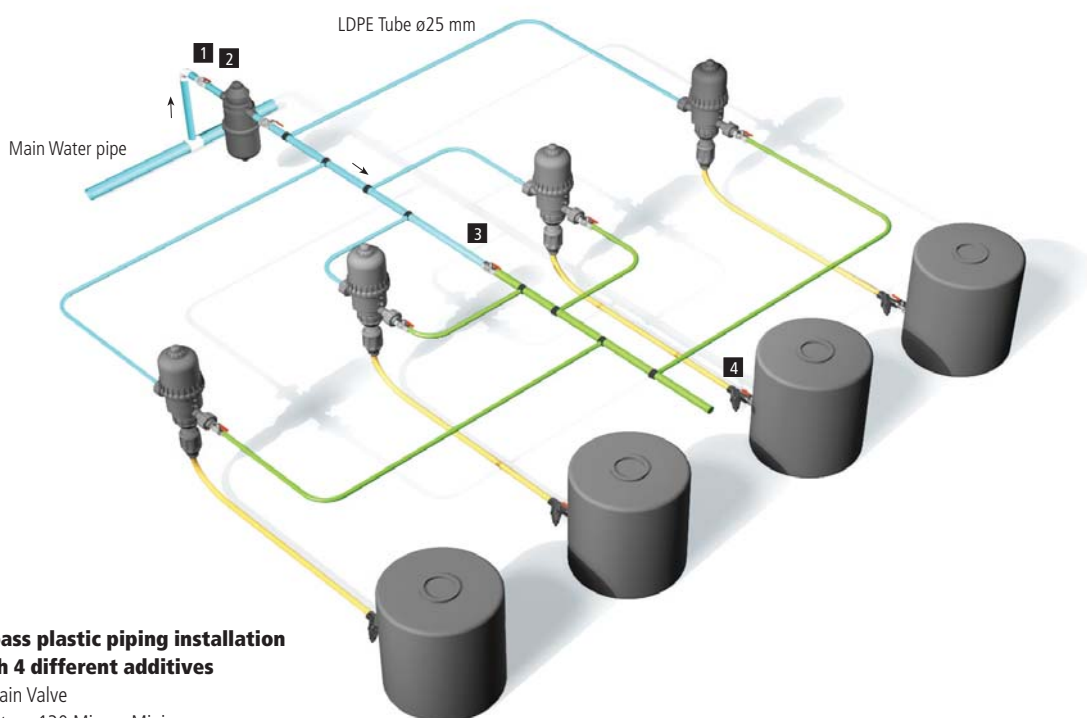
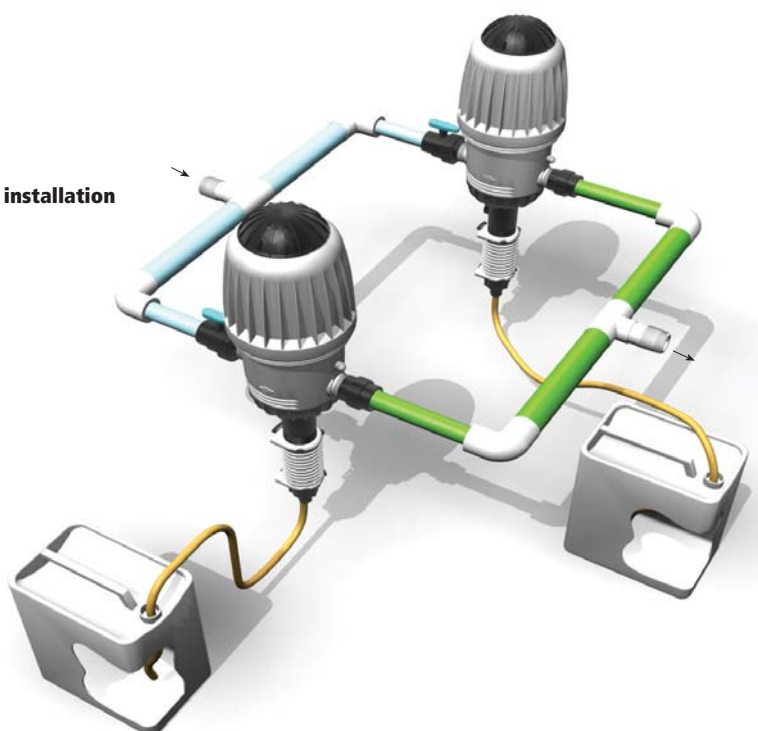
### Typical bypass installation when using large fertilizer tanks

1. Main Valve
2. Filter - Ø 3/4" - 130 Micron Min.
3. Pressure regulator
4. Choking Valve
5. PVC fertilizer Valve
6. Fertilizer Filter
7. Normally close hydraulic Fertilizer Valve
8. Fertilizer solution tank
9. 5/16" command tube





**DoRite  
Parallel installation**

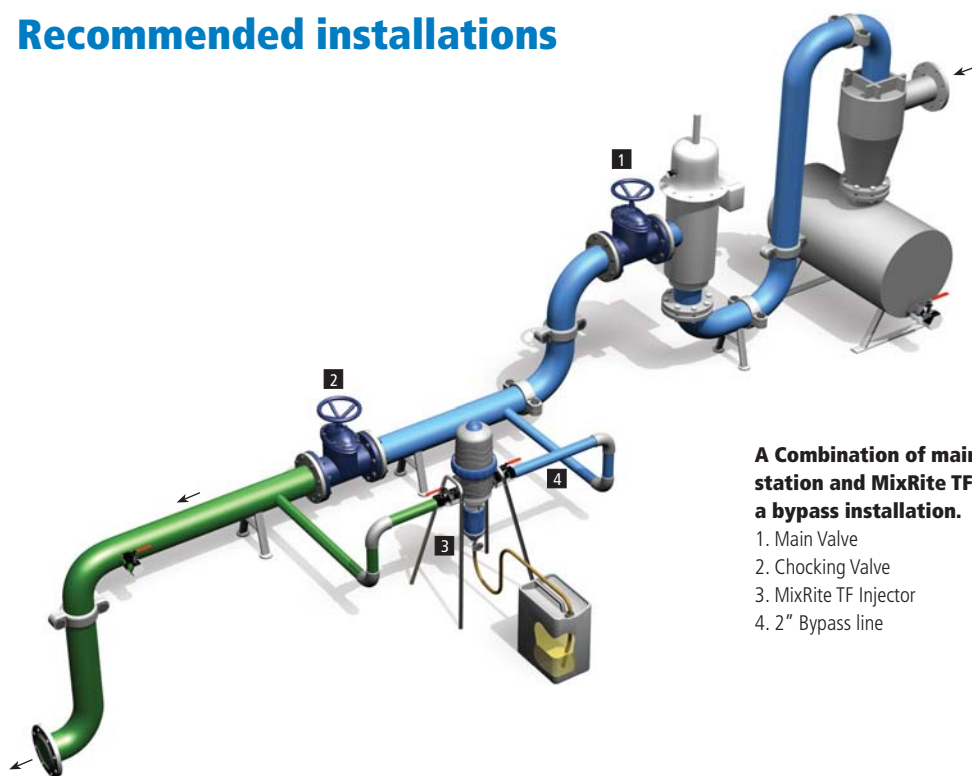


**Bypass plastic piping installation  
with 4 different additives**

1. Main Valve
2. Filter - 130 Micron Minimum
3. Chocking Valve
4. Fertilizer filter

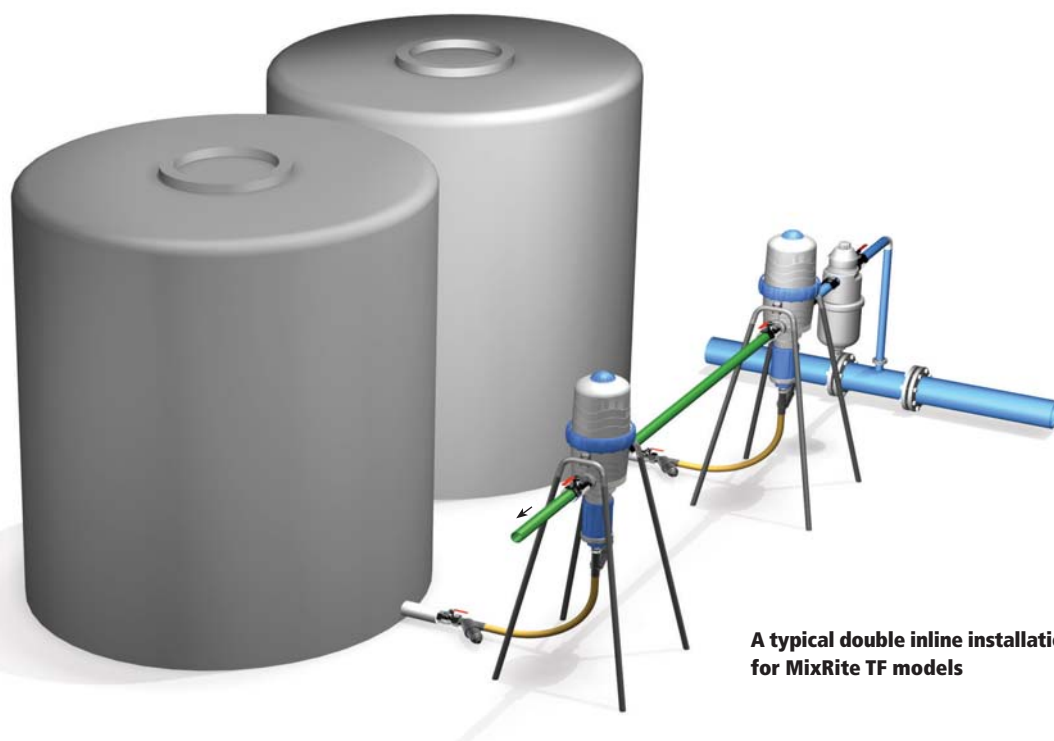


## Recommended installations

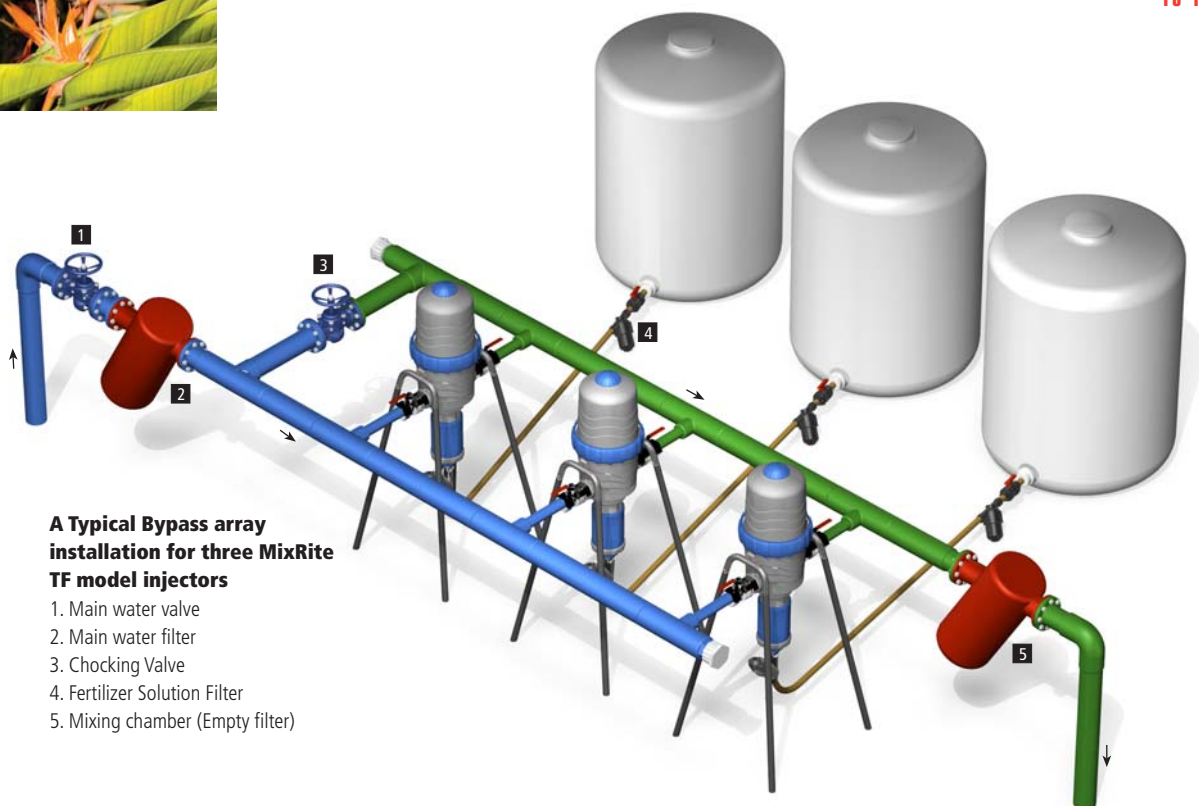


**A Combination of main filtration station and MixRite TF injector on a bypass installation.**

- 1. Main Valve
- 2. Chocking Valve
- 3. MixRite TF Injector
- 4. 2" Bypass line



**A typical double inline installation for MixRite TF models**

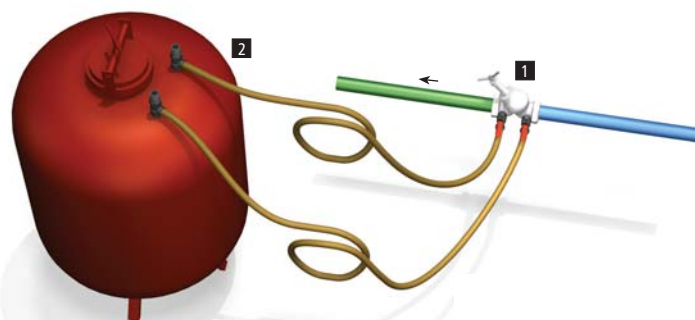


**A Typical Bypass array installation for three MixRite TF model injectors**

1. Main water valve
2. Main water filter
3. Chocking Valve
4. Fertilizer Solution Filter
5. Mixing chamber (Empty filter)

**The OLD manual way**

- Un even distribution
- Manual refill

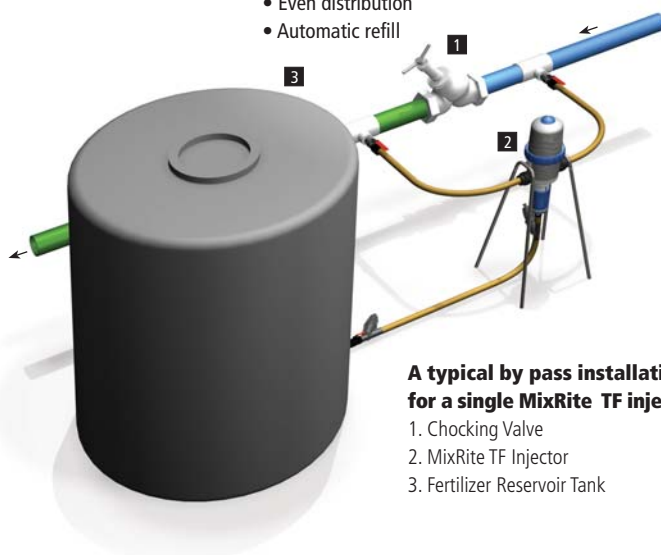


**A Typical installation for a pressure diluting tank.**

1. Chocking Valve
2. Pressure diluting tank

**The NEW automatic way**

- Even distribution
- Automatic refill



**A typical by pass installation for a single MixRite TF injector.**

1. Chocking Valve
2. MixRite TF Injector
3. Fertilizer Reservoir Tank





# AgroRite 2" Water Treatment unit

**Water flow up to 25m<sup>3</sup> (110 gpm)**  
The system will allow all 3/4" MixRite units a true proportioning injection.  
Specially designed for aggressive additives.  
The system provides constant rate between 2" main line and 3/4" by pass line. (9:1)





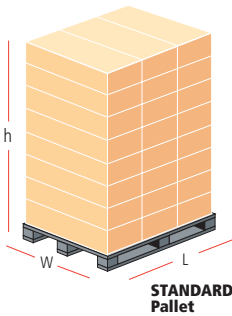
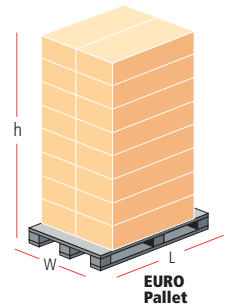
# PulseRite System Pulse transmitting system

The system allows all common professional irrigation controllers to collect the data regarding the amount of fertilizer or additive injected by the MixRite injector.  
The data transmitted into the controller can be used to record the quantities of fertilizer or additive injected into the irrigation system.  
The system can fit all 3/4" MixRite models.



# Packing Dimensions

	Unit Box Size	Pallet type	 Height 187 cm (h)	 Height 158 cm (h)
MixRite 3/4" Models	35x47x52 cm (1.3x1.8x2 Inch)	Plastic pallet 120x103 cm	148 Units	120 Units
	35x47x52 cm (1.3x1.8x2 Inch)	Euro pallet 120x80 cm	105 Units	105 Units
TF 10 Models	92x39x24.5 cm (3.6x1.5x0.9 Inch)	Plastic pallet 120x103 cm	24 Units	13 Units
	92x39x24.5 cm (3.6x1.5x0.9 Inch)	Euro pallet 120x80 cm	16 Units	8 Units
TF 15/25 Models	45x96x29 cm (18x38x11 Inch)	Plastic pallet 120x103 cm	16 Units	13 Units
	45x96x29 cm (18x38x11 Inch)	Euro pallet 120x80 cm	10 Units	8 Units



## General Technical Information

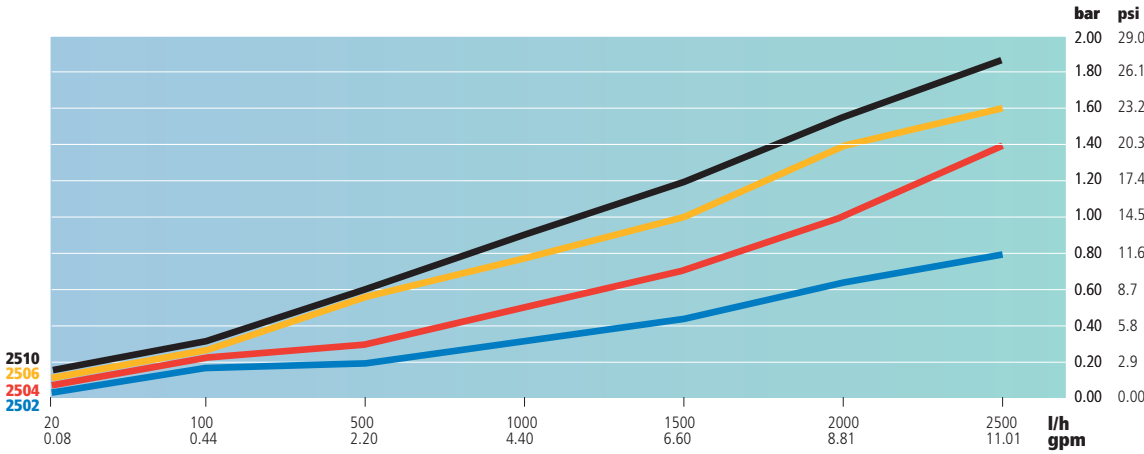
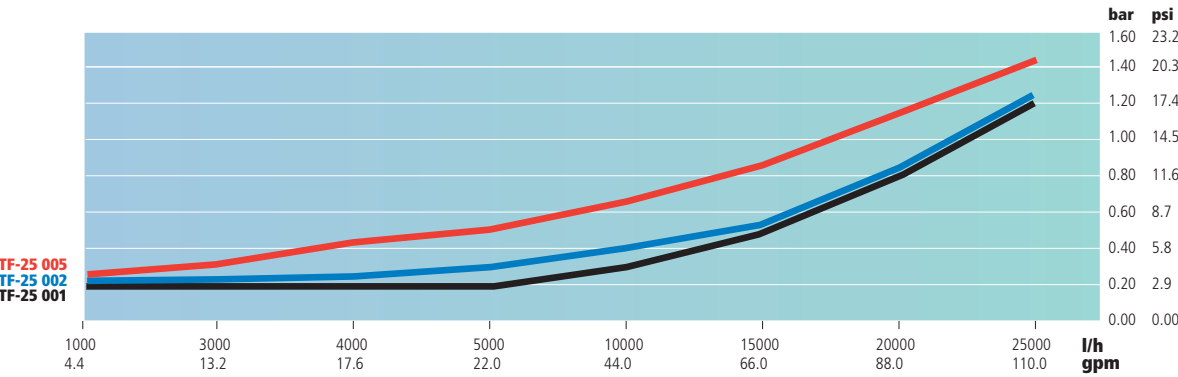
Model	Flow Rate Range	Pressure Range	Dosage Rate %	Connectors Diameter Thread	Min - Max injection rate per hour	Remarks
<b>2500</b>	20-2500 l/h 0.088 to 11	0.2 - 8 bar 2.9 - 120 psi	0.2% Fix	3/4"	5 l/h 1.32 gph	BSPT Thread
<b>2501</b>	20-2500 l/h 0.088 to 11	0.2 - 8 bar 2.9 - 120 psi	0.8% Fix	3/4"	20 l/h 5.3 gph	BSPT Thread
<b>2508</b>	20-2500 l/h 0.088 to 11	0.2 - 8 bar 2.9 - 120 psi	0.1 - 0.8	3/4"	0 - 20 l/h 0 - 5.3 gph	BSPT Thread
<b>2502</b>	20-2500 l/h 0.088 to 11	0.2 - 8 bar 2.9 - 120 psi	0.3 - 2	3/4"	0.6 - 50 l/h 0.16 - 13.22 gph	BSPT Thread
<b>2504</b>	30-2500 l/h 0.13 to 11	0.2 - 8 bar 2.9 - 120 psi	0.4 - 4	3/4"	0.12 - 100 l/h 0.03 - 26.5 gph	BSPT Thread
<b>2506</b>	40-2500 l/h 0.16 to 11	0.2 - 8 bar 2.9 - 120 psi	6% Fix	3/4"	150 l/h 39.7 gph	BSPT Thread
<b>2510</b>	50-2500 l/h 0.16 to 11	0.2 - 8 bar 2.9 - 120 psi	3 - 10	3/4"	1.5 - 250 l/h 0.4 - 66.14 gph	BSPT Thread Optional foot valve
<b>2512</b>	2500 l/h 11 gpm	0.2 - 8 bar 2.9 - 120 psi	0.3 - 2	3/4"	0.12 - 50 l/h 0.03 - 13.22 gph	BSPT External Bypass
<b>2514</b>	2500 l/h 11 gpm	0.2 - 8 bar 2.9 - 120 psi	0.4 - 4	3/4"	0.4 - 100 l/h 0.1 - 26.5 gph	BSPT External Bypass
<b>2516</b>	2500 l/h 11 gpm	0.2 - 8 bar 2.9 - 120 psi	6% Fix	3/4"	150 l/h 39.7 gph	BSPT External Bypass
<b>2512 - in</b>	2500 l/h 11 gpm	0.2 - 8 bar 2.9 - 120 psi	0.3 - 2	3/4"	0.12 - 50 l/h 0.03 - 13.22 gph	BSPT Internal Bypass
<b>2514 - in</b>	2500 l/h 11 gpm	0.2 - 8 bar 2.9 - 120 psi	0.4 - 4	3/4"	0.4 - 100 l/h 0.1 - 26.5 gph	BSPT Internal Bypass
<b>2516 - in</b>	2500 l/h 11 gpm	0.2 - 8 bar 2.9 - 120 psi	6% Fix	3/4"	150 l/h 39.7 gph	BSPT Internal Bypass
<b>TF 10-001</b>	500 - 10,000 2 - 45 gpm	1 - 8 bar 14.7 - 120 psi	0.1 - 1	1 1/2"	0.5 - 100 l/h 0.13 - 26.5 gph	BSPT External, NPT External 50 mm*
<b>TF 10-002</b>	500 - 10,000 2 - 45 gpm	1 - 8 bar 14.7 - 120 psi	0.2 - 2	1 1/2"	1 - 200 l/h 0.26 - 53 gph	BSPT External, NPT External 50 mm*
<b>TF 10-005</b>	500 - 10,000 2 - 45 gpm	1 - 8 bar 14.7 - 120 psi	1 - 5	1 1/2"	5 - 500 l/h 1.32 - 132.3 gph	BSPT External, NPT External 50 mm*
<b>TF 15-001</b>	2 - 15,000 9 - 66 gpm	1 - 8 bar 14.7 - 120 psi	0.1 - 1	2"	2 - 150 l/h 0.53 - 39.7 gph	BSPT External, NPT External
<b>TF 15-002</b>	2 - 15,000 9 - 66 gpm	1 - 8 bar 14.7 - 120 psi	0.2 - 2.5	2"	30 - 300 l/h 79.9 - 79.7 gph	BSPT External, NPT External
<b>TF 15-005</b>	2 - 15,000 9 - 66 gpm	1 - 8 bar 14.7 - 120 psi	1 - 5.5	2"	20 - 825 l/h 5.3 - 218 gph	BSPT External, NPT External
<b>TF 25-001</b>	2 - 25 m <sup>3</sup> 9 - 110 gpm	1 - 8 bar 14.7 - 120 psi	0.1 - 1	63 mm	2 - 250 l/h 0.53 - 66.14 gph	63 mm compression fittings** Available on 2" BSP / 2" NPT
<b>TF 25-002</b>	2 - 25 m <sup>3</sup> 9 - 110 gpm	1 - 8 bar 14.7 - 120 psi	0.2 - 2.5	63 mm	4 - 625 l/h 1.06 - 165.4 gph	63 mm compression fittings** Available on 2" BSP / 2" NPT
<b>TF 25-005</b>	2 - 25 m <sup>3</sup> 9 - 110 gpm	1 - 8 bar 14.7 - 120 psi	1 - 5.5	63 mm	20 - 1375 l/h 5.3 - 364 gph	63 mm compression fittings** Available on 2" BSP / 2" NPT

**Optional:** PVDF Body and Hastelloy springs  
components are available for aggressive chemical applications

\* **Optional:** 50 mm x 1 1/12" union thread adaptors  
\*\* **Optional:** 63 mm x 2" / 2 1/2" union thread adaptors



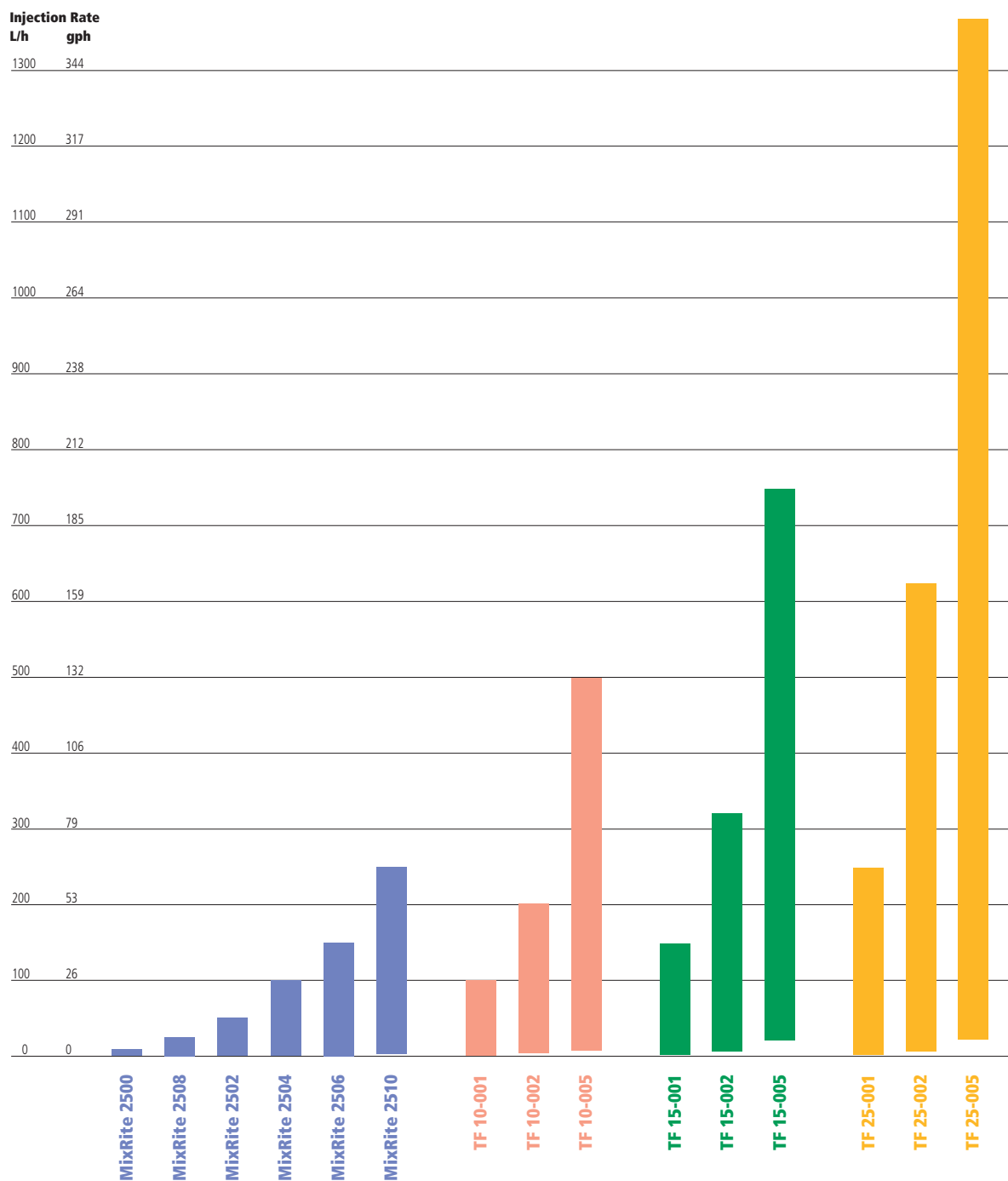
# Pressure Loss Tables







## Max. injection rate per hour - MixRite® Models





## Recommended Accessories



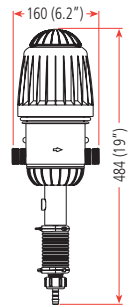
**3/4" FlowGuard**  
Cat. No. 38220000002



**3/4" Pressure Regulator**  
Cat. No. 38030200002



**Remote Hydraulic on/off system**



**MixRite 3/4" Models**



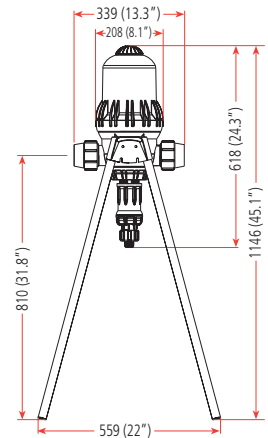
**Suction foot valve**  
Cat. No. 36000000029



**3/4" Fertiguard**  
Cat. No. 38220000001



**Plastic Wall mounting bracket**  
cat no. 360030162765  
For all "3/4 MixRite models



**MixRite TF-10 Models**



**3/4" Static Pressure regulator**  
Cat. No. 38030200001



**3/4" Water Filter**  
Cat. No. 38000000172



**Plastic wall mounting bracket and stand base**  
cat no. 35125001872  
For MixRite TF10 models



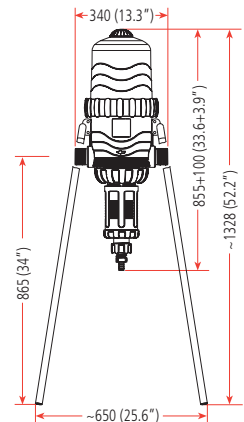
**3/4" Anti siphon kit**  
Cat. No. 36073008002



**3/4" Back flow preventor**  
Cat. No. 38030200004



**Stainless Steel Wall mounting Bracket**  
Cat. No. 35000000010  
For models TF15 + TF25



**MixRite TF-15/25 Models**



**Manual ON/OFF Option**  
Cat. No. 28240210000



**Hydraulic remote control ON/OFF Option**  
Cat. No. 282402A0000



**Electric remote control ON/OFF Option**  
24 V AC - Cat. No. 282402A00AC  
24 V DC - Cat. No. 282402A00DC  
2 wires 12-40 VDC Latch - Cat. No. 282402A2LCH  
3 wires 12-40 VDC Latch - Cat. No. 282402A3LCH



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