



MixRite™

AGRICULTURE | HORTICULTURE | GREENHOUSE





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

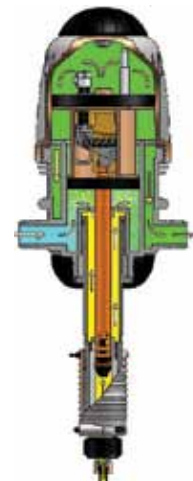
MixRite® I n j e c t o r s

A step up from

Application

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

Different Models



**Standard
Perfect Blending**



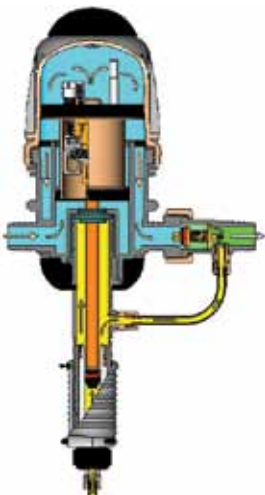
How does it work?

- 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

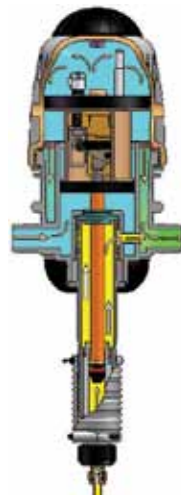


the past

Different Methods



External Bypass
Chemical Resistant



Internal Bypass
Chemical Resistant Compact



MixRite® Models

TF-5

TF-5-001: Rate of additive: 0.1 - 1%

TF-5-002: 0.2 - 2%

TF-5-005: 0.5 - 5%

Water pressure: 1 - 8 bar (14.7 - 120 PSI)

Flow Rate: 0.2 - 5 m³/h (0.8 - 22 GPM)

Weight: 5 kg (11 pound)

Coupling: 1" or 32 mm

* Legs available upon special request

TF-10

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

TF-10-002: 0.2 - 2%

TF-10-005: 1 - 5%

Water pressure: 1 - 8 bar (14.7 - 120 PSI)

Flow Rate: 0.5 - 10 m³/h (2 - 45 GPM)

Weight: 7.38 kg (16.27 pound)

Coupling: 1.5" or 50 mm

* Legs available upon special request

TF-25

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

TF-25-002: 0.3 - 2.5%

TF-25-005: 1 - 5.5%

Water pressure: 1 - 8 bar (14.7 - 120 PSI)

Flow Rate: 2 - 25 m³/h (8.8 - 110 GPM)

Weight: 18.60 kg (41.00 pound)

Coupling: 2" or 63 mm

* Legs - Standard supply





MixRite 2.5, 0.3-2% (2502)

Rate of additive: 0.3% to 2%

Water Pressure: 0.2 - 8 bar (2.9 - 120 PSI)

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

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

Weight: 1.8 kg (4 pound)

Coupling: 3/4"

MixRite 2.5, 0.4-4% (2504)

Rate of additive: 0.4% - 4%

Water Pressure: 0.2 - 8 bar (2.9 - 120 PSI)

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

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

Weight: 1.8 kg (4 pound)

Coupling: 3/4"

MixRite 2.5, 6% Fix (2506)

Fix Rate of additive: 6%

Water Pressure: 0.2 - 8 bar (2.9 - 120 PSI)

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

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

Weight: 1.8 kg (4 pound)

Coupling: 3/4"



*All models are supplied with a manual air release.
The manual air release allows primary bleeding of air locked in the water supply lines.
**All models can be equipped with On-Off mechanism which will shut down additive injection, Allowing a continual water flow.



MixRite® Models

MixRite 2.5, 3-10% (2510)

Rate of additive: 3 - 10%
 Water Pressure: 0.2 - 8 bar (2.9 - 120 PSI)
 Flow rate: 50 - 2500 l/h (13.3 - 660 Gal/h)
 Weight: 3.1 kg (6.8 pound)
 Coupling: 3/4"

MixRite 2.5, 0.2% Fix (2500)

Rate of additive: 0.2% fixed dosing
 Water Pressure: 0.2 - 8 bar (2.9 - 120 PSI)
 Flow rate: 20 - 2500 l/h (5.3 - 660 Gal/h)
 Weight: 1.8 kg (4 pound)
 Coupling: 3/4"

MixRite 2.5, 0.3-2%/0.4-4%/6% Fix Internal By Pass

Dosing By Pass Injector
 Rate of additive: 0.3 - 2% / 0.4 - 4% / 6% fix
 Water Pressure: 0.2 - 8 bar (2.9 - 120 PSI)
 Flow rate: 100 - 2500 l/h (26 - 660 Gal/h)
 Weight: 1.8 kg (4 pound)
 Coupling: 3/4"
Optional: External By Pass



*All models are supplied with a manual air release. The manual air release allows primary bleeding of air locked in the water supply lines.
 **All models can be equipped with On-Off mechanism which will shut down additive injection, Allowing a continual water flow.



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

Chlorination Models*

Water Pressure: 0.2 - 8 bar (2.9 - 120 psi)

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

Weight: 1.8 kg (4 pound)

Coupling: 3/4"

PVDF Models**

Water Pressure: 0.2 - 8 bar (2.9 - 120 psi)

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

Weight: 2 kg (4.4 pound)

Coupling: 3/4"

AgroRite

2" Water Treatment unit

Water flow up to 25m³/h (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)

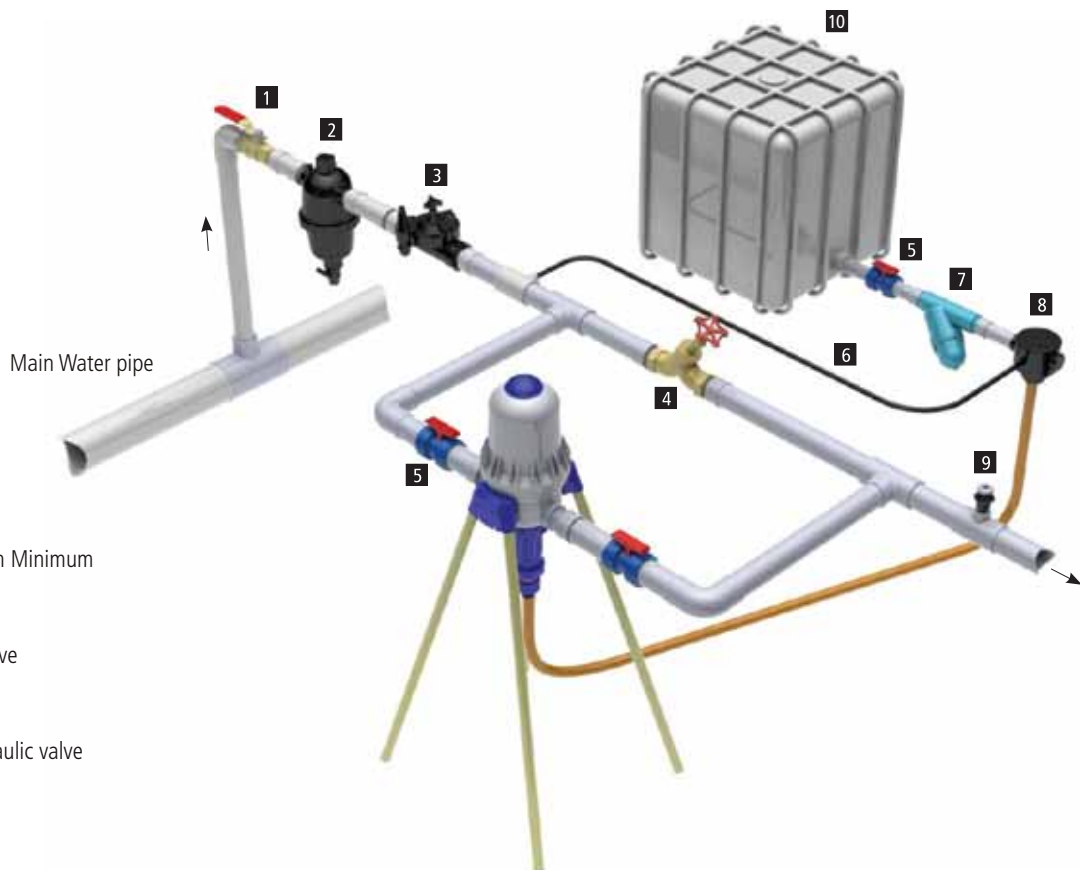
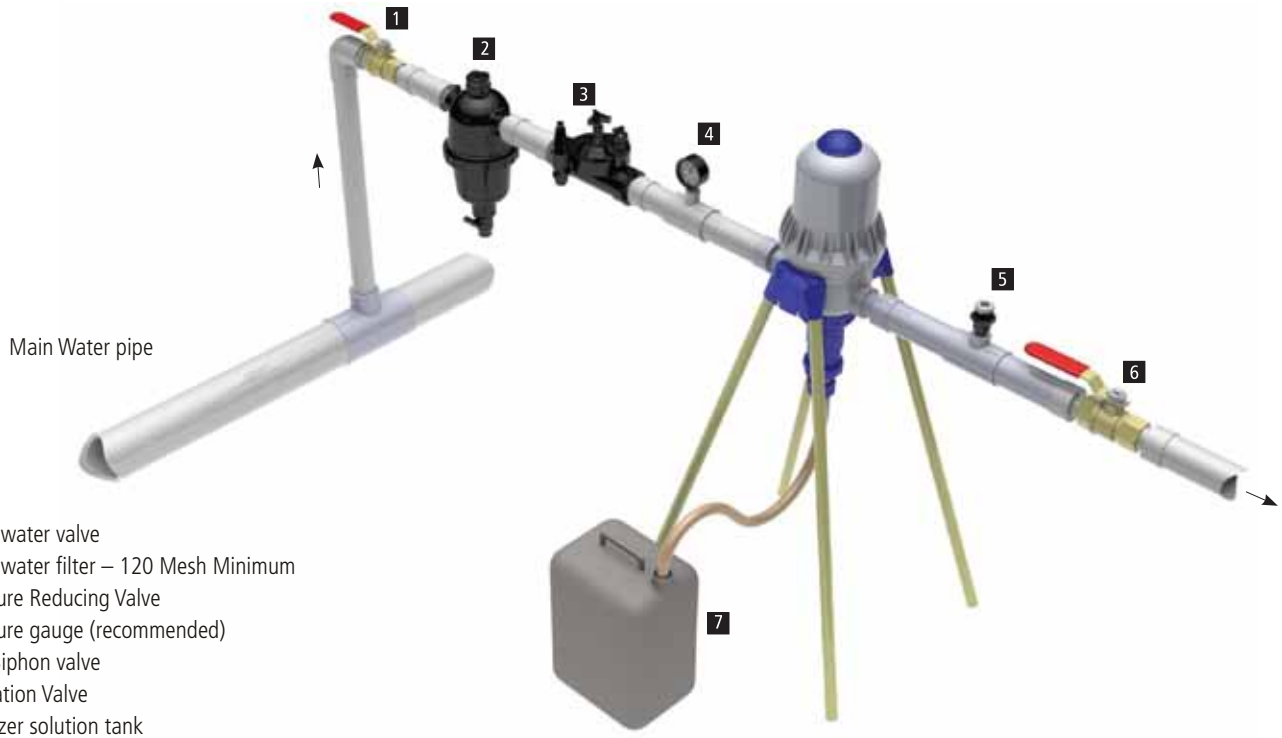


* **Optional:** Unique components are available for injecting active chlorine additives

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

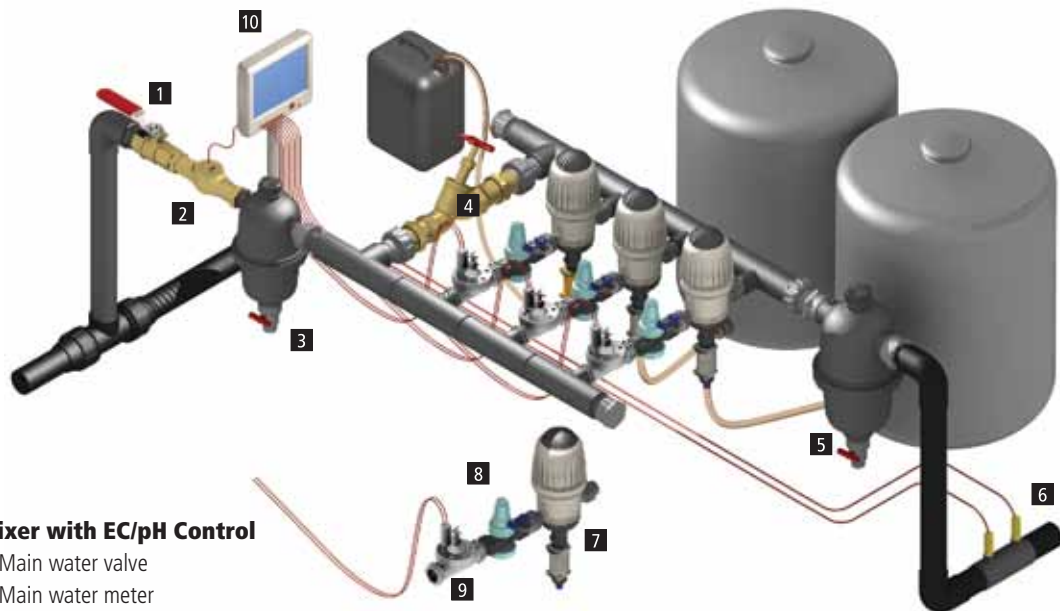
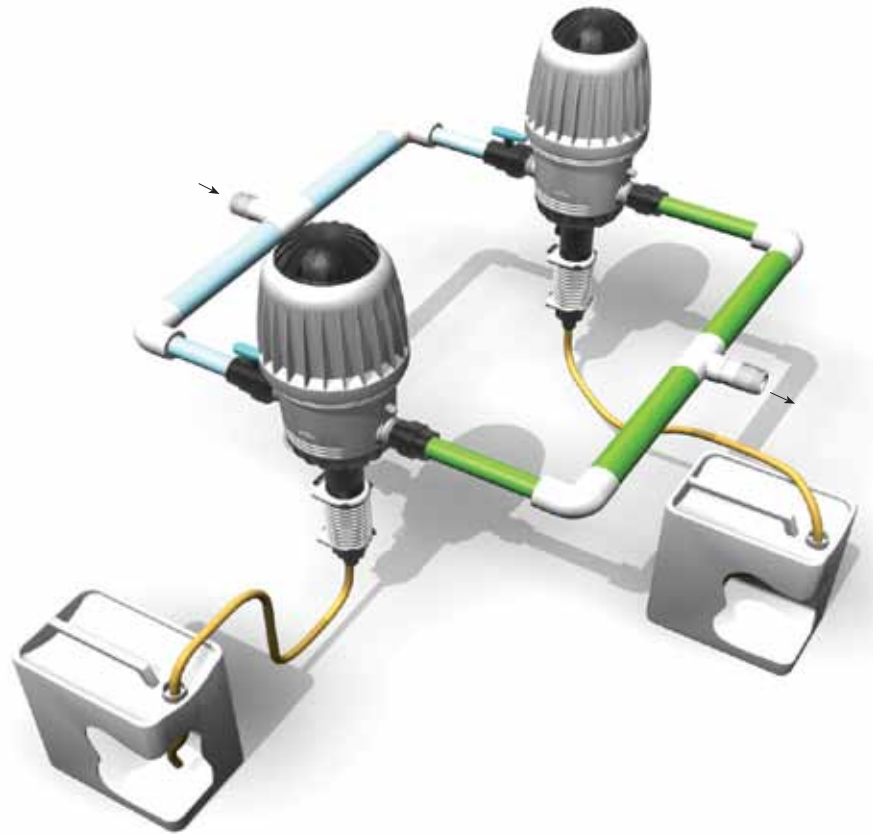


Recommended installations





**DoRite
Parallel installation**

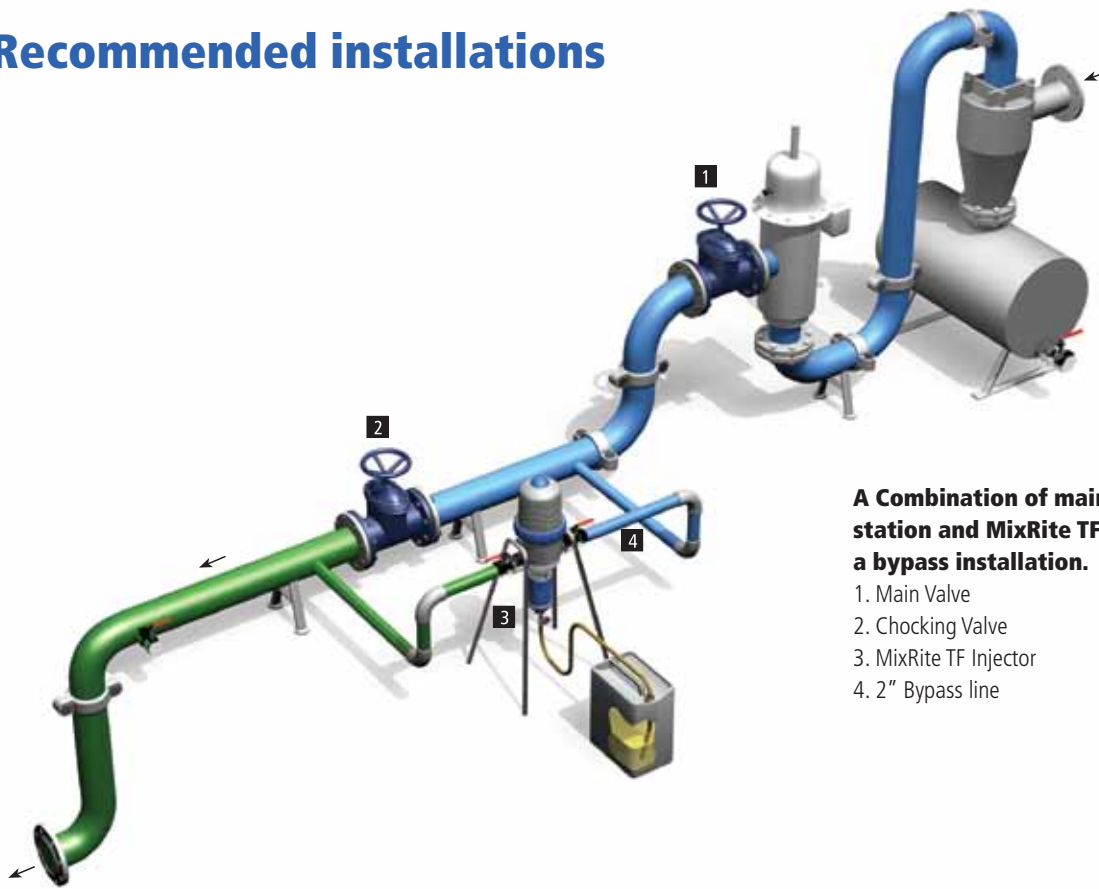


Mixer with EC/pH Control

1. Main water valve
2. Main water meter
3. Main filter 120 mesh minimum
4. Throttling valve
5. Mixing tank (empty filter)
6. EC/pH probes
7. MixRite injector
8. FlowRite regulator
9. Electric valve
10. Irrigation controller

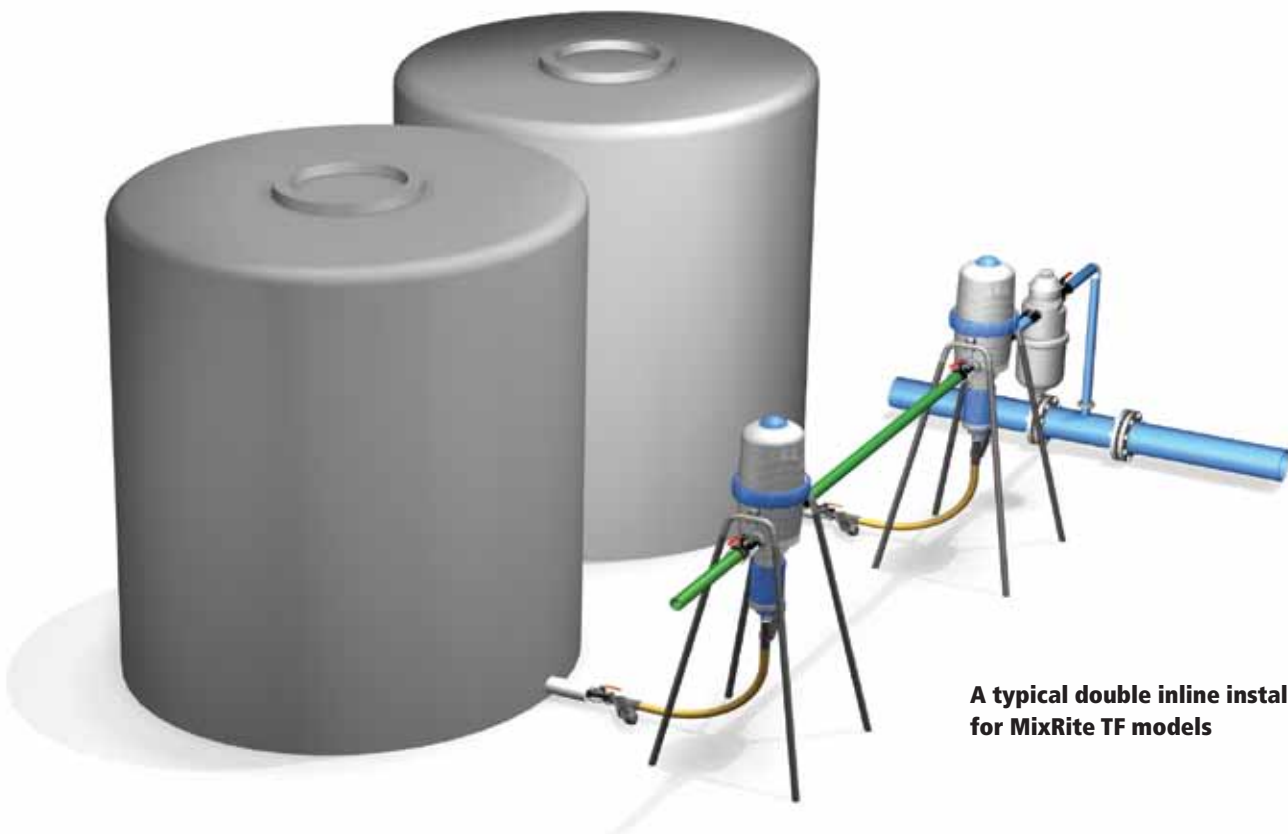


Recommended installations

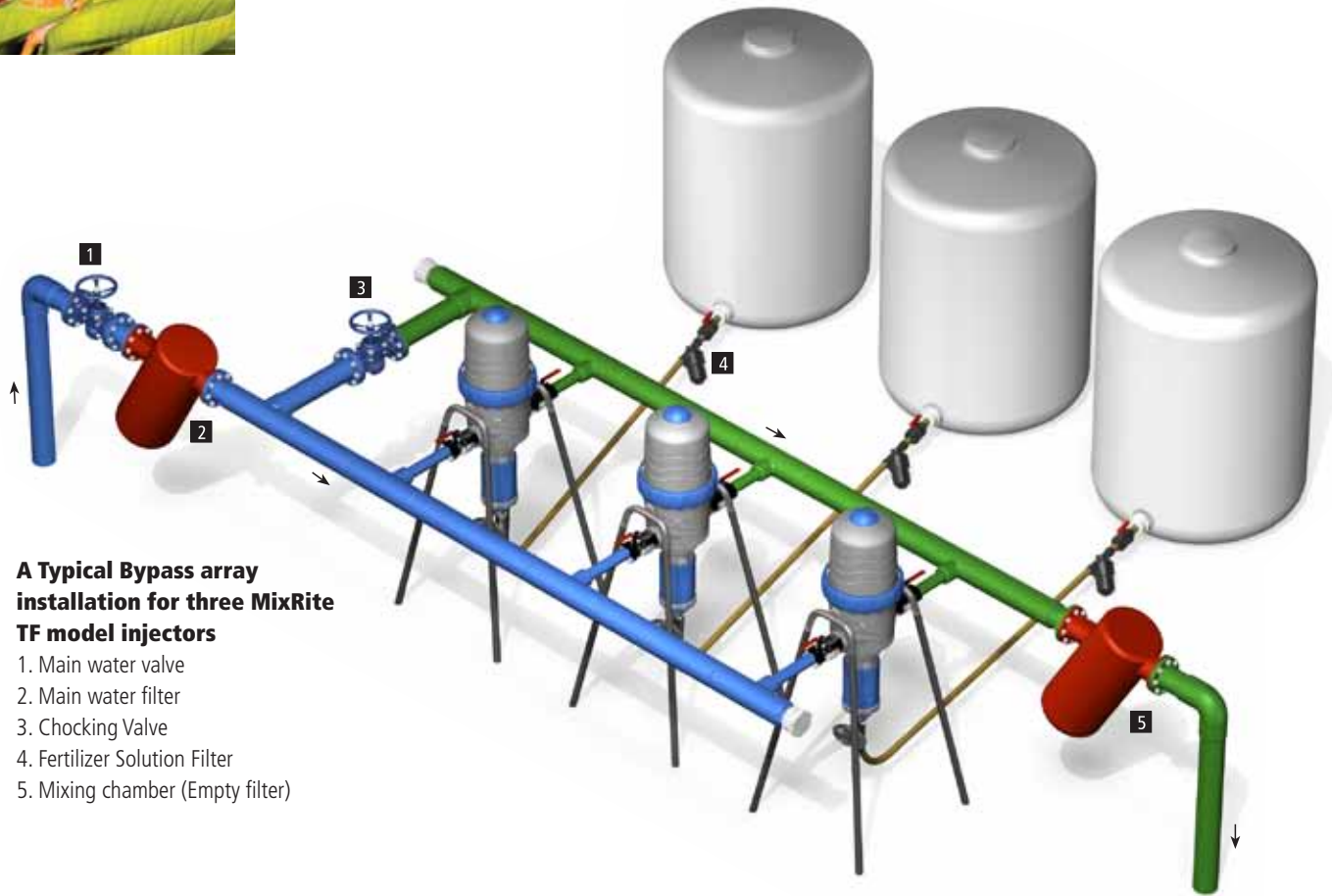


A Combination of main filtration station and MixRite TF injector on a bypass installation.

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



A typical double inline installation for MixRite TF models

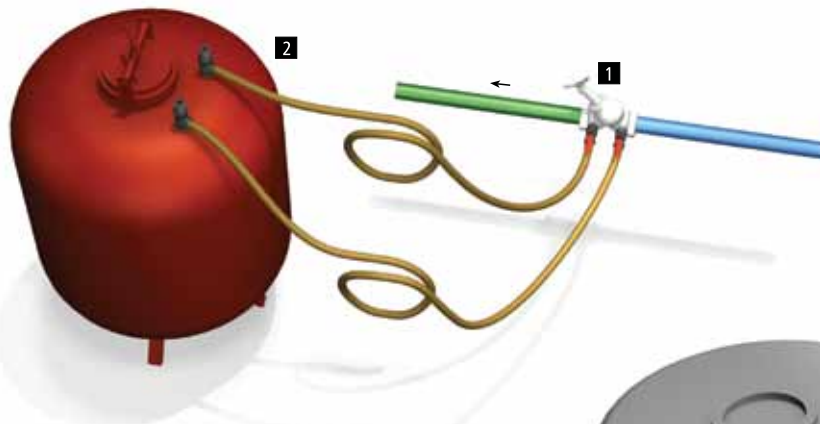


A Typical Bypass array installation for three MixRite TF model injectors

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

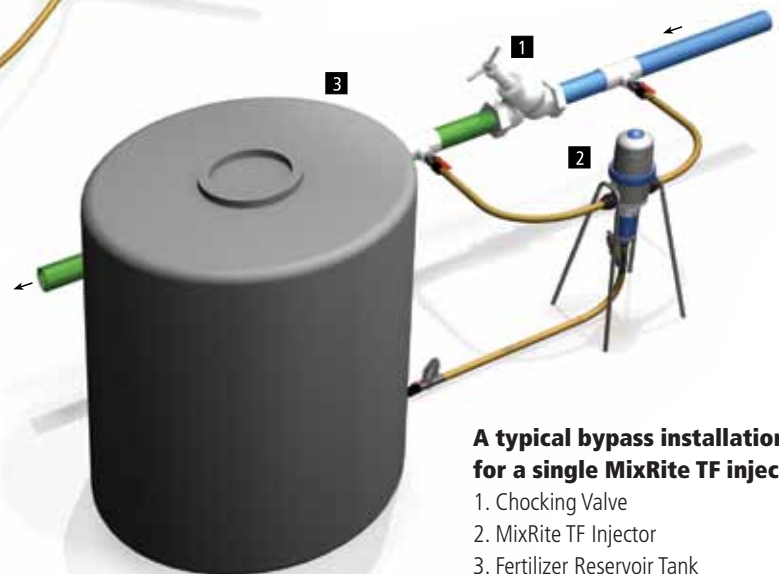


A Typical installation for a pressure diluting tank.

1. Chocking Valve
2. Pressure diluting tank

The NEW automatic way

- Even distribution
- Automatic refill



A typical bypass installation for a single MixRite TF injector.

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



MixRite[®] Cart

- 25 liter (6.6 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. 3800000180



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.



General Technical Information

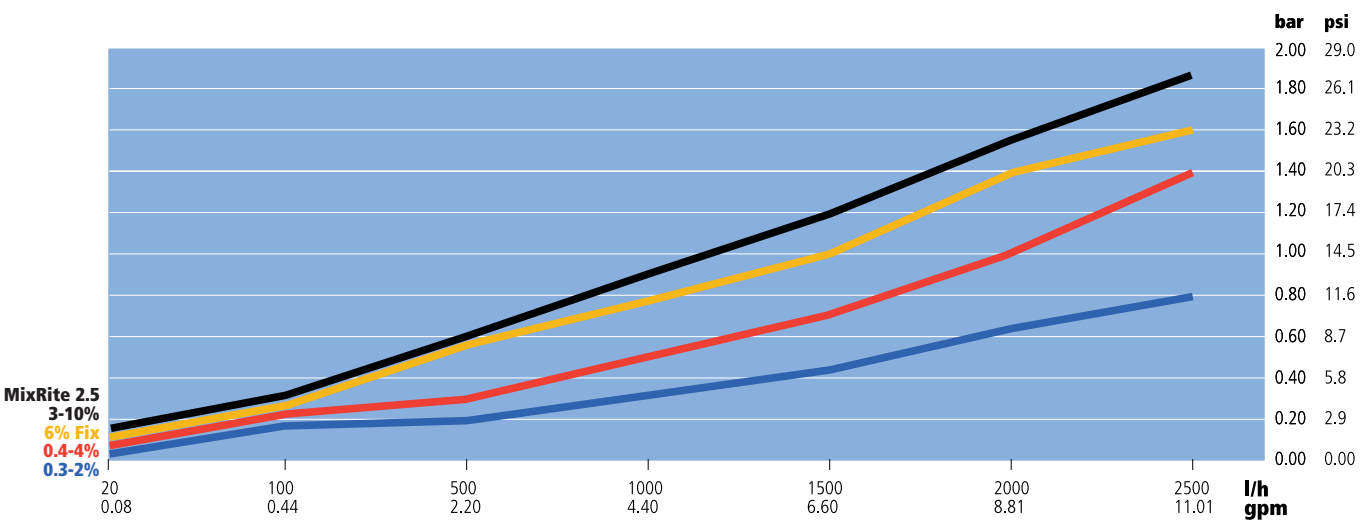
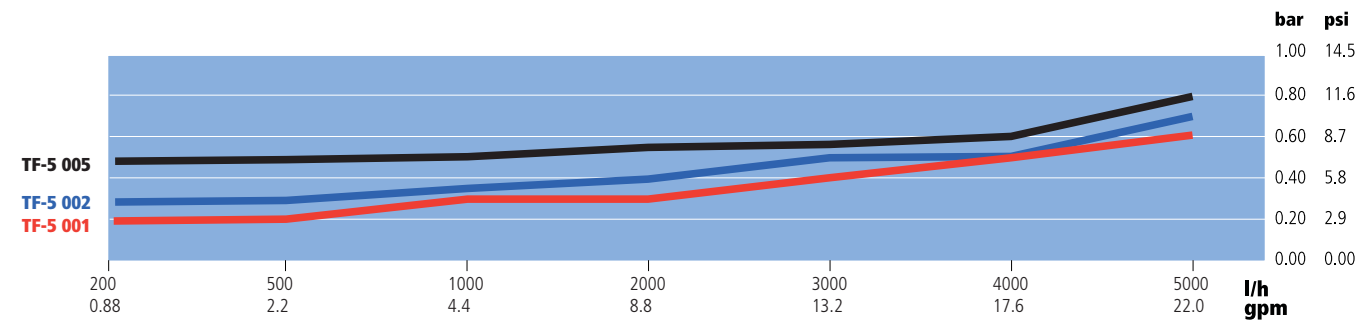
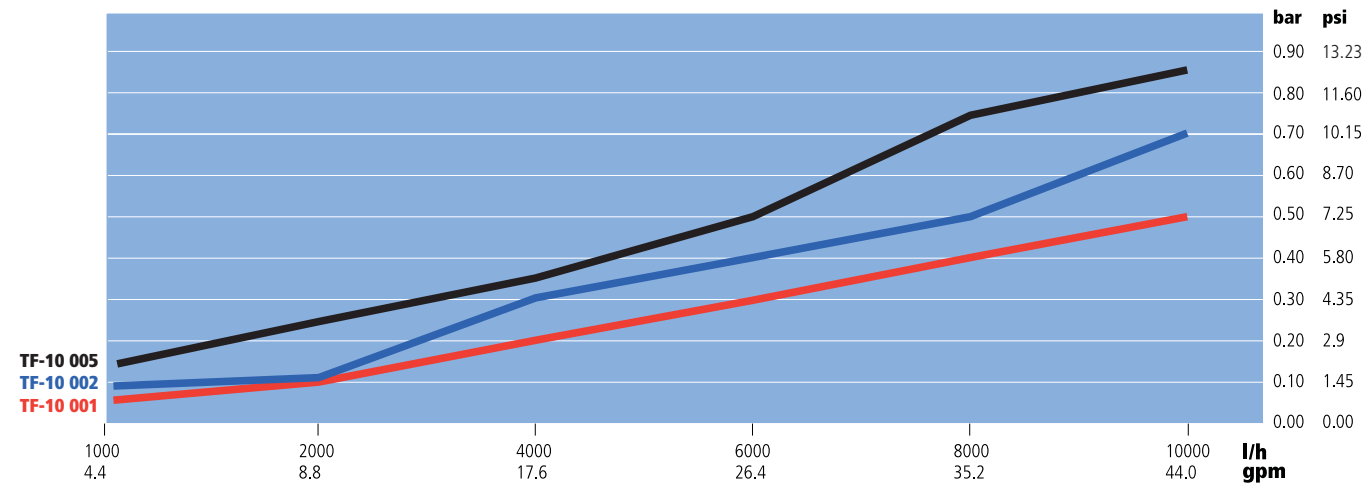
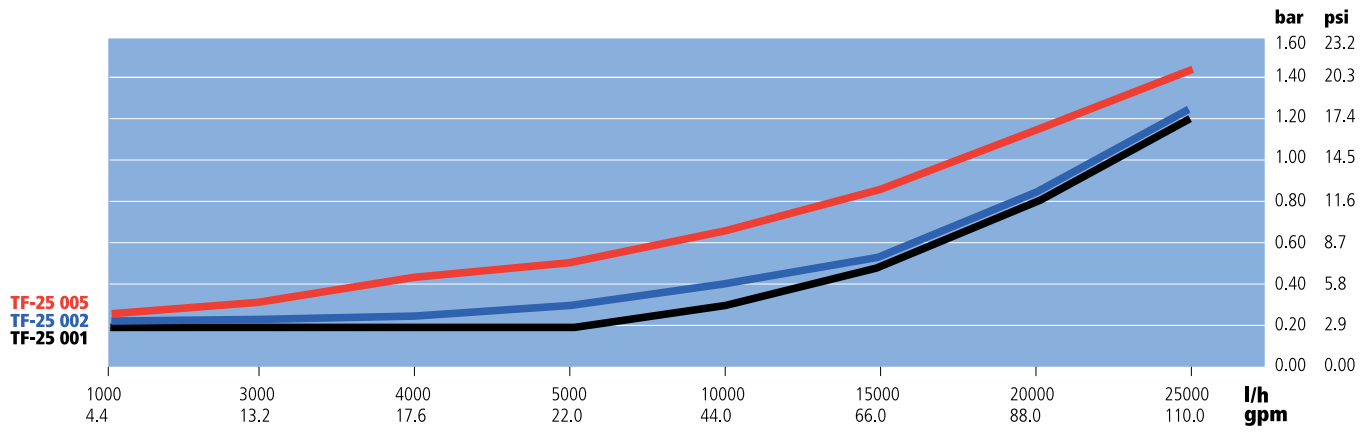
Model	Flow Rate Range	Pressure Range	Dosage Rate %	Connectors Diameter Thread	Min – Max injection rate per hour	Remarks
MixRite 2.5 0.2% Fix	20-2500 l/h 0.088 to 11 gpm	0.2 - 8 bar 2.9 - 120 psi	0.2% Fix	3/4"	5 l/h 1.32 gph	BSPT Thread
MixRite 2.5 0.8% Fix	20-2500 l/h 0.088 to 11 gpm	0.2 - 8 bar 2.9 - 120 psi	0.8% Fix	3/4"	20 l/h 5.3 gph	BSPT Thread
MixRite 2.5 0.1-0.9%	20-2500 l/h 0.088 to 11 gpm	0.2 - 8 bar 2.9 - 120 psi	0.1 - 0.9%	3/4"	0 - 20 l/h 0 - 5.3 gph	BSPT Thread
MixRite 2.5 0.3-2%	20-2500 l/h 0.088 to 11 gpm	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
MixRite 2.5 0.4-4%	30-2500 l/h 0.13 to 11 gpm	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
MixRite 2.5 6% Fix	40-2500 l/h 0.16 to 11 gpm	0.2 - 8 bar 2.9 - 120 psi	6% Fix	3/4"	150 l/h 39.7 gph	BSPT Thread
MixRite 2.5 3-10%	50-2500 l/h 0.22 to 11 gpm	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
MixRite 2.5 0.3-2% by-pass	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
MixRite 2.5 0.4-4% by-pass	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
MixRite 2.5 6% by-pass	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
MixRite 2.5 0.3-2% Internal by-pass	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
MixRite 2.5 0.4-4% Internal by-pass	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
MixRite 2.5 6% Internal by-pass	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
TF 5-001	0.2 - 5 m ³ /h 0.88 - 22 gpm	1 - 8 bar 14.7 - 120 psi	0.1 - 1%	1"	0.2 - 50 l/h 0.05 - 13.2 gph	BSPT, NPT 32 mm***
TF 5-002	0.2 - 5 m ³ /h 0.88 - 22 gpm	1 - 8 bar 14.7 - 120 psi	0.2 - 2%	1"	0.4 - 100 l/h 0.11 - 26.42 gph	BSPT, NPT 32 mm***
TF 5-005	0.2 - 5 m ³ /h 0.88 - 22 gpm	1 - 8 bar 14.7 - 120 psi	0.5 - 5%	1"	1 - 250 l/h 0.26 - 66.06 gph	BSPT, NPT 32 mm***
TF 10-001	0.5 - 10 m ³ /h 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, NPT 50 mm PE Compression Fittings*
TF 10-002	0.5 - 10 m ³ /h 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, NPT 50 mm PE Compression Fittings*
TF 10-005	0.5 - 10 m ³ /h 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, NPT 50 mm PE Compression Fittings*
TF 25-001	2 - 25 m ³ /h 9 - 110 gpm	1 - 8 bar 14.7 - 120 psi	0.1 - 1%	2"	2 - 250 l/h 0.53 - 66.14 gph	BSPT, NPT 63 mm PE Compression Fittings**
TF 25-002	2 - 25 m ³ /h 9 - 110 gpm	1 - 8 bar 14.7 - 120 psi	0.3 - 2.5%	2"	4 - 625 l/h 1.06 - 165.4 gph	BSPT, NPT 63 mm PE Compression Fittings**
TF 25-005	2 - 25 m ³ /h 9 - 110 gpm	1 - 8 bar 14.7 - 120 psi	1 - 5.5%	2"	20 - 1375 l/h 5.3 - 364 gph	BSPT, NPT 63 mm PE Compression Fittings**

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

* **Optional:** 50 mm x 1 1/2" union thread adaptors
 ** **Optional:** 63 mm x 2" / 1 1/2" union thread adaptors
 *** **Optional:** 32 mm x 1" union thread adaptors

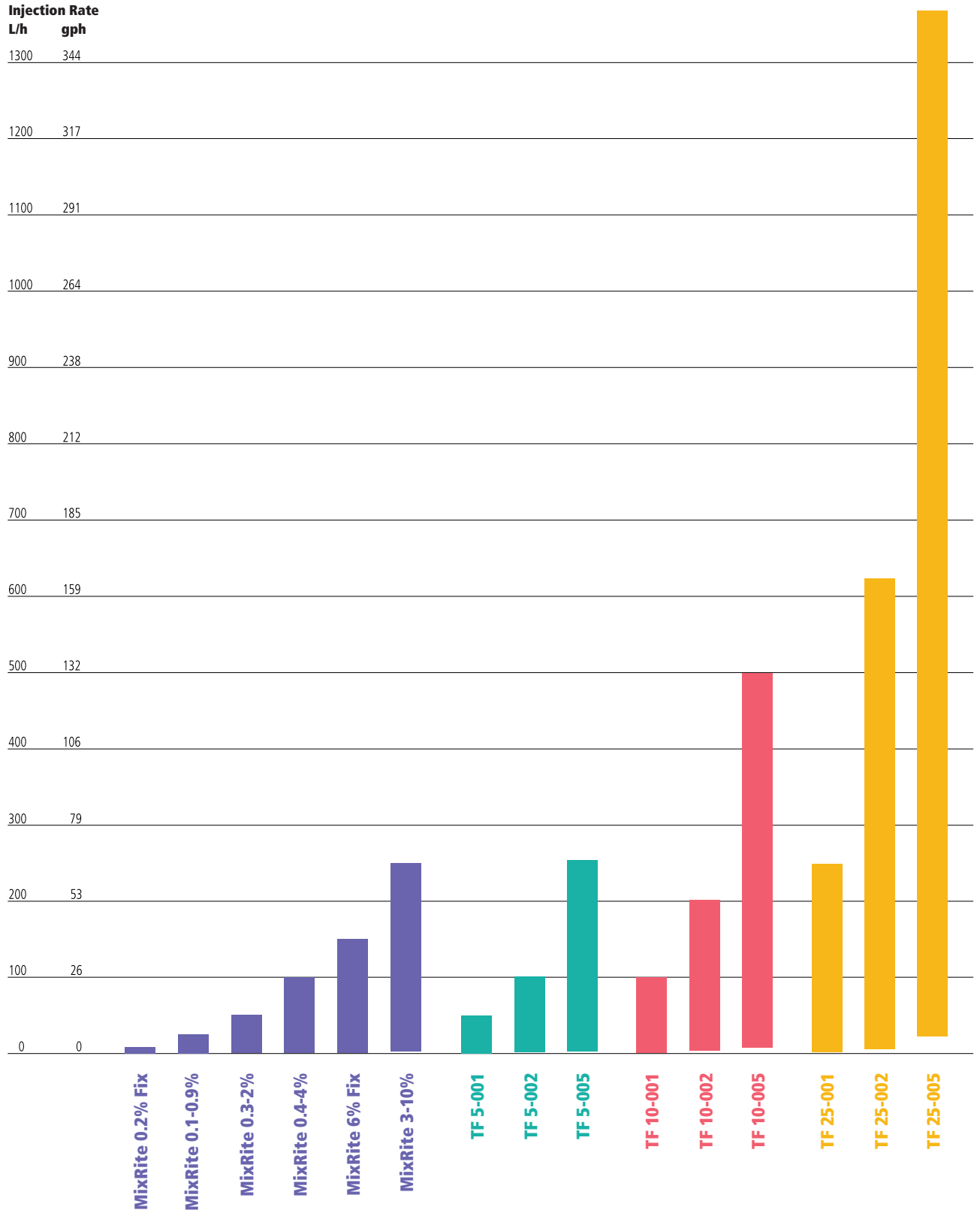


Pressure Loss Tables





Max. injection rate per hour - MixRite® Models





Recommended Accessories



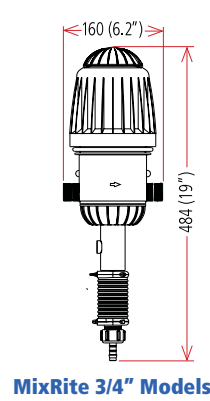
3/4" FlowGuard
Cat. No. 38220000002



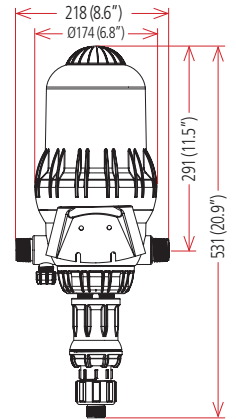
3/4" Pressure Regulator
Cat. No. 38030200002



3/4" hydraulic Normally Closed valve
Cat. No. 38000000011



MixRite 3/4" Models



MixRite TF-5 Models



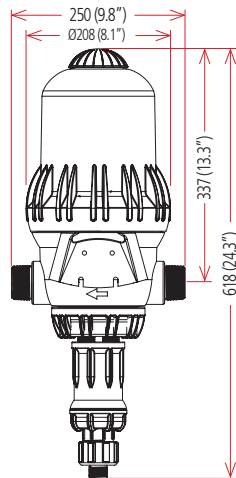
Suction foot valve
Cat. No. 38005728104



3/4" Fertiguard
Cat. No. 38220000001



Plastic Wall mounting bracket
cat no. 36030162765
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. 36030162765
For MixRite TF5 & TF10 models



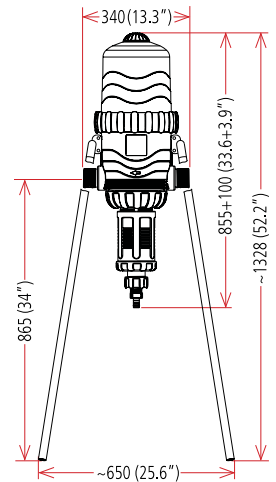
3/4" Anti siphon kit
Cat. No. 36073008002



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



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



MixRite TF-25 Models



Manual ON/OFF Option



Hydraulic remote control ON/OFF Option



Electric remote control ON/OFF Option



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