



PRODUCT CATALOG 2010



MixRiteTM



TURKEY

AGRICULTURE | HORTICULTURE | GREENHOUSE

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oksijenli
dozaj pompası





MixRite®

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



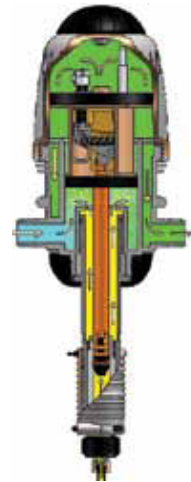
MixRite® Injectors

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





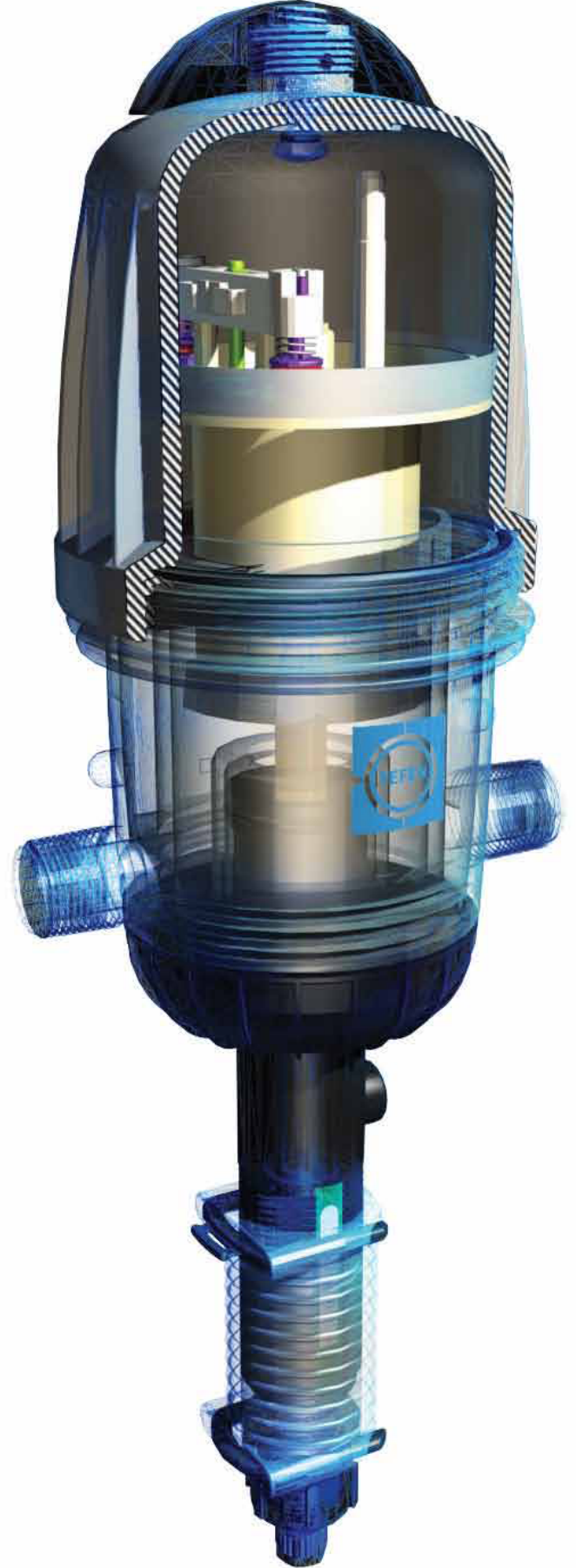
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MixRite
TURKEY
ORANSAL DOZAJ POMPALARI

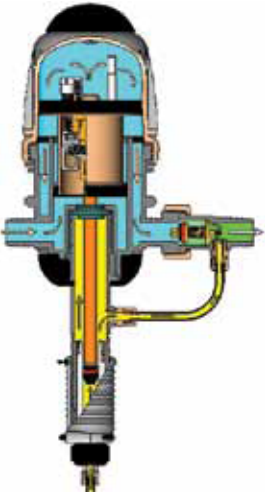
How does it work?

- 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

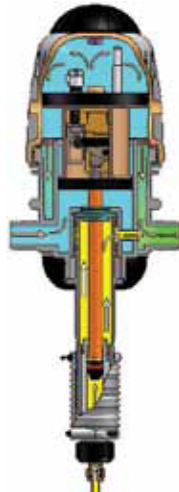
the past



Different Methods



External Bypass
Chemical Resistant



Internal Bypass
Chemical Resistant Compact





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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 - 44 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 (4.4 - 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"

Manual
ON/OFF



Manual
ON/OFF



Manual
ON/OFF



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*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.



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MixRite® Models

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

Manual
ON/OFF



Manual
ON/OFF



Manual
ON/OFF



*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)

Manual
ON/OFF



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

Manual
ON/OFF



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



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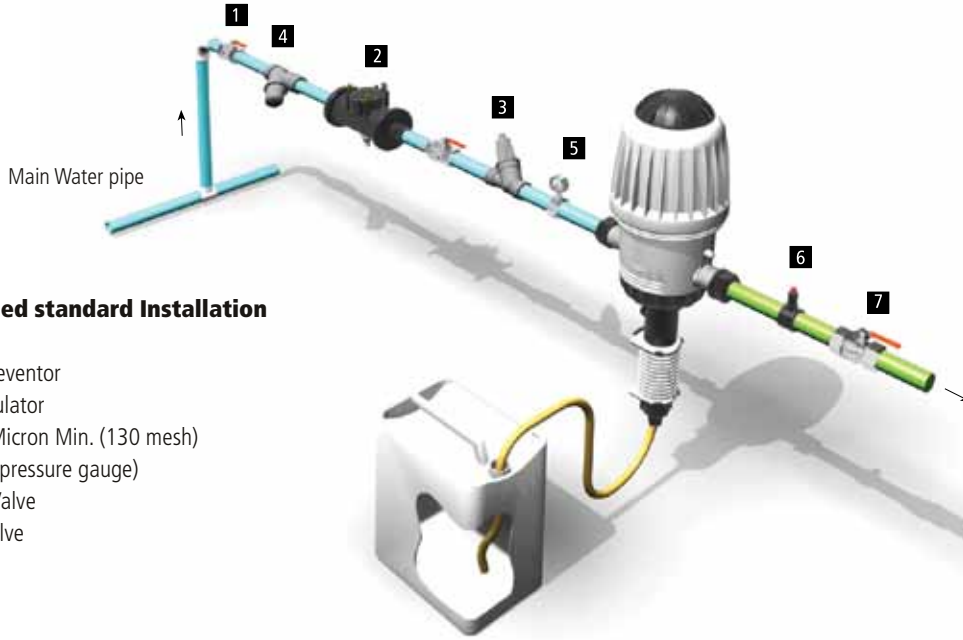


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Recommended installations

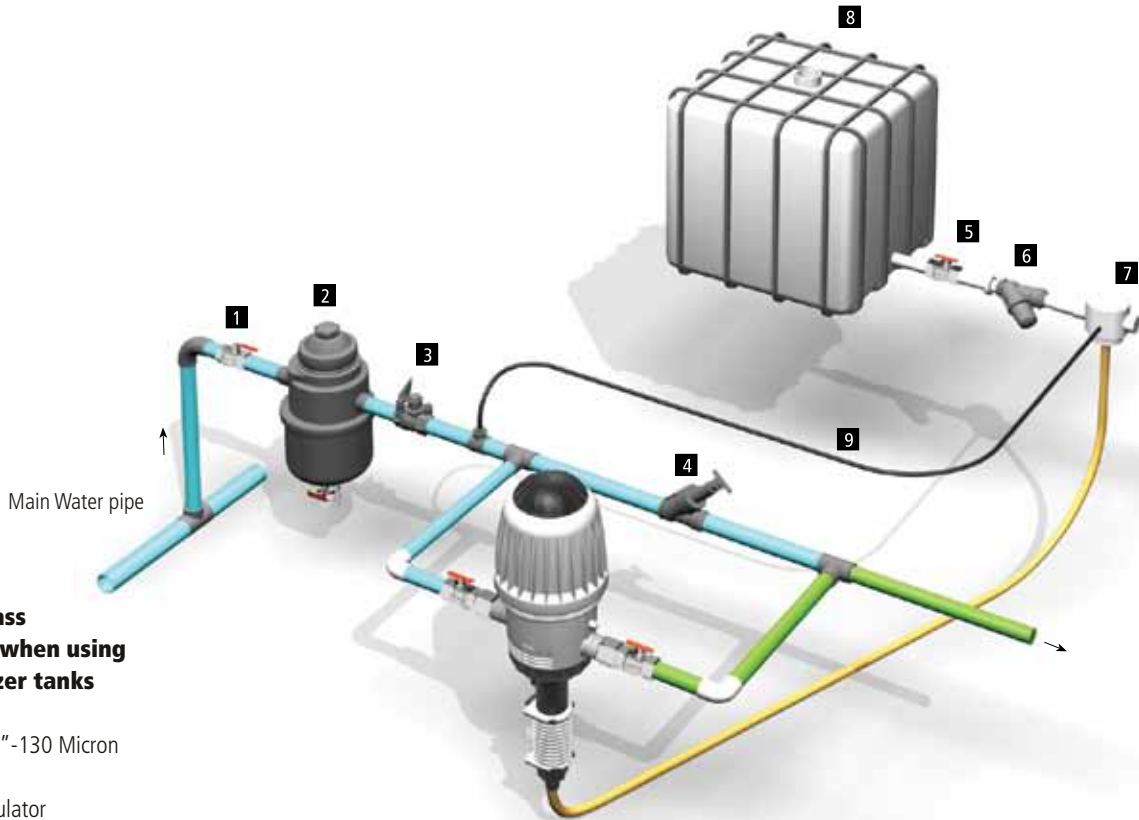
Recommended standard Installation

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. Operation Valve



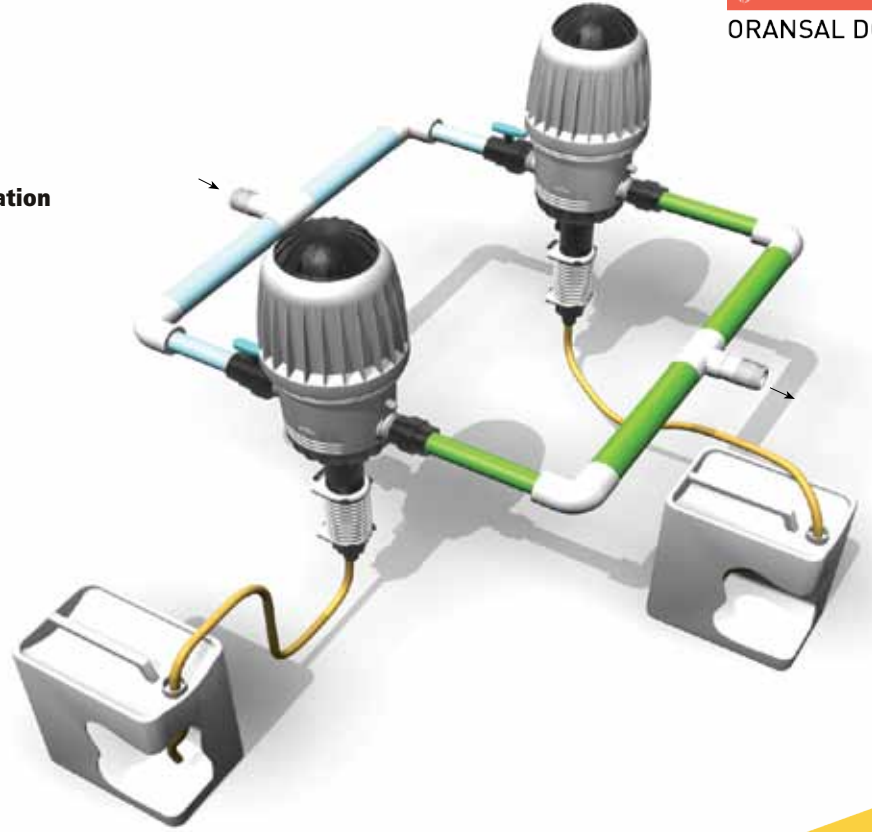
Typical bypass installation when using large fertilizer tanks

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 closed hydraulic Fertilizer Valve
8. Fertilizer solution tank
9. 5/16" command tube

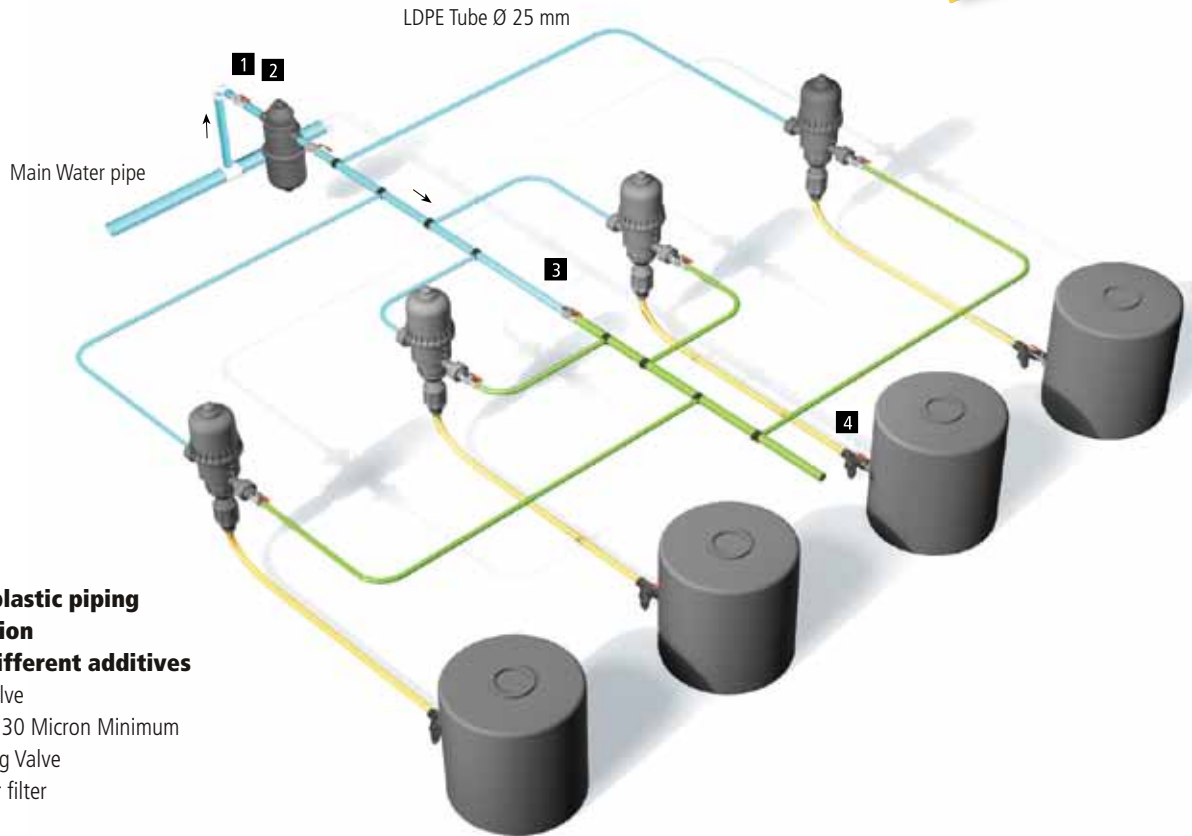




DoRite
Parallel installation



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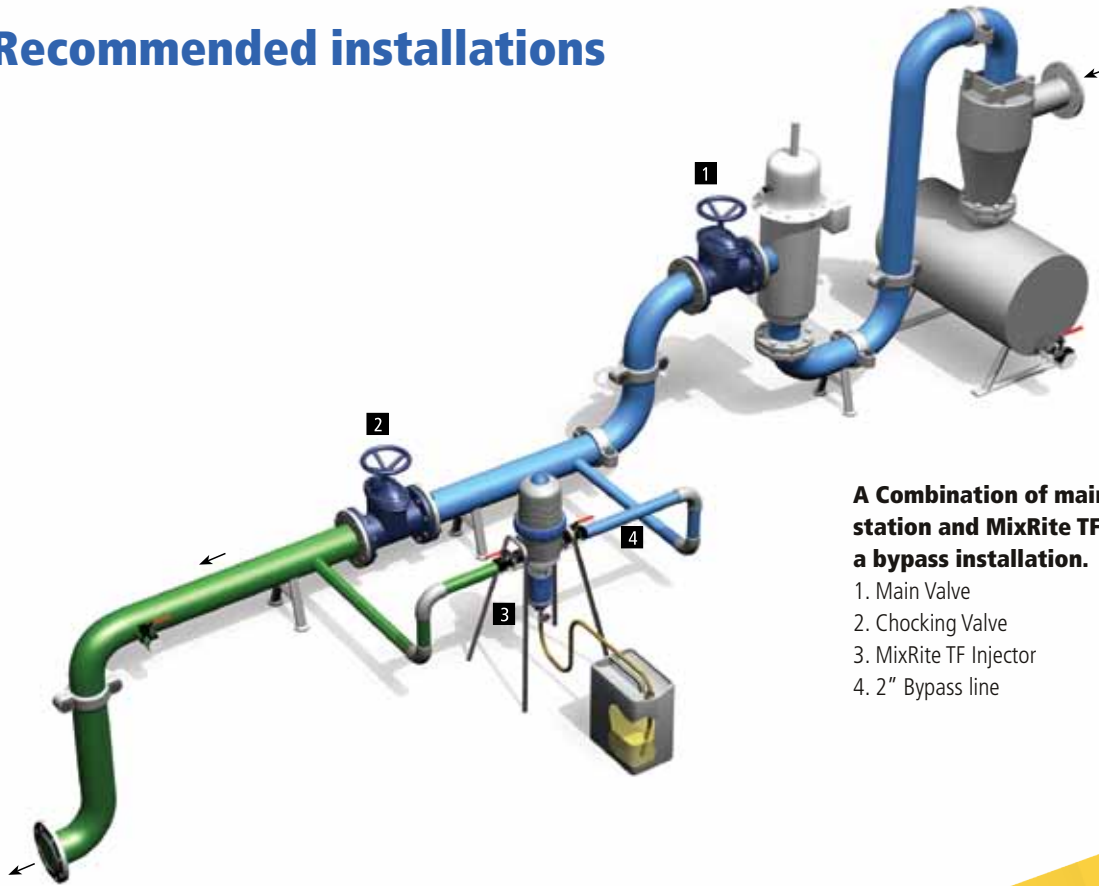


**Bypass plastic piping
installation
with 4 different additives**

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



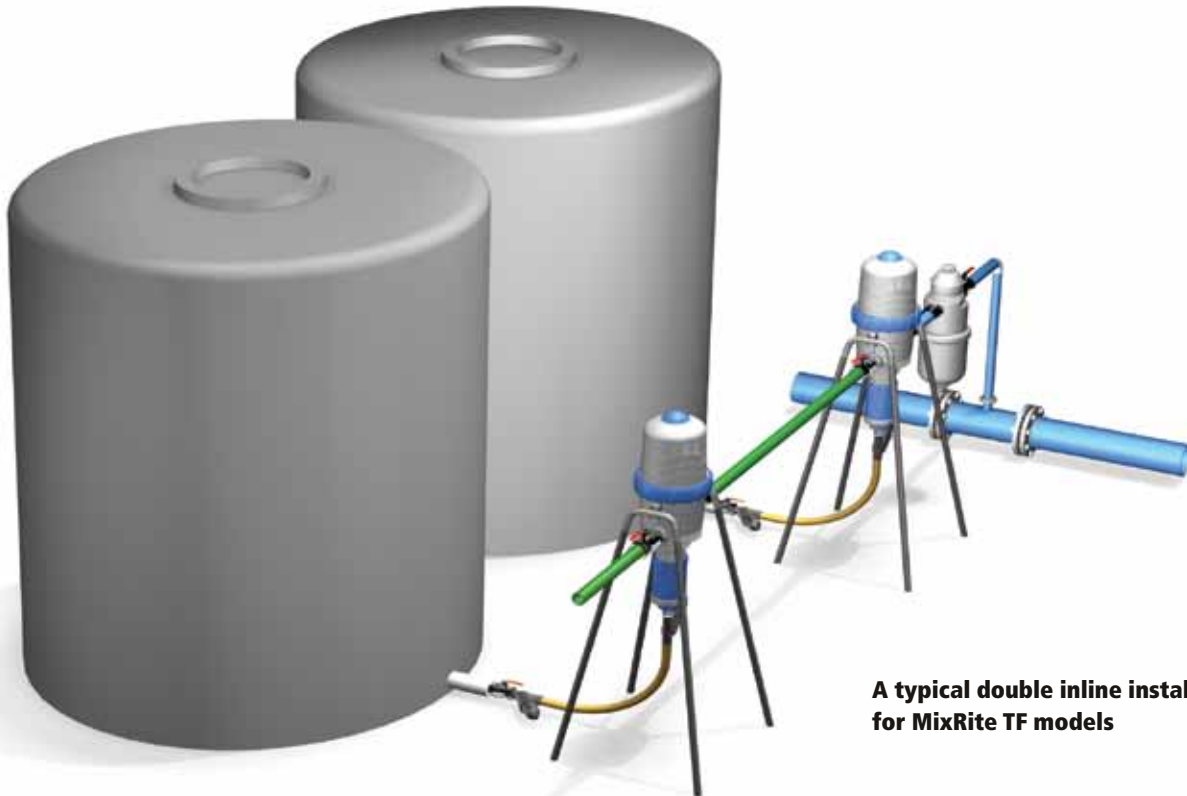
Recommended installations



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

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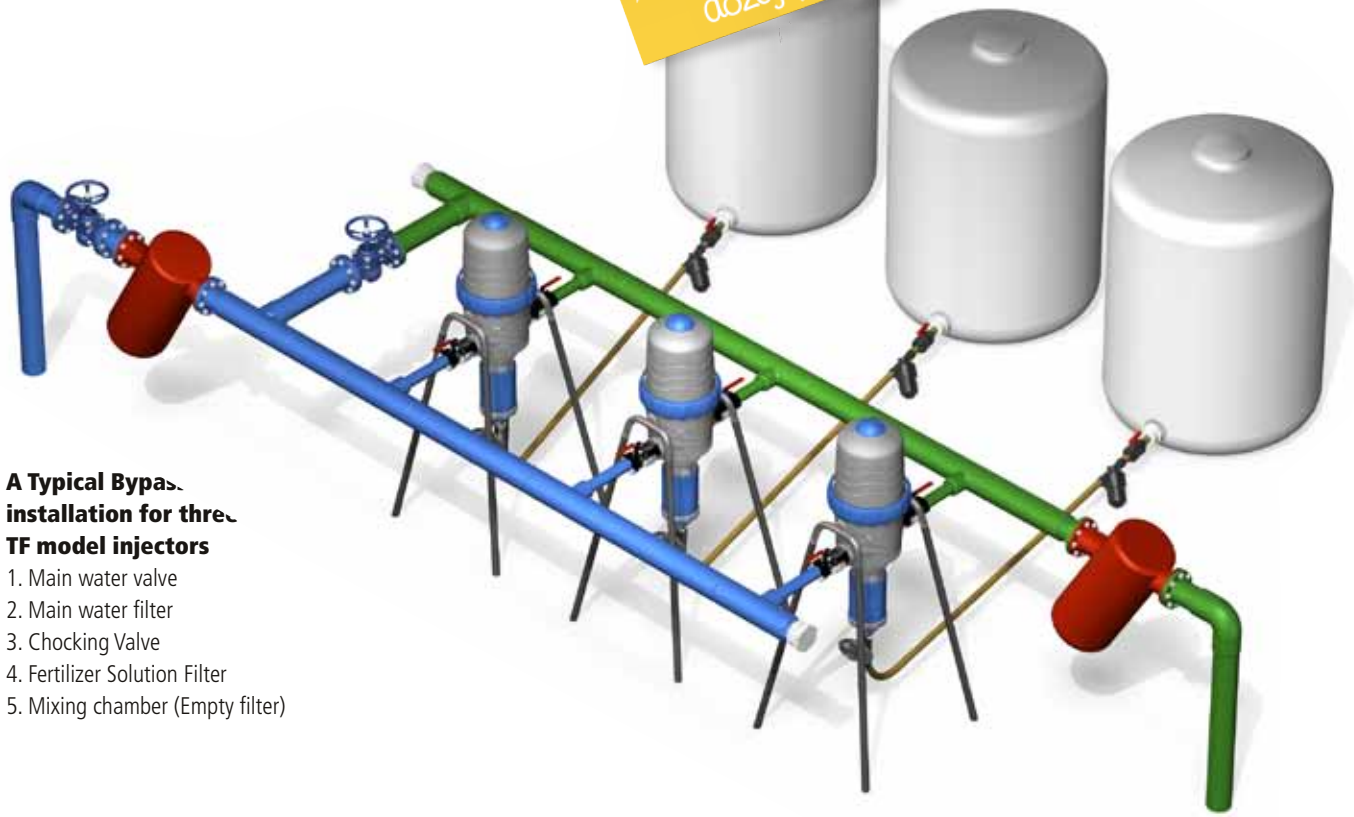


A typical double inline installation for MixRite TF models



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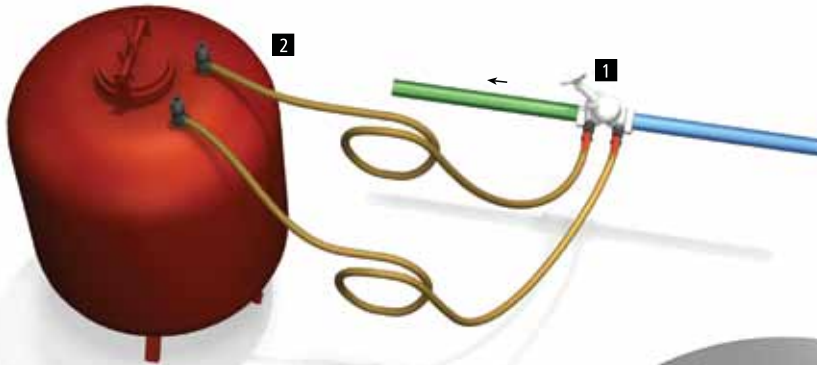


**A Typical Bypass
installation for three
TF model injectors**

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

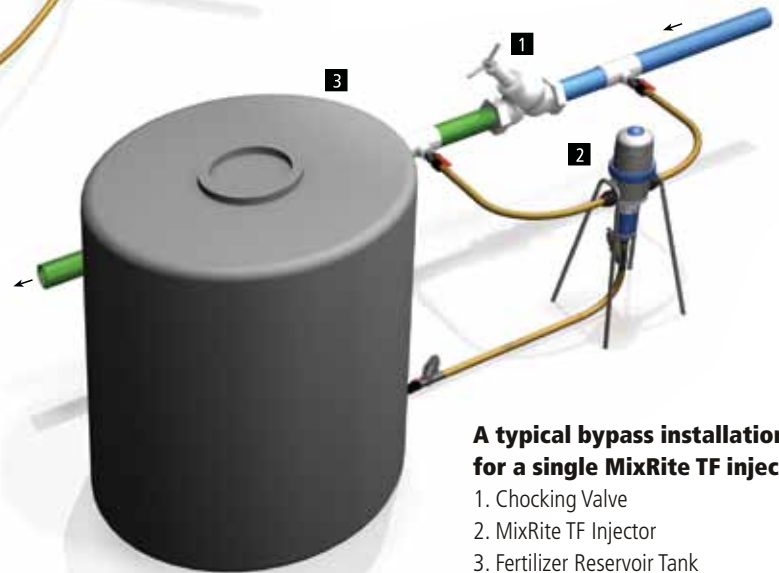


**A Typical installation for
a pressure diluting tank.**

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. 38000000180



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 m³/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 m³/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 m³/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 m³/h 2 - 45 gpm	1 - 8 bar 14.7 - 120 psi	0.1 - 1%	1½"	0.5 - 100 l/h 0.13 - 26.5 gph	BSPT, NPT 50 mm PE Compression Fittings*
TF 10-002	0.5 - 10 m³/h 2 - 45 gpm	1 - 8 bar 14.7 - 120 psi	0.2 - 2%	1½"	1 - 200 l/h 0.26 - 53 gph	BSPT, NPT 50 mm PE Compression Fittings*
TF 10-005	0.5 - 10 m³/h 2 - 45 gpm	1 - 8 bar 14.7 - 120 psi	1 - 5%	1½"	5 - 500 l/h 1.32 - 132.3 gph	BSPT, NPT 50 mm PE Compression Fittings*
TF 25-001	2 - 25 m³/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 m³/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 m³/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**

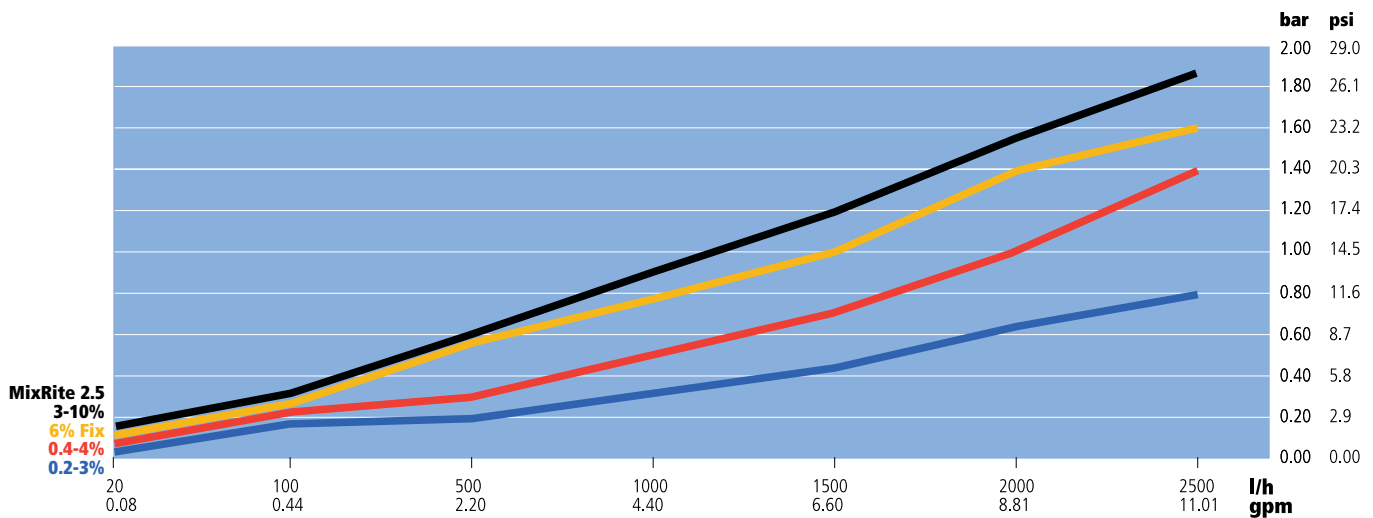
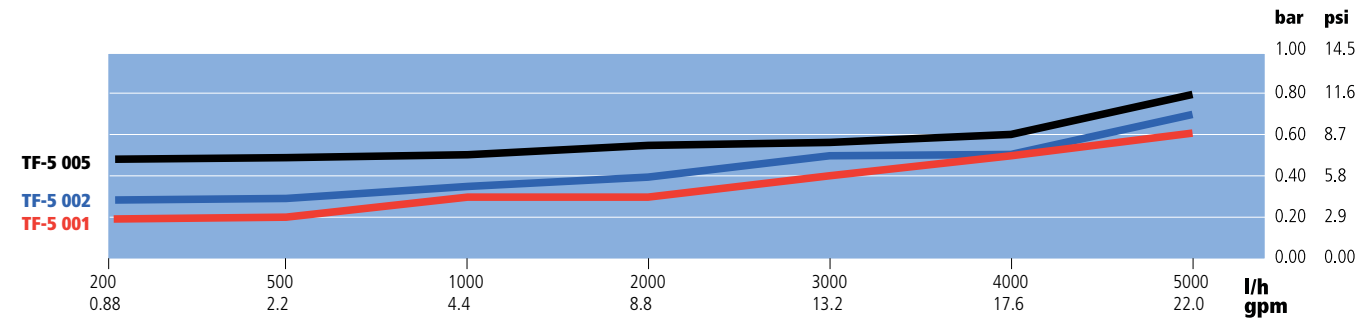
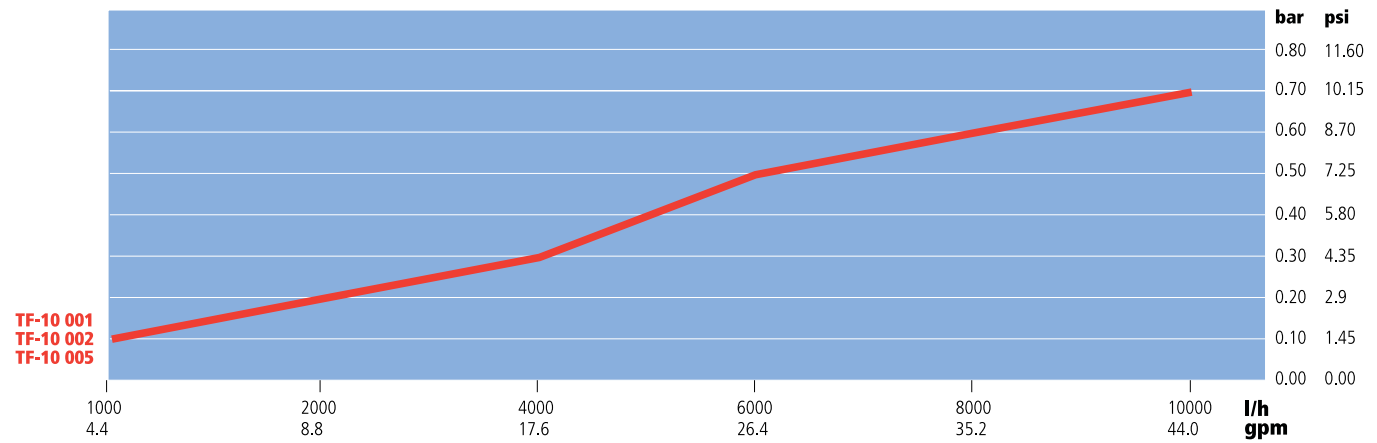
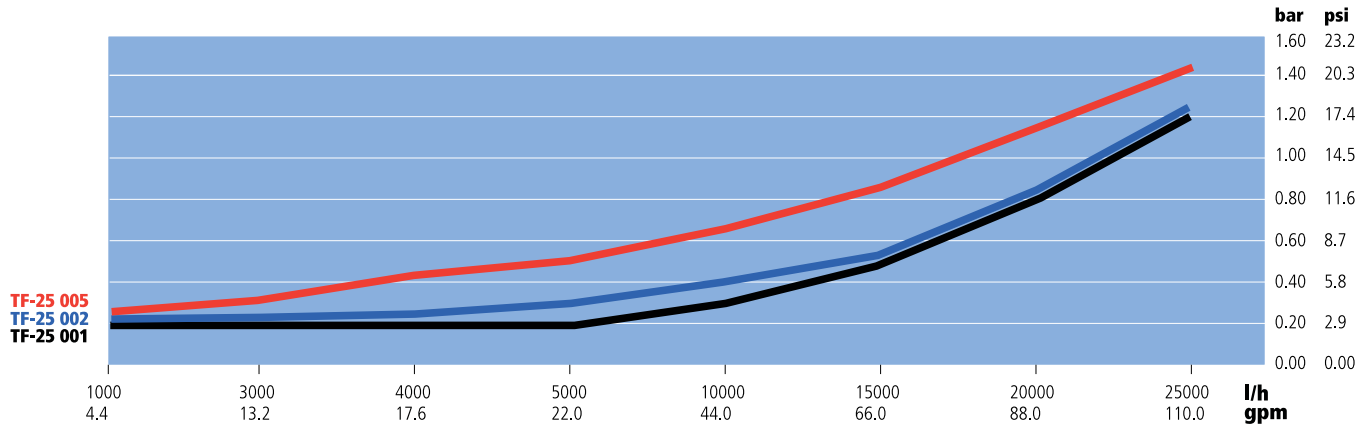
Optional: PVDF Body and Hastelloy springs
components are available for aggressive chemical applications

* **Optional:** 50 mm x 11/12" union thread adaptors
** **Optional:** 63 mm x 2"/2½" union thread adaptors
*** **Optional:** 32 mm x 1" union thread adaptors



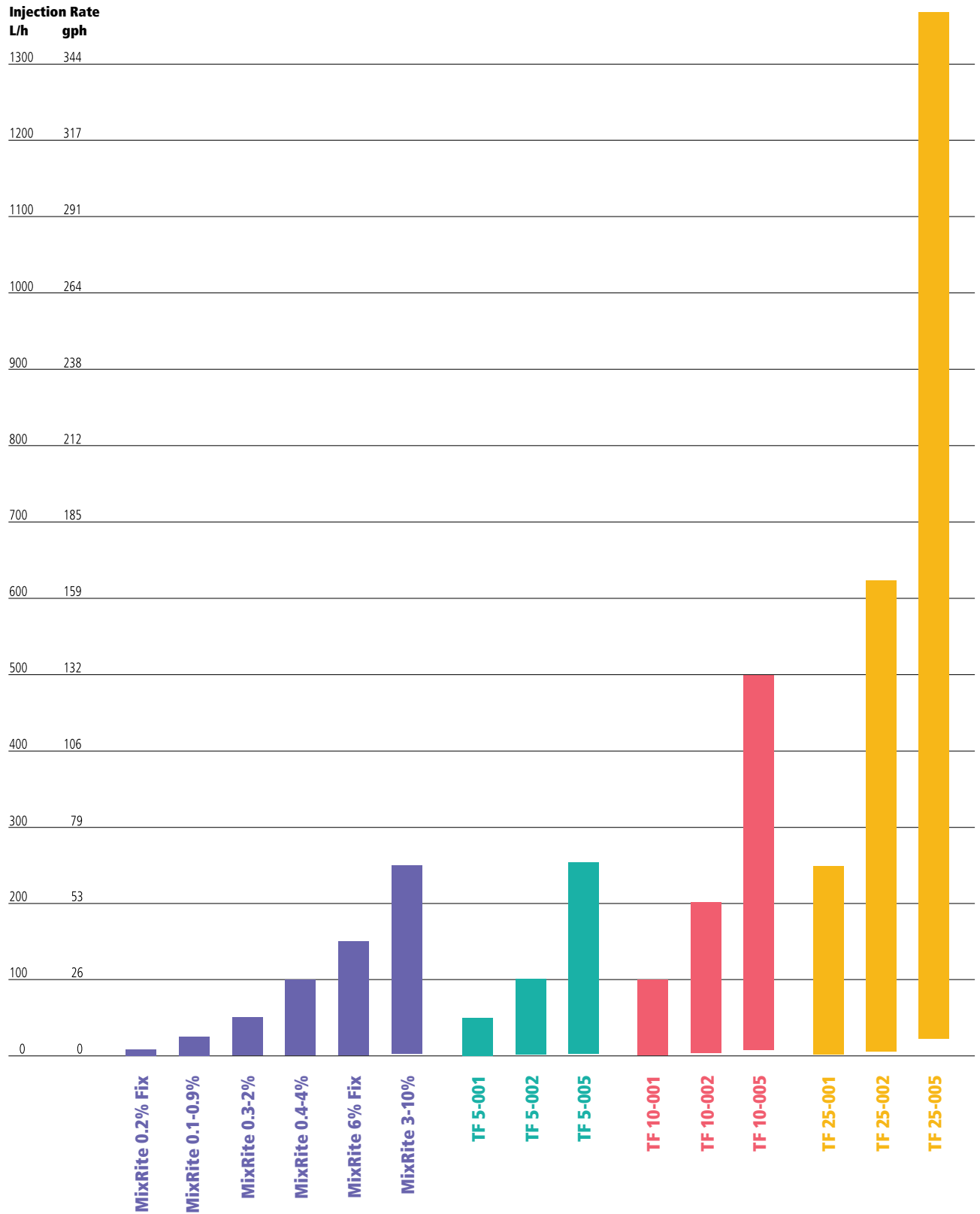


Pressure Loss Tables





Max. injection rate per hour - MixRite® Models





Recommended Accessories



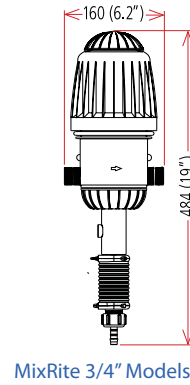
3/4" FlowGuard
Cat. No. 38220000002



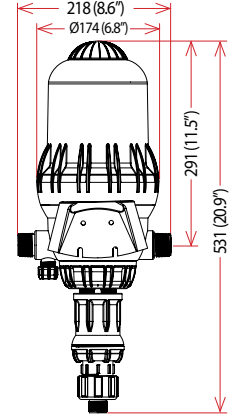
3/4" Pressure
Regulator
Cat. No. 38030200002



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



MixRite 3/4" Models



MixRite TF-5 Models



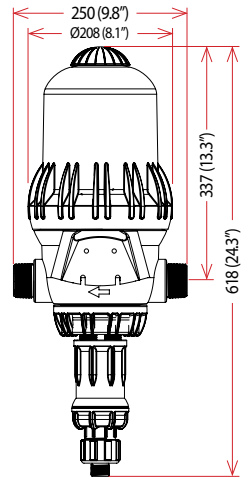
Suction foot
valve
Cat. No. 38005728104



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



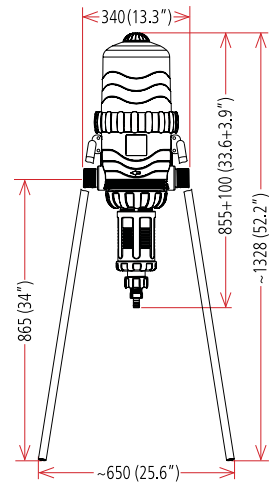
3/4" Anti
siphon kit
Cat. No. 36073008002



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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