MixRite Injectors
Fertilizer & Chemical proportional water driven injectors, with no other energy required

A step up from

Applications
Fertigation
Chlorination and acidification
Water additives
pH and EC control

Different Models
Standard Perfect Blending
How does it work?

- Positive displacement water driven injector
- Solution is added in proportion to water flow for accurate mixing
- Adjustable injection rate
- Constant concentration of additive regardless of flow or pressure
- No wasted water
- No electricity
- Higher flow rate, less friction loss and longer life than other comparable models

the past

Different Methods

Internal Bypass
Chemical Resistant & Compact
MixRite Models

<table>
<thead>
<tr>
<th>Model</th>
<th>TF-5</th>
<th>TF-10</th>
<th>TF-25</th>
</tr>
</thead>
<tbody>
<tr>
<td>TF-5 001: Rate of additive</td>
<td>0.1% to 1%</td>
<td>0.1% to 1%</td>
<td>0.1% to 1%</td>
</tr>
<tr>
<td>TF-5 002: Rate of additive</td>
<td>0.2% to 2%</td>
<td>0.2% to 2%</td>
<td>0.3% to 2.5%</td>
</tr>
<tr>
<td>TF-5 005: Rate of additive</td>
<td>1% to 5%</td>
<td>1% to 5%</td>
<td>1% to 5.5%</td>
</tr>
<tr>
<td>Water pressure</td>
<td>14.7 to 120 PSI (1-8 bar)</td>
<td>14.7 to 120 PSI (1-8 bar)</td>
<td>14.7 to 120 PSI (1-8 bar)</td>
</tr>
<tr>
<td>Flow Rate</td>
<td>0.1 to 22 GPM (0.2-5 m³/h)</td>
<td>2 to 45 GPM (0.5-10 m³/h)</td>
<td>9 to 110 GPM (2-25 m³/h)</td>
</tr>
<tr>
<td>Weight</td>
<td>13.2 Lbs (6.0 kg)</td>
<td>16.23 Lbs (7.38 kg)</td>
<td>46.42 Lbs (21.10 kg)</td>
</tr>
<tr>
<td>Coupling</td>
<td>1” or 32 mm</td>
<td>1.5” or 50 mm</td>
<td>2” or 63 mm</td>
</tr>
<tr>
<td>10% more flow than the competition</td>
<td>25% more flow than the competition</td>
<td>25% more flow than the competition</td>
<td></td>
</tr>
</tbody>
</table>

Includes maintenance wrench for easy access and seal replacement
**570-CW-AG / 571-CW-AG* / 2502/12502***
Rate of additive: 0.3% to 2%
Water Pressure from 2.9 to 120 PSI (0.2-8 bar)
Flow rate from 5.3 to 660 Gal/h (20-2500 l/h)
Size: 56-18.5 cm (22” high x 7.27” wide)
Weight: 4.22 Lbs (1.92 kg)
Coupling: 3/4”

**572-CW-AG / 573-CW-AG* / 2504/12504***
Rate of additive: 0.4% to 4%
Water Pressure from 2.9 to 120 PSI (0.2-8 bar)
Flow rate from 5.3 to 660 Gal/h (30-2500 l/h)
Size: 56x18.5 cm (22” high x 7.27” wide)
Weight: 4.22 Lbs (1.92 kg)
Coupling: 3/4”

**574-CW-AG / 575-CW-AG* / 2510/12510***
Rate of additive: 3% to 10%
Water Pressure from 2.9 to 120 PSI (0.2-8 bar)
Flow rate from 13.3 to 660 Gal/h (50-2500 l/h)
Weight: 4.22 Lbs (1.92 kg)
Coupling: 3/4”

**571-Green / 12500***
Rate of additive: 0.2% fixed dosing
Water Pressure from 2.9 to 120 PSI (0.2-8 bar)
Flow rate from 13.3 to 660 Gal/h (50-2500 l/h)
Weight: 4.22 Lbs (1.92 kg)
Coupling: 3/4”

**AgroRite***
2" Water Treatment unit
Water flow from 26gpm (.087m³/h) to 110gpm (25m³/h)
Can be used with any 500 series units
Specially designed for aggressive additives.
Provides constant rate between 2” main line and 3/4” by pass line. (9:1)

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Standard models are supplied with a manual air release. The manual air release allows primary bleeding of air locked in the water supply lines.

*These models are equipped with On-Off mechanism which will shut down additive injection, allowing a continual water flow.
**MixRite Models**

### 568AG Model
- Rate of additive: Fixed 0.8%
- Water Pressure from 2.9 to 120 PSI (0.2-8 bar)
- Flow rate from 5.3 to 660 Gal/h (20-2500 l/h)
- Size: 56-18.5 cm (22” high x 7.27” wide)
- Weight: 4 Lbs (1.80 kg)
- Coupling: 3/4”

### Chemical Resistant Options

#### 569/570/572/574 CL Chlorination Models*
- Water Pressure from 2.9 to 120 PSI (0.2-8 bar)
- Flow rate from 5.3 to 660 Gal/h (20-2500 l/h)
- Weight: 4.22 Lbs (1.92 kg)
- Coupling: 3/4”

#### 569/570/572/574 PVDF Models**
- Water Pressure from 2.9 to 120 PSI (0.2-8 bar)
- Flow rate from 5.3 to 660 Gal/h (20-2500 l/h)
- Weight: 4.84 Lbs (2.20 kg)
- Coupling: 3/4”

- Designed for fixed dosing at the rate of 0.8%
- Ideal for fertilizer as well as vitamins and minerals in animal production
- Chemical resistant to withstand non corrosive sanitizers and mild acids that do not create heat
- Chemical resistant materials standard include EPDM seals, Hastelloy spring, Viton Extreme chemical piston spring

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* Hastelloy springs and Viton extreme seals for chlorinated chemicals

** PVDF Body and components, Viton extreme seals, Hastelloy springs designed to survive aggressive chemical that contain chlorine and acids
**MixRite Mobile Cart System**

Portable system for almost any MixRite model and additive container

- Holds 5 gallon container and can carry 250 lbs. yet narrow enough to go through standard width doors
- Pneumatic tires cushion ride over rough surfaces
- Can be ordered with any 500 series/11 GPM MixRite
- Included strap secures chemical container
- Includes six foot water supply hose, 25 foot discharge hose, On/off valve and water strainer
- Optional insulated ball valve or trigger spray gun available
- Standard unit has .2 to 2% MixRite with chemical on/off option

**NEW : Available for TF5 units**
Recommended installations

All MixRites need to be installed in accordance with local plumbing codes which may require the use of approved back flow preventers.

**TF Model in Classic In-Line Installation**
1. Main Water Valve
2. Main Water Filter - 120 Mesh Minimum
3. Pressure Reducing Valve
4. Pressure Gauge (recommended)
5. Anti Siphon Valve
6. Operation Valve
7. Fertilizer Solution Tank

**TF Model Bypass installation with Hydraulic Check Valve**
1. Main Water Valve
2. Main Water Filter - 120 Mesh Minimum
3. Pressure Reducing Valve
4. Throttling Valve
5. Combined Union & Plastic Valve
6. 5/16" Command Line
7. Fertilizer Resistant Filter
8. Safety Normally Closed Hydraulic Valve
9. Anti Siphon Valve
10. Fertilizer solution tank
TF Model on Large Bypass Installation.
1. Main Valve
2. Chocking Valve
3. MixRite TF Injector
4. 2" Bypass Line

500 Series with EC/pH/ORP Controller in parallel installation
1. Main Water Valve
2. Main Water Meter
3. Main Water 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

500 Series in Classic In-Line Installation
1. Main Valve
2. Back Flow Preventer
3. Pressure Regulator
4. Filter - 120 Mesh (130 Micron Min.)
5. Manometer (Pressure Gauge)
6. Anti Siphon Valve
7. Operation Valve

TF Models in Basic parallel Installation
1. Main Water Valve
2. Main Water Filter
3. Chocking Valve
4. Fertilizer Solution Filter
5. Mixing Chamber (Empty Filter)
## General Technical Information

<table>
<thead>
<tr>
<th>DEMA Model</th>
<th>Flow Rate Range</th>
<th>Pressure Range</th>
<th>Dosage Rate %</th>
<th>Ratio</th>
<th>Connectors Diameter Thread</th>
<th>Min – Max injection rate per hour</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>568AG</td>
<td>0.088 - 11 gpm</td>
<td>2.9 - 120 psi</td>
<td>0.8% Fix</td>
<td>100:1 - 111:1</td>
<td>3/4&quot;</td>
<td>5.3 gph</td>
<td>BSPT Thread</td>
</tr>
<tr>
<td></td>
<td>20 - 2500 l/h</td>
<td>0.2 - 8 bar</td>
<td></td>
<td></td>
<td></td>
<td>20 l/h</td>
<td></td>
</tr>
<tr>
<td>569</td>
<td>0.088 - 11 gpm</td>
<td>2.9 - 120 psi</td>
<td>0.1% - 0.9%</td>
<td>1000:1 - 111:1</td>
<td>3/4&quot;</td>
<td>.05 - 5.95 gph</td>
<td>BSPT Thread</td>
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<tr>
<td></td>
<td>20 - 2500 l/h</td>
<td>0.2 - 8 bar</td>
<td></td>
<td></td>
<td></td>
<td>.1892 - 22.5 l/h</td>
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<tr>
<td>571 Green</td>
<td>0.088 - 11 gpm</td>
<td>2.9 - 120 psi</td>
<td>0.2% Fix</td>
<td>500:1</td>
<td>3/4&quot;</td>
<td>.32 gph</td>
<td>BSPT Thread</td>
</tr>
<tr>
<td>12500</td>
<td>20 - 2500 l/h</td>
<td>0.2 - 8 bar</td>
<td></td>
<td></td>
<td></td>
<td>5 l/h</td>
<td></td>
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<tr>
<td>570 / 571</td>
<td>0.088 - 11 gpm</td>
<td>2.9 - 120 psi</td>
<td>0.3 - 2%</td>
<td>333:1 - 50:1</td>
<td>3/4&quot;</td>
<td>0.16 - 13.22 gph</td>
<td>BSPT Thread</td>
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<tr>
<td>2502 / 12502</td>
<td>20 - 2500 l/h</td>
<td>0.2 - 8 bar</td>
<td></td>
<td></td>
<td></td>
<td>0.6 - 50 l/h</td>
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<tr>
<td>572 / 573</td>
<td>0.13 - 11 gpm</td>
<td>2.9 - 120 psi</td>
<td>0.4 - 4%</td>
<td>250:1 - 25:1</td>
<td>3/4&quot;</td>
<td>0.03 - 26.5 gph</td>
<td>BSPT Thread</td>
</tr>
<tr>
<td>2504 / 12504</td>
<td>30 - 2500 l/h</td>
<td>0.2 - 8 bar</td>
<td></td>
<td></td>
<td></td>
<td>0.12 - 100 l/h</td>
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</tr>
<tr>
<td>574 / 575</td>
<td>0.22 - 11 gpm</td>
<td>2.9 - 120 psi</td>
<td>3 - 10%</td>
<td>33:1 - 10:1</td>
<td>3/4&quot;</td>
<td>0.4 - 66.14 gph</td>
<td>BSPT Thread</td>
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<tr>
<td>2510 / 12510</td>
<td>50 - 2500 l/h</td>
<td>0.2 - 8 bar</td>
<td></td>
<td></td>
<td></td>
<td>1.5 - 250 l/h</td>
<td>Optional foot valve</td>
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<tr>
<td>576IN / 577IN</td>
<td>0.088 - 11 gpm</td>
<td>2.9 - 120 psi</td>
<td>0.3 - 2%</td>
<td>333:1 - 50:1</td>
<td>3/4&quot;</td>
<td>0.03 - 13.22 gph</td>
<td>BSPT Internal Bypass</td>
</tr>
<tr>
<td>2512IN / 12512IN</td>
<td>20 - 2500 l/h</td>
<td>0.2 - 8 bar</td>
<td></td>
<td></td>
<td></td>
<td>0.12 - 50 l/h</td>
<td></td>
</tr>
<tr>
<td>578IN / 579IN</td>
<td>0.13 - 11 gpm</td>
<td>2.9 - 120 psi</td>
<td>0.4 - 4%</td>
<td>250:1 - 25:1</td>
<td>3/4&quot;</td>
<td>0.1 - 26.5 gph</td>
<td>BSPT Internal Bypass</td>
</tr>
<tr>
<td>2514IN / 12514IN</td>
<td>30 - 2500 l/h</td>
<td>0.2 - 8 bar</td>
<td></td>
<td></td>
<td></td>
<td>0.4 - 100 l/h</td>
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<td>570PVDF</td>
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<td>2.9 - 120 psi</td>
<td>0.3 - 2%</td>
<td>333:1 - 50:1</td>
<td>3/4&quot;</td>
<td>0.03 - 13.22 gph</td>
<td>BSPT Thread</td>
</tr>
<tr>
<td></td>
<td>20 - 2500 l/h</td>
<td>0.2 - 8 bar</td>
<td></td>
<td></td>
<td></td>
<td>0.12 - 50 l/h</td>
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</tr>
<tr>
<td>TF 5-001</td>
<td>0.88 - 22 gpm</td>
<td>14.7 - 120 psi</td>
<td>0.1 - 1%</td>
<td>1000:1 - 100:1</td>
<td>1&quot;</td>
<td>0.053 - 13.2 gph</td>
<td>NPT External Male</td>
</tr>
<tr>
<td></td>
<td>0.2 - 5 m³/h</td>
<td>1 - 8 bar</td>
<td></td>
<td></td>
<td></td>
<td>0.2 - 50 l/h</td>
<td></td>
</tr>
<tr>
<td>TF 5-002</td>
<td>0.88 - 22 gpm</td>
<td>14.7 - 120 psi</td>
<td>0.2 - 2%</td>
<td>500:1 - 50:1</td>
<td>1&quot;</td>
<td>0.1 - 26.5 gph</td>
<td>NPT External Male</td>
</tr>
<tr>
<td></td>
<td>0.2 - 5 m³/h</td>
<td>1 - 8 bar</td>
<td></td>
<td></td>
<td></td>
<td>0.4 - 100 l/h</td>
<td></td>
</tr>
<tr>
<td>TF 5-005</td>
<td>0.88 - 22 gpm</td>
<td>14.7 - 120 psi</td>
<td>1 - 5%</td>
<td>100:1 - 20:1</td>
<td>1&quot;</td>
<td>0.53 - 66 gph</td>
<td>NPT External Male</td>
</tr>
<tr>
<td></td>
<td>0.2 - 5 m³/h</td>
<td>1 - 8 bar</td>
<td></td>
<td></td>
<td></td>
<td>2 - 250 l/h</td>
<td></td>
</tr>
<tr>
<td>TF 10-001</td>
<td>2 - 45 gpm</td>
<td>14.7 - 120 psi</td>
<td>0.1 - 1%</td>
<td>1000:1 - 100:1</td>
<td>1½&quot;</td>
<td>0.13 - 26.5 gph</td>
<td>NPT External Male</td>
</tr>
<tr>
<td></td>
<td>0.5 - 10 m³/h</td>
<td>1 - 8 bar</td>
<td></td>
<td></td>
<td></td>
<td>0.5 - 100 l/h</td>
<td></td>
</tr>
<tr>
<td>TF 10-002</td>
<td>2 - 45 gpm</td>
<td>14.7 - 120 psi</td>
<td>0.2 - 2%</td>
<td>500:1 - 50:1</td>
<td>1½&quot;</td>
<td>0.26 - 53 gph</td>
<td>NPT External Male</td>
</tr>
<tr>
<td></td>
<td>0.5 - 10 m³/h</td>
<td>1 - 8 bar</td>
<td></td>
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<td>1 - 200 l/h</td>
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<tr>
<td>TF 10-005</td>
<td>2 - 45 gpm</td>
<td>14.7 - 120 psi</td>
<td>1 - 5%</td>
<td>100:1 - 20:1</td>
<td>1½&quot;</td>
<td>1.32 - 132.3 gph</td>
<td>NPT External Male</td>
</tr>
<tr>
<td></td>
<td>0.5 - 10 m³/h</td>
<td>1 - 8 bar</td>
<td></td>
<td></td>
<td></td>
<td>5 - 500 l/h</td>
<td></td>
</tr>
<tr>
<td>TF 25-001</td>
<td>9 - 110 gpm</td>
<td>14.7 - 120 psi</td>
<td>0.1 - 1%</td>
<td>1000:1 - 100:1</td>
<td>2&quot;</td>
<td>0.53 - 66.14 gph</td>
<td>2*NPT</td>
</tr>
<tr>
<td></td>
<td>2 - 25 m³/h</td>
<td>1 - 8 bar</td>
<td></td>
<td></td>
<td></td>
<td>2 - 250 l/h</td>
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<tr>
<td>TF 25-002</td>
<td>9 - 110 gpm</td>
<td>14.7 - 120 psi</td>
<td>0.3 - 2.5%</td>
<td>333:1 - 40:1</td>
<td>2&quot;</td>
<td>1.06 - 165.4 gph</td>
<td>2*NPT Male</td>
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<tr>
<td></td>
<td>2 - 25 m³/h</td>
<td>1 - 8 bar</td>
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<td></td>
<td></td>
<td>4 - 625 l/h</td>
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<tr>
<td>TF 25-005</td>
<td>9 - 110 gpm</td>
<td>14.7 - 120 psi</td>
<td>1 - 5.5%</td>
<td>100:1 - 20:1</td>
<td>2&quot;</td>
<td>5.3 - 364 gph</td>
<td>2*NPT Male</td>
</tr>
<tr>
<td></td>
<td>2 - 25 m³/h</td>
<td>1 - 8 bar</td>
<td></td>
<td></td>
<td></td>
<td>20 - 1375 l/h</td>
<td></td>
</tr>
</tbody>
</table>
Max. injection rate per hour - MixRite Models

<table>
<thead>
<tr>
<th>Injection Rate (gph / L/h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>344 1300</td>
</tr>
<tr>
<td>317 1200</td>
</tr>
<tr>
<td>291 1100</td>
</tr>
<tr>
<td>264 1000</td>
</tr>
<tr>
<td>228 900</td>
</tr>
<tr>
<td>212 800</td>
</tr>
<tr>
<td>185 700</td>
</tr>
<tr>
<td>159 600</td>
</tr>
<tr>
<td>132 500</td>
</tr>
<tr>
<td>106 400</td>
</tr>
<tr>
<td>79  300</td>
</tr>
<tr>
<td>53  200</td>
</tr>
<tr>
<td>26  100</td>
</tr>
<tr>
<td>0   0</td>
</tr>
</tbody>
</table>

Models:
- TF 5-001
- TF 5-002
- TF 5-005
- TF 10-001
- TF 10-002
- TF 10-005
- TF 25-001
- TF 25-002
- TF 25-005
SPECIFICATIONS

MixRite TF-5 Models

MixRite TF-10 Models

MixRite 3/4” Models

MixRite TF-25 Models
Recommended Accessories

3/4” FlowGuard
Cat. No. 38220000002

3/4” Fertiguard
Cat. No. 38220000001

Suction foot valve
Cat. No. 38005728104

3/4” Static Pressure regulator
Cat. No. 38030200001

50-41-1 Strainer
200 Mesh (80 Micron)

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

Plastic wall mounting bracket
and stand base
Cat no. 36030162765
For all “3/4 MixRite models

3/4” Pressure Regulator

Plastic Wall mounting bracket
Cat no. 36030162765
For all “3/4 MixRite models

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

57-11-1 Tip kit for lean dilution ratios
750:1, 1000:1, 1500:1, 2000:1
Includes 4 metering tips, 8 ft. 1/4” vinyl hose and 1/4”x3/8” barb adapter

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

3/4” Pressure Regulator

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

Plastic Wall bracket for spray and foam applications
For all 500 series

Manual ON/OFF Option

Hydraulic remote control ON/OFF Option

Electric remote control ON/OFF Option for all models
DC (Specify model voltage)

Electric remote control ON/OFF Option for all models
AC (Specify model voltage)
No electricity needed, uses only water pressure to operate

Accurate proportioning regardless of water flow or pressure changes

Replaceable seals require no special tools and free seal kit included with each unit

UV resistant materials

Years of field use in a variety of conditions and applications

Efficient engine design results in minimal pressure loss

10% to 25% more flow than competitive models

Models for injection rates from .1% to 10% with water flow from .08-110 gpm

Models designed to withstand aggressive additives including PVDF models for strong acids and chlorine