

## ► Mister Mist'r® Injection Check Valve and Bleeder Valve

The ultimate in fluid injection efficiency and control.

### Patented technology

In agriculture today, precision is important. Innovative design and years of refinement have made the Mister Mist'r the most efficient and effective injection check valve on the market and a vital key to precision farming and chemigation. In addition, it is standard equipment on every Agri-Inject system.

### How it's used

The key to effective chemigation is complete mixing of the product being injected into the water flowing through the irrigation system. Control of this process is essential to achieving uniform application of fertilizer or chemicals. While many competitors have tried to copy our success, no other injection valve on the market can compare to the performance of the Mister Mist'r.

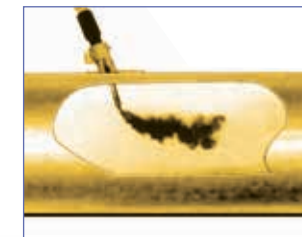
### Four-way spray for uniform application

The Mister Mist'r uses four-way spray that instantly atomizes the chemical being injected into the irrigation stream. The result is complete suspension through your entire irrigation system. You get efficient, uniform distribution of product, improving the effectiveness and profitability of your chemical applications.

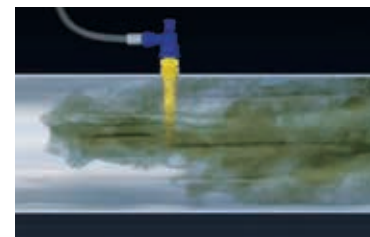
### The difference is clear

When comparing Mister Mist'r performance to other injection valves on the market, it quickly becomes clear that this technology provides superior mixing performance. You can see the chemical is being distributed evenly by the Mister Mist'r injection check valve as compared to the poor dispersion through the conventional injection valve.

#### Competitive Injection Quill



#### Patented Mister Mist'r®



See the full video on [www.agri-inject.com](http://www.agri-inject.com)

### Environmentally safe

Protecting the water supply was of utmost importance when we engineered Mister Mist'r technology. The Mister Mist'r functions as a positive, mechanical spring-loaded two-way check valve to prevent backflow of water into the chemical supply tank. It also prevents accidental leakage of chemical into the main line water stream during shutdown.

Agri-Inject recommends checking each Mister Mist'r® check valve at least once a year. For details visit [www.agri-inject.com](http://www.agri-inject.com)

## Why the industry depends on the Mister Mist'r® Injection Check Valve

- Patented, proven technology that's delivered results for over 30 years in wide range of industries
- Our patented check valve helps prevent siphoning and chemical backflow into the pump and water source.
- Mister Mist'r® models available for pipe sizes ranging from 1" to 12"
- Full range of "construction materials" provides broad range of chemical compatibility including sulfuric acid and liquid chlorine
- Full line of integrated bleeder valves for pump priming and system pressure relief
- Quick connect coupling system for ease of movement from one field to the next
- Quick connect system reduces stress on fittings while in operation
- Full line of hose, fitting and size options
- Fully complies with State and Federal Regulations
- Ease of maintenance with quality OEM replacement parts and the Mist'r Mind'r tool
- Available globally through our quality dealer network

## ► Mist'r Mind'r

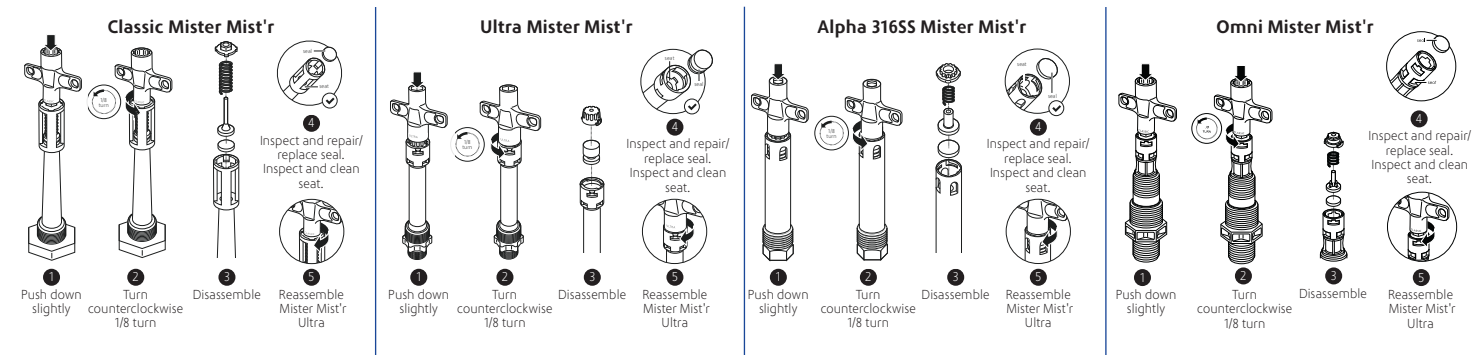
The ideal tool to service the industry's best injection check valve.



### Mist'r Mind'r

The patented Mist'r Mist'r® injection valve is the most advanced check valve available to the irrigation industry. To complement the system, we've developed the Mist'r Mind'r "clean key" that features two different key sizes, allowing it to be used on the "Classic Mister Mist'r", "Ultra Mister Mist'r" and "Stainless Steel Mister Mist'r" injection valves.

All that is normally required during inspection and maintenance is to remove and disassemble the valve using the Mist'r Mind'r, rinse it in clean water, and reassemble it, making sure it seats against the seal. It's as simple as that. Use the convenient Mist'r Mind'r tool to quickly and easily disassemble your Classic, Stainless or Ultra Mister Mist'r. Each end of the tool is engineered to fit the specific model of Mister Mist'r you're utilizing in your Chemigation System.



Eliminate the guesswork of pump selection and pump rate calibration.

**APPLY yourself**



DOWNLOAD THE APP TODAY!



5500 East Highway 34  
Yuma, Colorado 80759 USA  
Toll Free: 800.446.5328 | Ph.: 970.848.5336  
Toll Free Fax: 1.888.846.5328 | Fax: 970.848.5338  
[www.agri-inject.com](http://www.agri-inject.com)

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ALL AGRI-INJECT PRODUCTS ARE ASSEMBLED IN THE UNITED STATES OF AMERICA.

BAC 70871 11/17



## ► Mister Mist'r® Injection Check Valve and Accessories



970-848-5336 | [www.agri-inject.com](http://www.agri-inject.com)



▶ **Mister Mist'r® Injection Check Valve and Bleeder Valve**  
The ultimate in fluid injection efficiency and control.

**Classic**  
mister mist'r®

**Common Uses:** Injection of low/medium rates of fertilizers and Ag chemicals

**Features:** Glass filled polypropylene body, Stainless or coated spring, Viton seal



Acid ready

**Specifications:**

Material	Polypropylene
Volume Capacity	0.05 to 70 gph (1.9 to 265 lph)
Pipeline size	4" to 12" (100 mm to 300 mm)
Connections	1/4" FNPT Inlet, 3/4" MNPT Insertion
Options	Acid ready model (grey), small pipe model
Mister Mind'r Compatible	Yes

**Classic Bleeder Valves**

**Primary Function:** To aid in priming the pump and to relieve pressure when disconnecting discharge hose

**Features:** Glass filled polypropylene body, Viton o-ring



Acid ready

**Specifications:**

Connections	1/4" FNPT Inlet, 1/4" MNPT Insertion
Bleed Tube Connection	3/16" o.d. x 1/8" i.d.
Options	Acid ready model (grey), End of Line Model (plugged)

**Common Assemblies**



Acid ready

**ULTRA**  
mister mist'r®

**Common Uses:** Injection of medium rates of fertilizers and Ag chemicals

**Features:** Glass filled polypropylene or PVDF body, Proprietary elastomer spring seal



Acid ready

**Specifications:**

Material	Polypropylene or PVDF body
Volume Capacity	1.0 to 110 gph (11 to 415 lph)
Pipeline size	6" to 12" (150 mm to 300 mm)
Connections	1/2" MNPT Inlet, 3/4" MNPT Insertion
Options	Acid ready model (black), Mister Mind'r Compatible
Compatible	Yes

**Ultra Bleeder Valve**

**Primary Function:** To aid in priming the pump and to relieve pressure when disconnecting discharge hose

**Features:** Glass filled polypropylene or PVDF fiber filled body, Viton o-ring



Acid ready

Acid ready

**Specifications:**

Input Connections	1/2" FNPT Inlet
Outlet Connections	1/2" quick connect, 3/8" quick connect, 1/2" hose barb, 1/2" MNPT
Bleed Tube Connection	1/4" o.d. x 0.150" i.d.
Options	Acid ready model (black)

**Common Assemblies**



MNPT 1/2" Acid ready

**ALPHA**  
mister mist'r®

**Common Uses:** Injection of higher volumes of fertilizers and Ag chemicals

**Features:** 316 Stainless steel, Stainless steel spring, Viton seal



**Specifications:**

Material	316 Stainless Steel
Volume Capacity	5 to 300 gph (55 to 1,135 lph)
Pipeline size	3" to 12" (80 mm to 200 mm)
Connections	1/2" FNPT Inlet, 3/4" MNPT Insertion
Options	Standard length (6"-12" pipe), Shorty length (2"-5" pipe)
Mister Mind'r Compatible	Yes

**Ultra Bleeder Valves**

**Primary Function:** To aid in priming the pump and to relieve pressure when disconnecting discharge hose

**Features:** Glass filled polypropylene body, Viton o-ring



**Specifications:**

Input Connections	1/2" FNPT Inlet
Outlet Connection	1/2" FNPT
Bleed Tube Connection	1/4" o.d. x 0.150" i.d.

**Common Assemblies**



Shorty with 1/2" Hose Barb

**ALPHA**  
mister mist'r®

**Common Uses:** Injection of medium to high volume of specialized products

**Features:** CPVC Body, Coated spring, recommended for acid and chlorine products



**Specifications:**

Material	CPVC body
Volume Capacity	3 to 150 gph (15 to 570 lph)
Pipeline size	3" to 12" (80 mm to 200 mm)
Connections	1/2" FNPT Inlet, 3/4" MNPT Insertion
Options	Standard length (6"-12" pipe), Shorty length (2"-5" pipe)
Mister Mind'r Compatible	No

*CPVC Mister Mist'r is typically used for Chlorine applications. Use a degassing valve in place of a bleeder valve. Call for recommendations.*



**OMNI**  
mister mist'r®

**Common Uses:** Injection of low to medium rates of agricultural chemicals, acids, and/or chlorine in a wide variety of pipe sizes

**Features:** Rugged construction, PVDF material, Viton seal, Hastelloy C spring, 3/4 MNPT and 1/2 MNPT installation threads, 1/2 MNPT and 1/4 FNPT input threads



**Specifications:**

Material	PVDF body
Volume Capacity	0.03 to 55 gph (1.9 to 208 lph)
Pipeline size	1" to 8" (25 mm to 200 mm)
Connections	1/2" MNPT or 1/4" FNPT inlet, 1/2" MNPT or 3/4" MNPT Insertion
Options	Interfaces with both Ultra and Classic style bleeders
Mister Mind'r Compatible	Yes

**Classic or Ultra Bleeder Valves**

**Primary Function:** To aid in priming the pump and to relieve pressure when disconnecting discharge hose

**Features:** Glass filled PVDF body, Viton o-ring



**Specifications:**

<b>Classic</b>	
Input Connection	1/2" FNPT
Outlet Connection	3/8" Quick Connect
Bleed Tube Connection	1/4" o.d. x 0.150" i.d.
Options	Acid ready model (grey), End of Line Model (plugged)

<b>Ultra</b>	
Input Connection	1/2" FNPT
Outlet Connection	3/8" Quick Connect
Bleed Tube Connection	1/4" o.d. x 0.150" i.d.
Options	Acid ready model (black)

**Common Assemblies**



**mini**  
mister mist'r®

**Common Uses:** Injection of low rates of fertilizers and Ag chemicals

**Features:** Polypropylene, Proprietary elastomer spring seal



**Specifications:**

Material	Glass filled polypropylene
Volume Capacity	Up to 3 gph (up to 11.5 lph)
Pipeline size	2" to 8" (50 mm to 200 mm)
Connections	3/8" tubing Inlet, 1/2" MNPT or 3/4" MNPT Insertion

**Ultra Bleeder Valves**

**Primary Function:** To aid in priming the pump and to relieve pressure when disconnecting discharge hose

**Features:** Glass filled PVDF body, Viton o-ring



**Specifications:**

Input Connection	1/2" FNPT
Outlet Connection	3/8" Quick Connect
Bleed Tube Connection	1/4" o.d. x 0.150" i.d.
Options	Acid ready model (black)

**Common Assemblies**



3/8" Quick Connect

1/2" Hose Barb

**HOSE KIT OPTIONS:**

**High Pressure Hose Kits**

**Common Uses:** Injection of low/medium rates of fertilizers and Ag chemicals

**Features:** Polyethylene inner core, braided rubber coating

**Works With:** 3/8" and 1/2" Ultra; 3/8" Classic Bleeder

**Specifications:**

Volume Capacity	0.05 to 50 gph (0.2 to 190 lph)
Hose size	1/4" i.d., 3/8" i.d., and 1/2" i.d.
Connections	Insert tubing fittings and hose barb
Lengths	12' (3.7 m) Standard, 20' (6.1 m) Optional



**Grey Braided Hose Kits**

**Common Uses:** Injection of medium/high rates of fertilizers and some Ag chemicals

**Features:** PVC with a nylon braided reinforcement and a gray PVC UV resistant outer coating

**Works With:** 3/8" or 1/2" Ultra Bleeder

**Specifications:**

Volume Capacity	2 to 310 gph (7.5 to 1,173 lph)
Hose size	1/2" i.d., 3/4" i.d.
Connections	Insert tubing fittings and hose barb
Lengths	12' (3.7 m) Standard, 20' (6.1 m) Optional



**Acid Ready Hose Kits**

**Common Uses:** Injection of low rates of acid based fertilizers and chemicals

**Features:** Polyethylene inner core, braided rubber coating, acid ready fittings that are hose clamped

**Works With:** 1/2" Black Ultra Hose Barb

**Specifications:**

Volume Capacity	0.05 to 110 gph (0.2 to 420 lph)
Hose size	1/4" i.d., 3/8" i.d., and 1/2" i.d.
Connections	Acid resistant insert tubing and hose barb fittings
Lengths	12' (3.7 m) Standard, 20' (6.1 m) Optional

