



AGRI-INJECT

Because irrigation can deliver more than just water.

Agri-Inject.com

**Fluid injection
technology systems
for precise control
over what happens
in your fields.**



PRODUCT GUIDE

Your irrigation system
should do more than
just water your crop.

Agri-Inject makes
that happen.



Agri-Inject: A pioneer in fluid injection technology since 1983.

Applying fertilizer and crop protection products through irrigation systems with Agri-Inject fluid injection technology just makes sense—economically, agronomically and environmentally. You can put Agri-Inject technology to work in virtually any field—from row crops to vegetables, from fruit to nuts, from turf to hay.

Precisely.

With fluid injection technology from Agri-Inject, you can:

- ▶ Apply a wide range of products through your irrigation system: fertilizer, insecticides, herbicides, fungicides, soil amendments, acid products, wetting agents and more.
- ▶ Reduce costs of chemicals, fertilizer and application labor for bottom line returns.
- ▶ Manage for better plant health and optimum yields through season-long application at levels that make sense economically—and for your plants.
- ▶ Achieve greater control of timing, input costs, application costs and response to crop threats.
- ▶ Be confident that you are being environmentally responsible and improving safety on your farm.

Intelligent engineering and rugged construction.

Agri-Inject systems are smartly designed to be easy to use, easy to install and incredibly precise and reliable. At the same time, they are built to stand up to the elements and less-than-ideal conditions that are standard in the field.

One-of-a-kind, high accuracy pumps you can count

on. Agri-Inject systems are powered by diaphragm pumps manufactured exclusively for us by Milton Roy. Agri-Inject pumps are hands-down the most accurate, reliable and long-lasting pumps available—and you can't get them anywhere else. If you don't see the signature yellow pump, it's not an Agri-Inject system!

Complete systems, ready to install. It doesn't matter which Agri-Inject system you choose—every system comes with everything you need including our patented Ultra Mister Mist'r® Injection Check Valve, discharge hose, filter and switch. Oil for your pump, calibration instructions, gloves—it's all there!

Proven over the long haul. Agri-Inject has been a leader in fluid injection technology since 1983. We have a track record of reliability, precision, innovation and results spanning hundreds of thousands of acres and dozens of crops across six continents.

Design details that make a difference. After three decades of leadership in fluid injection technology, we've built in features that improve performance, convenience and long life. Cone-shaped tank bottoms for complete emptying and easy wash out. Easy-fill tank openings. Domed tank tops that direct rain away from the tank. Wide, rugged bases that prevent tipping. And many more...

A network of dealers who know their stuff. Your local Agri-Inject dealer is your source for fluid injection technology from Agri-Inject. Your authorized Agri-Inject dealer is well versed in the benefits, installation and service of your system—and can work with you to select the Agri-Inject technology that matches your operation and your objectives.



This is where the product hits the water.



An ordinary check valve essentially “squirts” product into the water flow with little dispersion at the point of injection.

The patented Ultra Mister Mist'r® has a four-way spray that effectively atomizes the inject product immediately for even distribution throughout the irrigation water flow.



Bleeder Valves Agri-Inject bleeder valves are used in combination with the Mister Mist'r® Injection Check Valve as a means of bleeding air from the discharge tubing to aid in pump priming. The valves also provide a way to safely bleed off pressurized fluid in the line when application is complete.

Our patented **Ultra Mister Mist'r® Injection Check Valve** (U.S. Patent No. 6,230,982) sets the industry standard for injection innovation. Its four-way spray design essentially atomizes the injected product and evenly distributes it into the irrigation water flow. The moving parts are continually cleaned by the moving water. Available in corrosion-resistant plastic or stainless steel for high-volume applications.

Mister Mist'r also serves as a positive two-way check valve to prevent backflow of water into the system tank—and to prevent accidental leakage of chemical into the mainline water stream during shutdown. Mister Mist'r has been approved as a chemigation check valve by all state and federal regulatory agencies, so you are assured that your Agri-Inject system is in compliance no matter where you are!



*If it isn't a Mister Mist'r,
it's just a poor imitation!*

11 reasons you should add an Agri-Inject system to your operation.

1 Perfectly in sync with precision agriculture. Agri-Inject is all about precision—applying the precise amount of fertilizer and crop protection products at precisely the right times during the growing season. That’s a sound strategy for improving yields and ensuring crop health all season long.

2 Reduced fertilizer and chemical costs. With Agri-Inject, you can apply less product without sacrificing results, because you’re able to apply more precisely and completely across the field.

3 Versatility and flexibility. Agri-Inject systems are available for a wide variety of applications, crops, situations and products—and duplex systems can be used for a number of different products.

4 Improved effectiveness of inputs. Many crop products have been proven to be more effective when applied through irrigation. With Agri-Inject, you can use less fertilizer or chemical without losing effectiveness.

5 Simple, easy calibration. You don’t need an engineering degree to operate an Agri-Inject system. Calibration is extremely easy, accurate, intuitive and repeatable.

6 Environmentally sound. Lower rates of chemical and fertilizers help you provide what your crop needs while reducing the environmental impact. With Agri-Inject, there are other benefits of reduced drift and reduced labor and energy costs. Agri-Inject also offers containment options to provide even further assurance of environmental safety.

7 Uniform coverage. With an Agri-Inject system, you get complete and uniform coverage across your entire field. No skipped rows. No “hot spots.” If it’s getting water, it’s getting fertilizer or chemical—dispersed evenly and completely with your Agri-Inject system.

8 Improved safety. Handling of chemicals is greatly reduced with an Agri-Inject system, so operator exposure is minimized and the chance for spills is diminished.

9 More timely than custom/aerial application. And less expensive. No more waiting for the spray plane. You can apply what your crop needs, when it needs it—and do it at a lower cost per acre. Unlike aerial applications, there is no need to shut off your pivot system and stop watering to apply product.

10 Cost savings year after year. Your one-time investment in an Agri-Inject system pays you back application after application, field after field, season after season—through reduced chemical and fertilizer costs, increased efficiency and crop performance.

11 Outstanding service and support. Agri-Inject is known far and wide for its responsive service and technical support. We work closely with you and your authorized Agri-Inject dealer to address any concerns, questions or warranty issues. When you’re irrigating, you can’t afford to wait for answers. We get that.



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The Agri-Inject Line-Up of Fluid Injection Technology Systems



Standard Chemigation Systems

Precise application of crop inputs as you irrigate.

Used for: Applying fertilizer, herbicides, insecticides, fungicides and other fluids to a wide variety of crops.

Tank Capacities: 70, 110, and 200-gallon tanks available.

- ▶ Easily fitted to most center pivot, linear sprinkler, drip and solid set irrigation systems
- ▶ Quickly and easily moved from one field to another
- ▶ 60- and 90-gallon containment units available for added environmental safety



Large Capacity Chemigation Systems

For bigger jobs and heavier products in suspension.

Used for: Large-scale application of highly viscous—even slurried—materials through irrigation systems, including gypsum, potash, ground calcium compounds and other organic soil amendments.

Tank Capacities: 300, 400, 500 and 600-gallon tanks available.

- ▶ Keeps even the heaviest materials in suspension for uniform application
- ▶ Powerful pump and agitation system for high performance and long life
- ▶ Works with any irrigation system

Fertilizer Injection Systems

Feed your plants exactly what they need, precisely when they need it.

Used for: Precise and complete application of liquid fertilizers through irrigation systems, allowing you to feed your crop throughout the growing season.

Pump Sizes: A/P Series: 5.6, 11, 18 & 30 gph 18/18 & 30/30 available on duplex
D Series: 25 and 50 gph
G Series: 55, 110, 150 and 310 gph
MRoy B: 57 and 85 gph simplex; and 57/57 and 85/85 gph duplex
MaxRoy: 190 and 227 gph

- ▶ Pump fertilizer from a bulk tank and inject uniformly into irrigation stream
- ▶ Easily adjustable without shutting down the system
- ▶ Precise metering and pumping accuracy with the simple twist of a knob
- ▶ Duplex configuration available with independent control of two pumping heads from a single system
- ▶ Acid compatibility



Insectigator III™ Systems

A pivotal strategy in managing pests.

Used for: Precise application of low volumes of insecticides and fungicides to quickly address crop threats.

Tank Capacities: 10, 20, and 30-gallon tanks available.

- ▶ Adaptable with many power configurations: single phase, three phase and 12Vdc applications
- ▶ Mixer option available on all sizes
- ▶ Engineered to prevent damage from corrosive chemicals
- ▶ Lightweight with molded handles for easy transport from field to field





Proportional Injection Systems

Even greater precision and control in variable rate irrigation systems.

Used for: Golf courses, athletic complexes, zone-based variable rate irrigation systems, or any system requiring a variable speed pump.

Sizes/Capacities: 30 simplex and 30/30 duplex; other sizes available

- ▶ Varies the injection rate proportional to flow
- ▶ Can also adjust to pH, changing pumping rate to maintain pH target
- ▶ User-friendly control panel with LCD display
- ▶ Simplex or duplex pump configurations available
- ▶ Acid and chlorine compatibility



BoundaryRider™

A preventive perimeter to keep pests out of your field.

Used for: Applying insecticides along the outer edge of your fields to prevent inbound pest infestations.

Tank Capacity: 10 gallons

- ▶ Easily mounts on the outer towers of center pivot irrigation systems
- ▶ Applies insecticides along edge of field and vulnerable pivot corners
- ▶ Treats only those acres that need it
- ▶ Designed to pump concentrated chemical without dilution or mixing
- ▶ Extremely accurate metering pump



Agri-Inject: A proven company with the heart of a farmer.

Born in the fields of Yuma, Colorado in 1983, Agri-Inject has never strayed from its roots. The company was created by a farmer—and we're still here in the heart of agriculture, developing technology and products that help growers of all types get more out of every dollar they invest in every acre.

We're committed to helping growers around the world become more efficient and more profitable through fluid injection technology. Discover how Agri-Inject can transform your irrigation system into a finely-tuned, cost-efficient delivery system for fertilizer and crop protection products.



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**FOR THE AUTHORIZED AGRI-INJECT
DEALER NEAREST YOU:**

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