

Fertilizer Injection Systems

Efficient application of fertilizer to a variety of crops through your irrigation system.



Agri-Inject, Inc.



Complete

Everything you need to get up and running quickly and easily.

Accurate

Precise, uniform fertilization helps maximize yield.

Effective

Give your crops the boost they need, with less fertilizer.

Economical

Save application costs, fertilizer costs, time and labor.

Quality Engineering

Designed for dependability, built to last.

Ease of Operation

Simple to install, operate and maintain.

Versatile

Systems to meet almost every grower situation.

Safe

Safeguards the operator and the environment.

Complete packages to lower costs a



When you buy a fertilizer injection system from Agri-Inject, you're getting a whole lot more than just a pump on a piece of plywood. As the world leader in fluid application technology and equipment, we've gone to extremes to make sure that every pump we produce is complete in every detail. Our fertilizer injection systems are designed and engineered to provide reliable performance and maximum results in any operation.

We provide you the complete package. Everything you need to get up and running quickly and easily—backed by the experience and expertise to help you enjoy the cost-saving, yield-enhancing benefits chemigation offers.

Accurate

- Targeted application puts fertilizer only where it's intended.
- Consistent, uniform application. No missed rows and no overlaps.
- Precise control of injection rate avoids under or over application.

Effective

- The right amount at the right time gives you the results you want, with less fertilizer.

Quality Engineering

- Dependable operation with little maintenance required.
- Built to resist corrosion and stand up to the elements. Built for long life.
- Compact design fits into tight areas.

Versatile

- Delivers top performance with nearly any sprinkler irrigation system.
- Effective with a broad spectrum of crops.
- Wide range of pump capacities to fit any situation.
- Several power supply options to choose from.
- Duplex configuration available. Independent control of two pumping heads from a single system.

Economical

- Reduced fertilizer usage means lower costs.
- Eliminates expense of aerial or ground sprayers.
- Saves time, labor, fuel and wear on machinery.
- The more times you fertilize, the more times you save.

Ease of Operation

- Pump system comes complete, ready to run. No need to build it yourself.
- Easy to install.
- Minimal oversight required. Set it and go.
- Flow rate easily adjustable, even while system is running.
- Designed to make maintenance a breeze.

Safety Comes First

- Closed system reduces need for mixing and limits operator exposure to concentrates.
- No external moving parts to pose operational hazards.
- Direct, prescription application reduces leeching and drift.
- Operator need not be present during application, so less risk of exposure.



The Heart of t

Milton Roy pumps makes fertigation s

- Teflon® diaphrag from corrosive c
- to deliver pinpoint
- Oil bath lube for for long pump li
- Agri-Inject is a w authorized servic agricultural pum

Maintenance Down the Road

With Agri-Inject systems, your quest to find you need to keep your equipment up and c When it's time for routine preventive maint you need to keep your system in tip-top co Inject dealer. See your local dealer for detai

Adjustable on the Go

Easy-to-read flow rate dial makes adjustment simple, even when the pump is running.



On/Off Features

Electrical switches offer a variety of hook-up options. Short circuit sensor, surge protection, and manual resettable breaker are available features that protect your investment.



Solid Foundation

Rugged *stealth base* provides stable pump installation and keeps unit out of the dirt for trouble-free operation.

and help increase your yields.



Agri-Inject, Inc.

System

Deliver the accuracy that is effective. The design separates internal workings to concentrate and flexes gently for accuracy. Moving parts minimize friction with low maintenance. World-wide distributor and center for Milton Roy.

All those miscellaneous parts that make operational is greatly simplified. In fact, you'll find everything you need at your local Agri-



Total Injection Package

No need to shop around. Agri-Inject is a complete source for all your fertilizer system needs.

- Most all the hoses, valves and fittings you need to get up and running quickly and easily are included or available with your Agri-Inject fertilizer system pump.
- Exclusive Mister Mist'r® injection valve* with four-way release delivers accurate amounts of concentrate right into the middle of the water supply pipe.
- Mister Mist'r is also a check valve that helps prevent unwanted leakage or back flow contamination for increased safety.
- Versatile bleeder/needle valve adds even more convenience, control and safety to the injection process.

*U.S. Patent Number 4,715,393



Easy Maintenance

Agri-Inject systems are engineered for easy maintenance.

Accessible fittings, right-angle check valves, handy oil plug and easy-to-change filter assembly like the one pictured here are all specifically designed for easy access and maintenance. The end result is a labor saving system that will last.

Built to Last

We use stainless steel and other space-age materials that stand up to corrosive chemicals and the elements of nature for our pump systems.

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Fertilizer Injection System Selection Guide

Simplex Milton Roy Diaphragm Metering Pumps

Maximum Capacity Per Hour*		Series**	HP	Electrical Options			Switch Options		Strainer Options		Mister Mist'r Check Valve Options		
Gal.	Liter			Single Phase	12 Volt	Three Phase	Single	None	Yes	No	Standard	High Volume	Max. Volume
18	68	mRoyP	1/4	■	■	■	■	■	■	■	■	N/R	N/R
30	114	mRoy A	1/4	■	■	■	■	■	■	■	■	N/R	N/R
57	216	mRoy B	1/2	■	■	■	■	■	■	■	■	N/R	N/R
85	322	mRoy B	1/2	■	■	■	■	■	■	■	■	N/R	N/R
227	360	MaxRoy B	1-1/2	■	NR	■	■	■	■	■	■	N/R	N/R

Duplex Milton Roy Diaphragm Metering Pumps

18/18	68/68	mRoy P	1/4	■	■	■	■	■	■	■	■	N/R	N/R
30/30	114/114	mRoy A	1/4	■	■	■	■	■	■	■	■	N/R	N/R
85/85	322/322	mRoy B	1/2	■	■	■	■	■	■	■	■	N/R	N/R

Series G Simplex System Pumps for High Volume, Top Efficiency

28	106	Series G ¹	3/4	■	■	■	■	■	■	■	■	N/R	N/R
55	208	Series G ¹	3/4	■	■	■	■	■	■	■	■	N/R	N/R
110	416	Series G ¹	3/4	■	■	■	■	■	■	■	■	N/R	N/R
150	568	Series G ²	3/4	■	■	■	■	■	■	■	■	N/R	N/R
310	1173	Series G ³	3/4	■	■	■	■	■	■	■	■	N/R	N/R

* All pumps are accurately adjustable down to a level that is ten percent of their maximum capacity. Indicated capacity rates are based on a 1725 RPM motor at 60 Hz.

** mRoy P Series pump handles high viscosity liquids and has a maximum discharge pressure of 1,800 psi. mRoy A Series pump has a maximum discharge pressure of 200 psi. mRoy B Series pump has a maximum discharge pressure of 100 psi. MaxRoy B Series pump has a maximum discharge pressure of 50 psi.

1 Series G, model B-40 pump has a maximum discharge pressure of 150 psi.
2 Series G, model B-60 pump has a maximum discharge pressure of 100 psi.
3 Series G, model B-80 pump has a maximum discharge pressure of 50 psi.
N/R = Not recommended



How Chemigation Can Improve Your Profitability

Lower costs. Higher yields. That's the winning formula chemigation delivers to growers across the nation and around the world.

More than 30 years of research and on-the-farm testing and experience have proven that this technology of adding fertilizer and other chemicals to the water flowing through an irrigation system pays off.

A properly designed and operated chemigation system can help you:

- **Produce greater yields** through timely, prescription application. With chemigation, you apply the right product, in the right dosage at the right time. That means cleaner fields, healthier plants and bin-busting yields.
- **Reduce production inputs** by reducing chemical usage and application expenses. Many chemicals are more effective with chemigation, so you use less. And by turning your irrigation system into a chemical applicator, you eliminate the need for conventional aerial and ground rig sprayers.

When you add it all together—higher yields at lower input costs—the answer is clear. Chemigation means higher profits for you.

Look to the Leader for Chemigation Success

The widespread acceptance of chemigation, and the cost savings and higher profits it makes possible, are no surprise to us at Agri-Inject. After all, chemigation is—and always has been—our sole focus. We've been the leader in chemigation technology and equipment for more than a decade.

That's why you can look to us for:

- **Solid advice** on how chemigation works and the benefits it can bring to your operation.
- **Complete, easy-to-install** injection systems so you can begin enjoying the advantages of chemigation quickly and easily.
- **Top quality equipment** you can count on for low maintenance and worry-free performance.
- **Continuing support** as you put the chemigation advantage to work in your fields.

Our Goal is to Help You Succeed

Agri-Inject strives to make the use of chemigation technology as easy for our customers as possible. That includes providing a level of customer service and a three-year warranty program that is virtually unmatched in the industry on most every piece of equipment.



Located in northeast Colorado in the heart of the USA.



Agri-Inject, Inc.
5500 East Highway 34
Yuma, Colorado USA 80759

For the name or location of your nearest Agri-Inject Dealer, contact us at:

Telephone: 970-848-5336
Toll Free (Within Continental U.S.)
1-800-446-5328
Toll Free Fax: 1-888-846-5328

Internet Address:
<http://www.agri-inject.com>
e-mail: inject@plains.net