

# Large Capacity Chemigation Systems

Complete large volume systems to apply solutions and slurries through your irrigation system.



**Agri-Inject, Inc.**

**O**ur Large Capacity Chemigation Systems are a scaled-up version of our basic chemigation units. They provide the same accuracy, efficiency and dependability that our smaller systems have delivered for years—only on a bigger scale.

In addition to water soluble chemicals and fertilizers, our Large Capacity Systems also handle heavy solutions of non-soluble materials in slurry form.

With larger tanks and pumps, these systems are designed to chemigate large areas with fewer tank refills and limited monitoring of operation.



## Complete

Comes as a total unit, ready to install and put to work.

## Versatile

Four big tank sizes and multiple pump sizes to choose from. Adapts to most irrigation systems. Handles wide range of materials.

## Accurate

Series G metering pumps deliver precise amounts of concentrate. Especially suited for slurry materials. Easy to adjust flow rate.

## Built to Last

Every component is made of space age materials that resist corrosion, abrasion, and the elements of nature.

## Dependable

Save on costs of chemicals and application.

## Safe

Reduced handling limits operator exposure. Directed application reduces drift.

# Large Capacity Chemigation Systems Guide

Chemigation systems designed to fit most any need, no matter how big they are.

Gallons/(Liters)	Large Capacity Chemigation Systems Available Pump - Maximum Capacity Gallons Per Hour (Liters Per Hour) *					Large Capacity System Dimensions		
	28 (22)	55 (208)	110 (416)	150 (568)	310 (1173)	Height Inches/(Meters)	Width Inches/(Meters)	Length Inches/(Meters)
<b>Large Capacity Chemigation Systems Tank Capacities</b>								
300 (1136)	■	■	■	■	■	51.75 (1.32)	64.5 (1.64)	84.5 (2.15)
400 (1514)	■	■	■	■	■	59.00 (1.50)	64.5 (1.64)	84.5 (2.15)
500 (1893)	■	■	■	■	■	66.25 (1.68)	64.5 (1.64)	84.5 (2.15)
600 (2271)	■	■	■	■	■	73.50 (1.79)	64.5 (1.64)	84.5 (2.15)
<b>Pump Series **</b>								
	Series G <sup>1</sup>	Series G <sup>1</sup>	Series G <sup>1</sup>	Series G <sup>1</sup>	Series G <sup>1</sup>			
Horsepower	3/4	3/4	3/4	3/4	3/4			
<b>Available Electrical Configuration Options</b>								
Single Phase	■	■	■	■	■			
12 Volt	■	■	■	■	■			
Three Phase	■	■	■	■	■			
<b>Available Switch Assembly Options</b>								
Single	■	■	■	■	■			
Two	■	■	■	■	■			
None	■	■	■	■	■			
<b>Available Strainer Assembly Options</b>								
Single	■	■	■	■	■			
Dual	■	■	■	■	■			
None	■	■	■	■	■			
<b>Mister Mist<sup>®</sup> Check Valve*** Assembly Options</b>								
Standard	■	■	N/R	N/R	N/R			
Hi-Volume	N/R	N/R	■	■	■			
Max-Volume	N/R	N/R	■	■	■			

Note: All height measurements to top of mixer motor. Length includes pump stand. Systems without pump stand will have a diameter measurement of 64.5 in. (1.64 m)

\* 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.  
 \*\* Series G pumps are especially well suited for handling slurry and high volumes.  
 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.  
 System is also available with mRoy pumps.  
 \*\*\* Mister Mist<sup>®</sup> check valve U.S. Patent Number 4,715,393  
 N/R = Not Recommended

The following list of soil amendments have been proven to be compatible with the Large Capacity Chemigation System. There may be other products that are suitable for use with the system that are not listed here. Please consult your crop consultant, farm advisor or chemical sales representative to assure chemical compatibility among these and other unlisted products.

Ammonium Nitrate	Potassium Sulfate (Potash)	Ammonium Sulfate
Boric Acid	Zinc Sulfate	Calcium Nitrate
Ground Limestone	Gypsum (Solution Grade)	UAN-32
Humic Acid	Iron Sulfate	10-34-0
Manganese Sulfate	Magnesium Sulfate	
Microbial Inoculants	Potassium Nitrate	

And other soluble compounds and various organic products.

## Big Chemigation Systems for Your Big Jobs

Everything about our Large Capacity Chemigation Systems is big and tough.

They're designed to pump large volumes to cover broad areas. They're engineered to handle heavy slurries of organic products, as well as fertilizers and other chemicals. And they're built rugged—of sturdy materials—so they'll withstand the rigors of the big jobs and keep on working, year after year.

But even though they're noted for their size and strength, our Large Capacity Chemigation Systems were built with the same careful attention to detail that marks every piece of Agri-Inject equipment. The same quality engineering and construction that gives you accurate, reliable performance saves you time, effort and money.

- Tank capacities of 300, 400, 500, and 600 gallons (1,136; 1,514; 1,893; and 2,271 liters) let you choose the large capacity system that best meets your requirements. Larger tanks mean less monitoring and fewer fills.
- Dependable Series G pumps—available in five sizes ranging from 28 to 310 gallons (106 to 1,173 liters) per hour—

are especially suited to handle and move large volumes and heavy materials. No other metering pump handles slurry as well as the Series G. (Quality mRoy metering pumps are also available on the Large Capacity System.)

- Mixing assembly keeps chemicals mixed and non-soluble products in suspension to provide complete, consistent application.
- Tanks, pumps, plumbing, and base are made to last. Built-in, easy-to-clean strainer assembly protects pump and lines. Built for years of dependable service.
- Solid base keeps everything out of the muck and gives the complete unit a solid foundation. All components are arranged for easy maintenance.
- Big, accessible tank loading port makes filling safe and easy. Helps reduce labor and risk of spillage.
- Domed top keeps rain out. V-shaped tank bottom promotes complete product use and easy drainage for quick clean-up.
- Large Capacity System tanks are also adaptable for use as mixing stations.



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](mailto:inject@plains.net)