



CHEMIGATION SYSTEMS INTERNATIONAL

## Precision Injection Systems



Fertilizer pumps & chemical injectors for single liquids.



Standard models for 2, 3 or 4 materials. Fertiligation and chemigation in one package.



Custom injection systems for special irrigation projects.

**CSI injectors**  
reliable injection and metering of liquid fertilizers and chemicals.

■  
**Vacuum injection**  
using pumped venturi injectors

■  
**Fertilizer injector pumps**

■  
**Few moving parts**

■  
**Proven low maintenance**

■  
**Safer handling of chemicals**

■  
**Modest Cost**

**Single and multiple injector configurations.  
Sizes to cover almost all fertigation and chemigation needs.**



# Injectors

## For One Liquid At A Time



### Model 60E

A basic electric powered fertilizer injector. This one injects fertilizer at any rate up to 60 gallons per hour. CSI has other models for higher or lower injection rates.



### Model 400G

*Honda gas powered injection at 400gph with timer, plus low irrigation water pressure and low oil pressure.*



### Model 15T

This fertilizer pump brings pumped venturi injection to the world of hydraulic-powered center pivot irrigators.

This one delivers fertilizer at any rate up to 15 gallons per hour. Call us if you need more capacity.



### Model 160 AUTO F

This is a pumped venturi fertigation pump which injects fertilizer at flows up to 160 gph in precise proportion to irrigation water flow.

Generally used with zoned irrigation systems such as those on golf courses. Also desirable on center pivots with corner coverage.



### Model 15 SE T45

15 gph pumped venturi injector with push-button electric starter and integrated 45 gallon chemical supply polyethylene tank. ChemIndustrial also offers larger free-standing poly tanks in a wide range of shapes and sizes.

### Simple but effective

CSI's single-liquid injectors handle most fertigation and chemigation jobs.

#### Rates

4 different sizes:

- 0 to 400 gph
- 0 to 160 gph
- 0 to 60 gph
- 0 to 15 gph

#### Options

Electric, hydraulic, gasoline and diesel powered versions.

Materials for extra corrosion resistance.

Automation packages for easy control of complex injection programs.

#### Accessories

Installation kits.

Mix tanks and feed tanks.

Wheel kits.

Trailer-mounted injector systems: flat-top or containment trailers.

#### Specials

What do you need? Chances are we can meet any unusual requirements.

# Injectors

## For More Than One Liquid At A Time



**Model 60/15/15 AUTO T**  
Electric injector for three liquids: one at 60gph, two at 15gph, with timers.

### Only a few of CSI's multi-injector models are shown.

The real story is flexibility. You can buy a CSI system with one centrifugal pump and 1, 2, 3 or 4 venturis mixed or matched in almost any capacity & function combination.

Models are available for simultaneous or sequential injection of:

- fertilizer
- acid (for pH control)
- micro-nutrients
- soil penetrant
- chlorine solutions

...and most other agricultural chemicals.

CSI's multi-injectors offer all the same options and accessory choices as CSI's single-liquid machines.

As for control options, CSI can provide timing and sequencing on the injector, or we can supply a built-in interface to your irrigation automation system. Computer controlled systems can be internet enabled.

**Model 60R/60R SE/X**  
This one feeds two liquids, each at 60 gallons per hour. Includes Option R for more resistance against harsh chemicals. Comes with push-button electric starter.



**Model 15/15/15/15 E**  
Electric injector feeds four liquids, at up to 15 gph each. As always, the flow of each liquid can be set independent of the others.



**Model 60 E/X**  
Electric injector feeds fertilizer at 60 gph. On board disconnect switch by CSI to reduce the owner's installation cost for meeting electrical code requirements.



**Model 160/60A/60A E/X**  
Electric injector feeds fertilizer at 160 gph and feeds two acidic materials at up to 60 gph each. A custom panel by CSI meets the owner's timing requirements.





# Special Systems



A computerized mobile fertigation system to provide proportional fertilizer injection at several irrigation sites miles apart.

If you need a custom-designed injection system, chances are CSI's Special Systems Department can satisfy your requirements competently and economically.

## What customers say about CSI

Customers like CSI injectors. Here are a few testimonials:

*"It's fantastic! We just load the tank, set the time, and stand back. My foreman says we have had zero problems. It's a complete turn-key operation and it's totally portable to serve my three different areas. You just can't beat it!"*

- Don Raymond  
E.E. Raymond Cranberries Plymouth, MA

*"This job used to take forever, but now we send just one man out with the CSI unit. We needed three with our old system."*

-Don Nolan  
Cranguyma Farm Long Beach, WA

## A few words about the company...

CSI is engaged in the development, manufacture and world-wide marketing of precision injection systems used for fertigation and chemigation in agriculture, turf, horticulture and landscape.

We work hard to provide injector pumps that meet users' needs. Our aim is to reduce your crop input costs while increasing your yields.

CSI systems have been thoroughly tested in the field. Customers have helped us improve construction details and overall design of our injectors.

CSI takes personal and environmental safety requirements very seriously.

**CSI WANTS TO BE  
YOUR INJECTOR SUPPLIER.**

CSI strives for continuous product improvement. We reserve the right to change the specifications and/or appearance of our products without notice.

