

Chemical Injection Equipment

PRECISION AGRICULTURE

Apply the precise amount of fertilizer and crop protection products at precisely the right time during the growing season.

REDUCE COSTS

Only apply what the crop needs, when the crop needs it without sacrificing results.

UNIFORM COVERAGE

You get complete and uniform coverage across your irrigated field. No missed rows or "hot spots".

ENVIRONMENTALLY SOUND

Lower rates of chemicals and fertilizers to supply your crop needs. Reduced drift and less handling of chemicals reducing operator exposure.



Feed your crops exactly what they need, precisely when they need it with an Agri-Inject fertigation system.

The fertigation systems provide precise and complete application of liquid fertilizers through irrigation systems,

allowing you to feed your crop throughout the growing season.

When you buy an Agri-Inject fertilizer injection system from Pivot Irrigation and Pumping, you're getting a lot more than "a pump on a piece of plywood." As the world leader in fluid application technology and equipment, Agri-Inject have gone to extremes to make sure every system we produce is complete in every detail. From the pumps to Mister Mist'r valves, the fertilizer injection systems are designed and engineered to provide reliable performance and maximum results in any operation.

We provide you with the complete package. Everything you need to get up and running quickly and easily, including our patented Mister Mist'r injection check valve, discharge hose, filter, pump oil, calibration instructions and gloves. Plus it's backed by our experience and expertise to help you enjoy the cost-saving, yield-enhancing benefits all Agri-Inject systems offer.

Key Features

- Draw 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
- Fully interlocked with Pivot or Lateral Controls
- Quick connections for use on multiple machines




Mister Mist'r
Check Valve


Pivot
Irrigation & Pumping

Pivot and Lateral Specific Solutions

Custom Application Charts



Customer:
Name Smart Irrigator
Address Chinchilla, QLD
Phone Number 0412 345 678
Field Name 225m Towable
Salesperson Ross Ecroyd
Dealership Pivot Irrigation And Pumping
Date 15-Feb-13




Pivot Application Timer Chart

Distance to LRDU, m	384.3	Max Injection Pump L/Hr	474.0	(150 GPH Pump Unit at 50Hz)
Overhang Length, m	16.7	Pivot Rev Speed	9.7	
End Gun Throw, m	0.0	Pivot Application (mm)	4.8	
Pivot LPS	70.0	Pivot Speed	100%	
Degrees of Rotation	360.0	Degrees of Rotation	360.0	
% End Gun On	0.0			
Pivot Pressure, Bar	2.1			

End Gun LPS	0.0	Injection Rate Chart Assumes Pivot is running at 100% speed		
Irrigated Hectares	50.5			
LPS / Hectares	1.4			
Millimeters / Day	12.0			

Chemigation Pump Dial Setting	Injection Rate Per Hour (l/hr)	Injection Rate per Revolution (l)	Injection Rate Per Hectare (l/ha)
100	474.0	4590	90.9
90	426.6	4131	81.8
80	379.2	3672	72.7
70	331.8	3213	63.6
65	308.1	2983	59.1
60	284.4	2754	54.5
55	260.7	2524	50.0
50	237.0	2295	45.4
45	213.3	2065	40.9
40	189.6	1836	36.4
35	165.9	1606	31.8
30	142.2	1377	27.3
25	118.5	1147	22.7
20	94.8	918	18.2
15	71.1	688	13.6
10	47.4	459	9.1

Because the above information is based upon variables (end gun range, psi, gpm, bar, lbs), that are produced by the customer and other parties which we cannot verify, Pivot Irrigation and Pumping cannot guarantee the accuracy of the above conclusions. Furthermore, Pivot Irrigation and Pumping makes no representations or recommendations as to percent timer setting, water application rates, and other similar farm management decisions.



The Leader in Precision Irrigation

APPLICATION SUPPORT

With every injection system supplied a custom application chart specific to that system is configured and supplied with the system. Simplifying system use and application rate calculations.

ZERO DOWNTIME

All injection system are fully interlocked with pivot or lateral controls to ensure no missed areas or incorrect application of fertilizer or chemicals.

VERSITILITY

Injection systems are available in 12V DC units suitable for locating at existing diesel pump stations. Also available in 3 Phase units for locating at the pivot or on the lateral irrigator.

For more information on any of our products or services please visit us on the Web at:

www.pivotirrigation.com.au

With our extensive experience in the irrigation industry and thorough understanding of the application of pivots and laterals, Pivot Irrigation and Pumping can design, configure and install injection equipment specifically suited to needs of Australian growers.

Fertilizer System Selection Guide

Pump Model	Max l/hr	Min l/hr	Power Hp	Input Pressure	Single Phase	Three Phase	12V DC
28	106	10	3/4	150psi	x	x	x
55	208	20	3/4	150psi	x	x	x
110	416	41	3/4	150psi	x	x	x
150	568	56	3/4	100psi	x	x	x
310	1173	117	3/4	50psi	x	x	x

*All pumps are accurately adjustable down to 10 percent of their rated capacity.
 ** Capacity rates based on 1725rpm models.

SERVICES AVAILABLE

- Design
- Installation and Setup
- Technical Support
- Maintenance
- Application Support



Gunnedah
 44 Connadilly St
 Gunnedah, NSW 2308
 PH: 02 6742 6501

Goondiwindi
 47 Russell St
 Goondiwindi, QLD 4390
 PH: 07 4671 5162

Toowoomba
 Unit 12 1-5 Gardner Ct
 Toowoomba, QLD 4350
 PH: 07 4634 7667