



Precision liquid technology stands to revolutionize the way we farm!

Precise and highly developed liquid injection systems incorporating enhanced and specially manufactured components to handle highly corrosive liquids integrated with modern GPS technology is the way of the future. It is here now at your local John Deere dealer.

Revolutionize



MOVE TOWARDS THE FUTURE WITH THE LATEST TECHNOLOGY IN PRECISION LIQUID INJECTION

www.liquidsystems.com.au

MOVE TOWARDS THE FUTURE WITH THE LATEST

ALLIANCE 176 SINGLE LIQUID INJECTION

The 176 is our entry level single liquid auto-rate pump and control module. It is designed for precision application of a single liquid. Connected to a **Stacker** Distribution system, the Alliance 176 provides a complete liquid injection system, delivering precision, accuracy and flexibility with straight forward installation and operation.

It can be purchased as a complete liquid conversion kit for the 1910 Commodity Air Cart (with liquid capable center tank option) that includes a tank fill station, product tank lid assembly, 200 litre flush tank and steel support beams for mounting to the cart.

Features:

- hydraulically driven 76 L/min (20 Ga/min) piston diaphragm pump
- precision rate control valve set incorporating TeeJet electronic ball valves and flowmeter



ALLIANCE 276 DUAL LIQUID INJECTION

The 276 provides independent rate control of 2 separate liquids. It has been designed to complement FMFO planters applying liquid at lower rate in-furrow and higher rate between furrows. The second pump can be switched off if not required for different planting regimes.

Features:

- dual hydraulically driven 76 L/min (20 Ga/min) piston diaphragm pumps
- dual precision rate control valve sets incorporating TeeJet electronic ball valves and flowmeter



ALLIANCE PR-1 PRECISION PLANTER RETROFIT MODULE

This compact unit has been designed as a retrofit for smaller model precision planters. While its reduced dimensions allow for easy mounting on the planter, it still offers full auto rate control functionality.

Features:

- hydraulically driven 76 L/min (20 Ga/min) piston diaphragm pump
- precision rate control valve set incorporating TeeJet electronic ball valves and flowmeter
- compact design



SPIKER EVI LOW VOLUME DOSING SYSTEM

The Spiker EVI dosing system has been designed for incorporating high viscosity fluids, such as trace elements, fungicides or soil wetters at very low rates into the main liquid delivery line.

Farmers can avoid costly spraying regimes by delivering these products into the furrow when planting. Spiker EVI removes the need for pre mixing of chemicals in the product tank which can be both wasteful and inflexible and create issues due to chemical incompatibilities.

Compared to mechanical proportional dosing devices, Spiker EVI allows for the application rate of the dosing chemical to be completely independent of the rate of the main carrier liquid. This provides the farmer with far greater flexibility and control.

Spiker integrates with Greenstar™ and can be used with mapping based variable rate control for true prescription planting.



TECHNOLOGY IN PRECISION LIQUID INJECTION

ALLIANCE 1126 HIGH VOLUME LIQUID INJECTION

The 1126 is a single liquid auto-rate pump and control module. It offers identical functionality to the 176 but with a more powerful LQS Enhanced piston diaphragm pump providing up to 126 L/min (33 Ga/min) of flow. This provides capacity for applying liquids at higher rates or with increased tank agitation.

Features:

- hydraulically driven 126 L/min (33 Ga/min) piston diaphragm pump
- precision rate control valve set incorporating TeeJet electronic ball valves and flowmeter



ALLIANCE 2126 DUAL HIGH VOLUME LIQUID INJECTION

The 2126 is Liquid Systems state of the art dual liquid auto-rate system. The 2126 gives the farmer the ability to apply two separate liquids with full independent rate control. Its higher capacity pumps provide the means to deliver higher application rates or provide additional tank agitation. Like the 276 the second pump can be switched off for single liquid application mode.

Features:

- dual hydraulically driven 126 L/min (33 Ga/min) piston diaphragm pumps
- dual precision rate control valve sets incorporating TeeJet electronic ball valves and flowmeter



SECTION CONTROL

Section control is available as an option with any of our systems. Our section control modules come with stainless steel mounting bracket, u bolts and line filter.

We incorporate 3 way electric ball valves in a constant flow configuration for instantaneous shutoff with seamless rate control.

A range of cabling harnesses are available for integration with Greenstar™ Rate Controller to allow complete flexibility when it comes to the installation location of the section control module.

Each section connects to a separate **Stacker** Manifold which are available in a variety of configurations for varying planting regimes.



STACKER DISTRIBUTION SYSTEM

The Stacker distribution system is the most thoroughly researched and carefully designed liquid fertilizer distribution system on the market today.

Liquid Systems (SA) has developed its own series of manifolds, line meters, terminal jets and check valves to provide optimal precision, ease of use and even distribution to all rows over a wide range of application rates and operating parameters.

Features:

- push in fittings for simple assembly and maintenance
- mounting brackets
- chemical resistant materials
- tough flexible kink resistant delivery tube



REVOLUTIONIZE YOUR FARMING WITH THE LATEST TECHNOLOGY IN PRECISION LIQUID INJECTION.

The Liquid Systems Alliance Series is a range of liquid injection pump and control modules designed specifically for John Deere air seeders and planters. These systems will be available exclusively from John Deere dealers.

The modules have been designed to integrate with GreenStar™ for accurate application rate control, data collection and up to the second monitoring of the liquid injection operation.

The correct establishment of the crop is of primary and paramount importance and liquids are proving to be the medium by which a multitude of soil and crop enhancing products can be delivered precisely and accurately.

Liquid Systems (SA) injection equipment has been specifically

designed to deliver liquid in continuous, unbroken streams evenly across the seeding tool row by row, second by second. Lag time (shut-off/start) is virtually non-existent due to the integration of LQS peripheral check valves in the systems. ***“Under apply product and you’re ineffective, over apply product and you’re wasting money, fracture your streams and you can forget about applying fungicides or inoculants via injection”.*** Why not do the job properly in the first place?

It’s only now becoming apparent what may be possible or achievable by the utilisation of modern, precise GPS interfaced equipment. We provide the equipment and means to turn these possibilities into reality!

DURABILITY

Our modules are built from quality components made of robust chemical resistant materials such as stainless steel, glass reinforced polypropylene, polyester and PVC that are capable of handling highly aggressive products whilst operating under extremely harsh climatic conditions. We have satisfied customers who have been using our products for 8 years running.

ACCURACY AND VERSATILITY

Using state of the art electronic ball valves and flowmeter, our modules provide top of the range accuracy and responsiveness over a broad range of application rates, row spacings, number of rows and ground speed. The modules are designed for integration with Greenstar™ Rate Controllers and can be used with full mapping based variable rate control. They can also be integrated with control systems from a number of other brands.

VALUE

Purchase of a liquid application solution from Liquid Systems (SA) is an exceptional investment. Our customers get excellent value through improved crop results by using equipment that provides precision control with years of safe and reliable operation.

Call your nearest John Deere dealer to get a quote.

SAFETY AND RELIABILITY

Liquid Systems uses high quality TeeJet, Banjo and custom made components to ensure rock-solid reliability. The system design incorporates many features that enhance overall reliability. Each unit is factory Wet-Tested to ensure customers are up and running from day one. Built-in fail safe mechanisms help protect the system and personnel from operator errors and externally induced faults.



10 YEARS OF DEVELOPMENT

Our systems are the result of 10 years of continuous development backed by 40 years of manufacturing involvement in the agricultural industry.

No other supplier of systems can match the commitment and dedication that we have made in the quest to build the World’s leading range of liquid injection equipment.

We have invested in the industry’s best process and testing facility and we support the Agricultural Industry by providing state of the art equipment to Government and Private Research Institutions so that information gleaned from trials will enhance seeding and crop protection regimes and reduce input costs for the farmer. This technology will become essential in our quest to provide food for our ever increasing world population.

No piecing together components, we provide complete drop in solutions that you can trust! So you can get on with farming not fixing!

**INJECT LIQUID FERTILIZER, TRACE ELEMENTS AND FUNGICIDES WITH ACCURACY.
PRODUCE BETTER CROPS, REDUCE OVERHEADS, SAVE MONEY AND TIME.**



**FOR MORE DETAILED INFORMATION VISIT OUR WEBSITE
OR CONTACT YOUR NEAREST JOHN DEERE DEALER NOW!**

www.liquidsystems.com.au