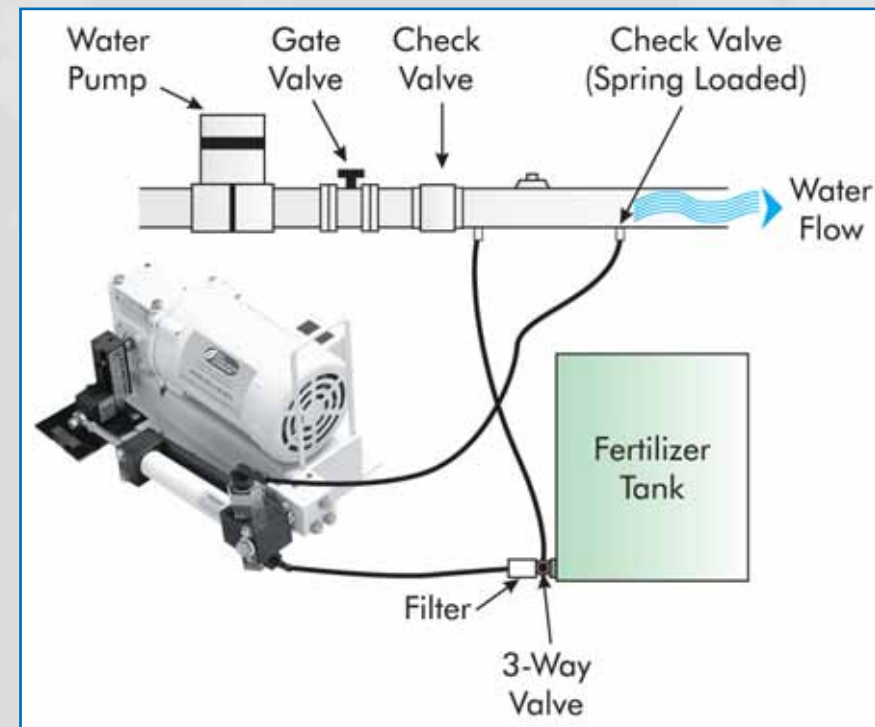


Installation Schematic



All CDS-John Blue Irrigation Pumps can be easily connected to your irrigation system and chemical tank to provide simple, reliable chemigation.

E-Z Meter Power Sources: 5-30, 10-100 and 10-200 GPH Pumps

115/208-230V Single Phase, 60 HZ

½ HP, 1725 RPM, 115/208-220V, FLA 8.8/4.4, 56C Frame, HZ 60 single phase, SFA 9.4/4.7, service factor, 1.15 ball bearings. (50 HZ motors available upon request).

208-230/440V Three Phase, 60 HZ

½ HP, 1725 RPM, 208-230/440V, FLA 2.1-2.0/1.0, 56C Frame, HZ 60 three phase, SFA 2.5-2.4/1.2, service factor, 1.25 ball bearings. (50 HZ motors available upon request).

Honda Gasoline Engine Driven (GED)

4 cycle, 7.2 CID with 4 HP at 3600 RPM, fuel capacity .66 US gallons.

12 Volt

½ HP, 1800 full load RPM, 12 Volts DC F.L. AMPS 40, 24 Volts DC 20 F.L. AMPS, Class F insulation, linear speed/torque, NEMA 56C Frame, ball bearings.

Manufacturer reserves the right to make changes to specifications

CDS-John Blue Series 2000 Simplex Pumps* Maximum Pressure 150 PSI

Power Source	5-30 GPH	10-100 GPH
110-220 1ph	10620	11630
220-440 3ph	20620	21630
Belt Drive	01620	01630
Honda Engine	02620	02630
12V DC Motor	30620	30630

CDS-John Blue Series 2000 Duplex Pumps* Maximum Pressure 150 PSI

Power Source	5-30	5-30	10-100
110-220 1ph	10622	10623	10633
220-440 3ph	20622	20623	20633
Belt Drive	01622	01623	01633
Honda Engine	02622	02623	02633
12V DC Motor	30622	30623	30633

* - 1 after part number, indicates pumps with Teflon cylinders ideal for acid applications. For Stainless Steel check valves, contact the factory.

CDS-John Blue Full Range Injection Units

Model Number	Phase	Model Type	Low Range	High Range	Max PSI	Motor Size
IN-11610	Single	Simplex	2.6-26.2	5.9-59	120	1 ½
		Duplex	5.2-52.4	11.7-117.4	120	1 ½
IN-11630	Three	Simplex	1.6-15.5	5.7-57	120	¾
		Duplex	3.1-31.0	11.4-114.0	120	¾
IN-23510	Single	Simplex	5.5-55	12-122	120	1 ½
		Duplex	11-108	24-242	120	1 ½
IN-23530	Three	Simplex	3-32	12-119	120	¾
		Duplex	6-64	24-235	120	¾
IN-47030	Three	Simplex	6-64.8	24-238	120	1 ½
		Duplex	12-128	48-470.2	120	1 ½

Call Toll Free at 800-253-2583 for free engineering and technical assistance.

Available From:



CDS-John Blue Company, Division of Advanced Systems Technology, Inc.,
P.O. Box 1607, Huntsville, AL 35807, Tel: 256-721-9090, FAX: 256-721-9091
Web: www.cds-johnblue.com, E-mail: info@cds-johnblue.com



Fertilizer and Chemical Irrigation Injection Units





The Widest Selection of Irrigation Pumps on the Market Today

Install a CDS-John Blue irrigation pump and you install a pump backed by more than 120 years of manufacturing expertise. CDS-John Blue Company offers the most advanced technology for accurately metering fertilizers and chemicals through irrigation systems - drip, pivot, lateral, or even turf and nursery applications. All CDS-John Blue Irrigation Pumps are designed for accuracy, built for durability and proven year after year in the field.

Regardless of your application needs an even broader range of piston pumps are now available in both simplex and duplex models. All wetted internal parts exposed to agricultural products are made from 316 stainless steel or Teflon®, chemically resistant plastics and the highest quality seals available today.

When your irrigation application demands maximum dependability, quality engineering and long-term reliability the CDS-John Blue Irrigation Pumps are the right pumps for you. Plus all CDS-John Blue products are backed by an unconditional guarantee:



“GUARANTEED TO DO THE JOB.”

CDS-John Blue Series 2000 E-Z Meter Pump



The CDS-John Blue Series 2000 E-Z Meter Pump is the best built, best performing chemical injection pump on the market today. It is the ideal choice for those growers who want a pump that they can turn on and forget about it. The CDS-John Blue E-Z Meter is available in a variety of gallon capacities and power sources. So why not use the pump that has been proven again and again in the field- CDS-John Blue Series 2000 E-Z Meter Injection Pump.

Benefits of the CDS-John Blue E-Z Meter Series 2000 Pump

- Built with the highest quality materials to withstand today's harsh chemicals, fertilizers and acid products.
- The convenience of injecting the correct volume of fertilizer and/or chemicals to meet the changing needs of the growing season. A simple change of calibration sets the precise flow to be injected.
- All CDS-John Blue Company E-Z Meter Pumps have a dual output shaft gearbox. Pumping cylinders can be mounted in parallel for large volume applications or for injection of two different products simultaneously.
- The series 2000 cylinder assembly with the built-in check valves provides better performance by virtually eliminating air locking.
- The pump comes equipped with large capacity double-ball check valves, available in either 316 stainless steel or durable chemical resistant plastics.
- The double-ball design check valves provide double seal protection against possible impurities in the liquid solution.
- The Series 2000 cylinder assembly comes standard with a 316 stainless steel cylinder assembly and chemically resistant plastic check valves.
- 316 stainless steel check valves are offered for the ultimate in wear and tear.
- For hard to handle acids applications, Teflon cylinders with plastic check valves are the ideal choice.
- The special CDS-John Blue piston cup shape provides a positive seal without the need for future adjustments. The seals utilize state of the art technology proprietary to CDS-John Blue Company. The new seals offer a more forgiving reliability during or in-between supply tank refills and the consequential damage that may be associated with dry running E-Z Meter Pumps. The new seals are completely interchangeable across the entire E-Z Meter line. Piston cups can be easily changed in the field with a screwdriver and pliers.
- Pumps are available with a variety of power sources: single phase motors, three phase motors, Honda engine and 12 volt DC motor.



CDS-John Blue E-Z Meter Available Models and Power Sources

	5-30 GPH	10-100 GPH	10-200 GPH
Power Sources			
Single Phase	x	x	x
Three Phase	x	x	x
12V DC Motor	x	x	x
Honda Engine	x	x	x
Belt Drive	x	x	x

Duplex configurations are available.

CDS-John Blue Full Range Injection Units

Designed for high rate applications, yet has low range capabilities, the CDS-John Blue Chemical and Fertilizer Injection Units are your perfect solution. It's tough enough to handle all types of agricultural products, fertilizer or chemical in the harshest of climates. So when your application calls for extremely high gallon rates, the proven CDS-John Blue Chemical and Fertilizer Injection Unit should be your final choice.

Features of the CDS-John Blue Full Range Injection Units

- Chemical and Fertilizer Injection Units are ideal for today's chemicals and fertilizers.
- All working parts are fully enclosed for maintenance free service.
- All wetted parts are constructed with corrosion-resistant stainless steel to ensure optimum performance over many years of service.
- The piston rods are hard chrome plated to resist abrasion and corrosion.
- A variety of models are offered to meet your irrigation injection needs.
- Rates are easily set and adjusted with the dial pointer located on the side of the pump.
- Chemical injection units with the CDS-John Blue IN-1716-SA Pump has a rated flow ranging from 2.4 to 12 GPH, as coupled with a motor and gearbox from the factory.
- Models available with wet end in 316 stainless steel.
- Chemical Injection Pumps are also available without a motor and gearbox, which enables you to select your own drive system. They can be operated up to 85 GPH at 1000 RPM.
- The flow rate for the Fertilizer Injection Units, with the CDS-John Blue LM-2455 or LM-1255, ranges from 1.6 to 470 GPH. These units have either a 3/4 or 1 1/2 HP motor and gearbox.

Full Range Injection Units

GPH Range	Simplex	Duplex
2.4-12	X	
5.5 - 122	X	
11 - 242		X
3 - 119	X	
6 - 235		X
2.6 - 26.2	X	
5.2 - 117.4		X
1.6 - 57	X	
3.1 - 114		X