An American Icon Since 1886

CDS-JOHN BLUE COMPANY®



Product Catalog

Volume XII

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CDS-John Blue Company – Celebrating Over 125 Years

An American Icon Since 1886

Today 125 years later… CDS-John Blue Company continues the tradition of being a leader and pioneer in innovative design for the new area of precision agriculture. You will see this legacy in our commitment to outstanding design, premium materials and uncompromising craftsmanship plus our unconditional warranty: Guaranteed To Do The Job. We are proud of our **Guaranteed To Do The Job** warranty, which has been earned over time.

The following pages present our products including our recently introduced Variable Rate Hydraulic Kits (VRH) and VisaGage II Flow Monitors to complement our Next Generation Piston Pumps and Flow Dividers. We continue to strive to make The Best Even Better. CDS-John Blue Company is moving vigorously forward by building on the heritage that has served our customers so well in the past and will continue into the future.

The Beginning . . . During the 1800's cotton was the main cash crop for southeastern Richmond County in North Carolina. All of the work was done by hand with the only power source coming from mules. During this time John Blue was farming and making items in his blacksmith shop. Having only his personal experience and knowledge he began making simple tools to make the work easier. His first invention was the cotton stalk cutter and his interest was in designing implements that would make cotton farming easier.

In 1886, John and his father, Angus, established a business to repair cotton gin parts and other farm equipment. The need for more efficient methods of distributing fertilizer and cottonseed resulted in the invention of the Rex Guano fertilizer distributor and the John Blue cotton planter, both revolutionized farming. The business grew with the manufacturing of implements and included a foundry for the casting of metal parts.

During the early 1900's John obtained patents for all of his inventions. His goal was to make his implements low cost so they were available to all farmers. He wanted farming dependent on machinery rather than man-power.

A fire destroyed the John Blue Foundry in 1945. John Jr. moved the business to Huntsville, Alabama. Huntsville being in the heart of southern agriculture was chosen because of its proximity to the source of iron and coal and a foundry was available. In the early years the John Blue Company manufactured liquid applicator pumps, self-propelled sprayers, small tractors, cotton module makers, cotton wagons, dry, liquid and anhydrous ammonia applicators and nurse units.

The John Blue Company was sold in 1967 to STV from New York. With the changes in the agricultural economy in the 1980's, the company chose to devote all of its resources to developing and building pumps, flow dividers, manifolds and accessories for applying liquid fertilizers and chemicals.

In 1980 CDS Ag Industries, Inc. began business in Chino, CA as a manufacturer of squeeze tube and irrigation pumps. Through the 1980's and 90's CDS Ag Industries grew by acquiring other product lines to broaden its customer base. In 2000 John Blue Company purchased CDS Ag Industries forming CDS-John Blue Company now a division of Advanced Systems Technology.



The Complete Fertilizer Package

The most reliable liquid fertilizer system on the market today is simple. It starts with the **CDS-John Blue Piston Pump** coupled with our **flow divider** for equal distribution. Simply add the **VisaGage II** to monitor your flow and the newly released serviceable **in-line check valves** to stop unwanted dripping at your application point. Set your fertilizer rates and forget it - let our piston pump package work for you! With over 125 years of experience the CDS-John Blue Complete Fertilizer Package is proven to be cost-effective and reliable while remaining accurate and dependable day in and day out from one year to the next.







Why the CDS-John Blue Complete System:

Accurate: Application rates DO NOT change due to temperature fluctuations.

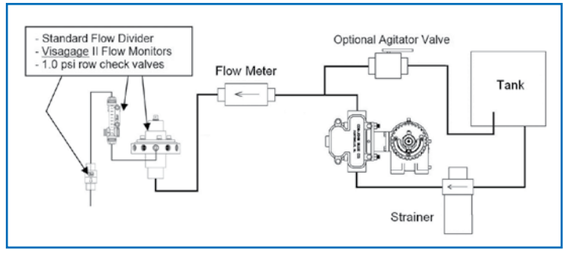
Precise: A CDS-John Blue Piston Pump can pull product from your tanks for even application rates.

Flexible: Available with either a Variable Rate Hydraulic or Ground Drive Kit.

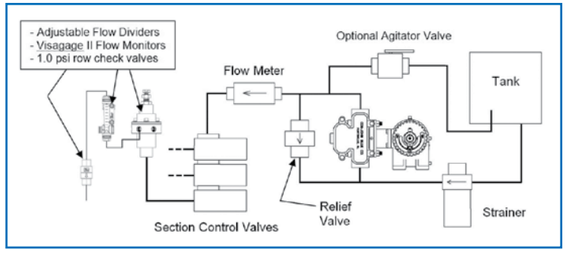
Reliable: Built to last, engineered for performance.

NEW! **Dual Adjustable Rate Piston Pump NGP-8055-AR:** Apply 2 products with 1 pump. Five to 1 max ratio between the pumping heads. Ideal for starter and NPK applications, for example 5 GPA starter fertilizer and 5-25 GPA NPK.

NEW! **Flanges:** Eliminate leaks with flange fittings and make it easier to plumb your system.



Fertilizer System Schematic



Fertilizer System Schematic
with section control

How to Select Your Complete CDS-John Blue Fertilizer Package:

1. How many rows do you have?
2. What is your swath width (row spacing distance multiplied by number of rows)?
3. What application rate do you want to achieve?
4. Now simply select the CDS-John Blue Piston Pump that best fits your needs (see charts under each pump series description pages 4-7).

DRV Kits: (see pages 8-9 for complete details)

- DRV-3300 Complete Ground Drive System, including pump mount and drive. It automatcially adjusts for your terrain.
- DRV-3200 Universal Mount that uses the existing shaft from your planter.
- DRV-3100 Gage Wheel only.
- DRV-3000 is ideal for fixed height. Includes pump mount and drive.

VRH Kits: (see pages 10-11 for complete details)

CDS-John Blue bar mount and direct drive kits to fit most common electronic packages:

- JD series fits John Deere® CANbus Planters using GreenStar™ GS2 and GS3.
- PWM (pulse width modulation) series is for Raven®, Ag Leader®, Dickey-John® plus others. Used for variable rate and sectional shut-off.
- MAN (manual) series uses your tractor's hydraulics for a simple hydraulic driven system.



Now select your CDS-John Blue Flow Dividers:

1. How many outlets do you need?
   For 6 outlets or less select the ***New*** FD-0610.
   For 12 outlets or less select the FD-1210.
   For 20 outlets or less select the FD-2010.
2. For multiple flow dividers, ideal for sectional shut-off, it is recommended that you purchase the Flow Divider Adjustable Spring Kit. For more information see pages 12-13.
3. New and improved delivery line check valves are available for any applications, see chart on Flow Divider page 13.

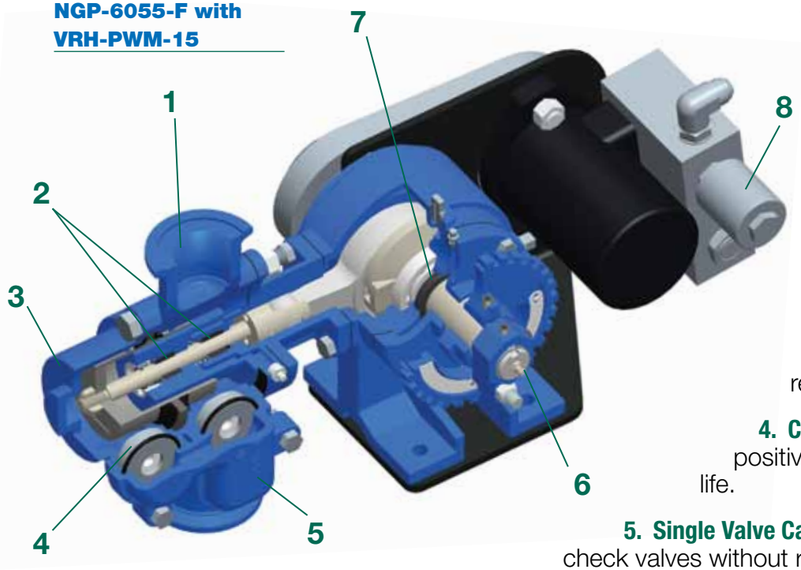
Knowing your flow is easy with CDS-John Blue VisaGage II Flow Monitors: (pages 14-15)



- Determine the number of outlets you need.
- Bank together single columns or sets of four or any combination you choose.
- Clasp them together with the stainless steel clips and Viton o-rings and you are ready to go.
- New and improved delivery line check valves are available for any application, see page 13 for more information.

It All Starts with the Best Pump

NGP-6055-F with VRH-PWM-15



1. ***NEW*** **Inlet and Outlet Flanges** make it easier to plumb your system and eliminate leaks with flange fittings. (Add –F after model number).

2. **Double piston rod seals** work in unison to offer multiple stage protection between the wet end and crankcase.

3. **Outboard cylinder plunger packing** can be inspected or replaced in the field without removing the hoses.

4. **Check Valves** are designed for positive seal, easy priming and long life.

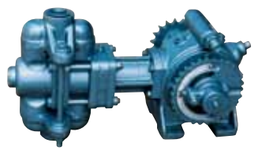
5. **Single Valve Cap** makes easy access to check valves without removing the hoses. Simple to service in the field.

6. **Common or Independent Manifolds** are available on the double pumps. Independent manifolds allow for dual flow divider usage or half width application.

7. **Main Shaft Seals** incorporate a dual wiper that is enclosed in a grease cavity to flush out contamination. This helps to extend the life of the pump.

8. ***NEW*** **Optional Hydraulic Drives** for numerous electronic packages.

CDS-John Blue Piston Pumps

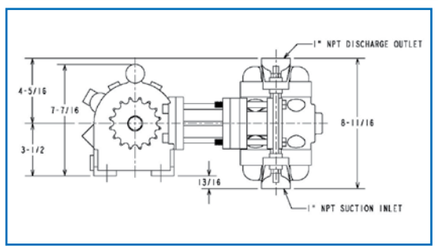


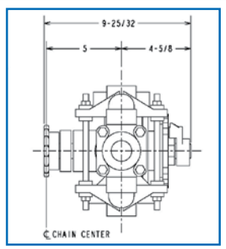
LM-1250 Series

Single Piston - Double Acting	Rated Speed - 550 RPM
Stroke - Variable	Inlet - 1" FPT
Rated Flow - 12.5 GPM	Outlet - 1" FPT
Rated Pressure - 120 PSI	Clutch - No Clutch

MODELS AVAILABLE:
LM-1250
Rope Control Clutch
LM-1255
Without Clutch

Rows	Swath in Inches		LM-1250 Application Range in GPA at 5 MPH			
			30 Inch Spacing		36 Inch Spacing	
	30	36	Min	Max	Min	Max
4	120	144	4.5	128.8	3.8	103.1
8	240	288	2.3	61.9	1.9	51.6
12	360	432	1.5	41.3	1.3	34.4
16	480	576	1.1	30.9	0.9	25.8
24	720	864	0.8	20.6	0.6	17.2
36	1080	1296	0.5	13.8	0.4	11.5





CDS-JOHN BLUE COMPANY®



NGP-6050 Series*

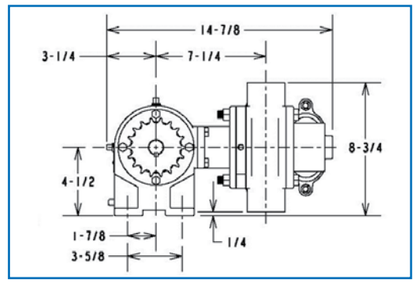
Single Piston - Double Acting	Rated Speed - 450 RPM
Stroke - Variable	Inlet - 1-1/2" FPT
Rated Flow - 21.0 GPM	Outlet - 1-1/2" FPT
Rated Pressure - 120 PSI	Clutch - Various Options

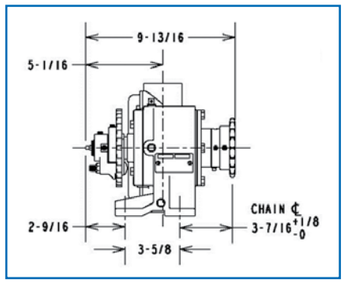
***Equivalent LM-2450 series**

MODELS AVAILABLE:
NGP-6050
Rope Control Clutch
NGP-6055
Without Clutch
NGP-6058
Electric Control Clutch
NGP-6059
Hydraulic Control Clutch

Rows	Swath in Inches		NGP-6055 Application Range in GPA at 5 MPH			
			30 Inch Spacing		36 Inch Spacing	
	30	36	Min	Max	Min	Max
4	120	144	9.2	207.9	7.7	173.3
8	240	288	4.6	104.0	3.9	86.6
12	360	432	3.1	69.3	2.6	57.8
16	480	576	2.3	52.0	1.9	43.3
24	720	864	1.5	34.7	1.3	28.9
36	1080	1296	1.0	23.1	0.9	19.3

Additional model options, including ***NEW*** flanges, on page 7.







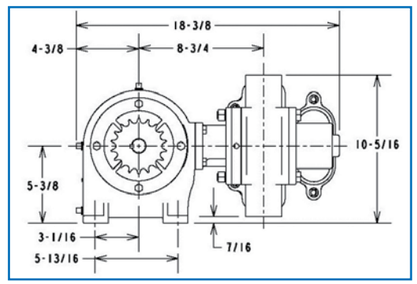
NGP-7050 Series*

Single Piston - Double Acting	Rated Speed - 450 RPM
Stroke - Variable	Inlet - 1-1/2" FPT
Rated Flow - 34.2 GPM	Outlet - 1-1/2" FPT
Rated Pressure - 120 PSI	Clutch - Various Options

***Equivalent LM-4450 series**

MODELS AVAILABLE:
NGP-7050
Rope Control Clutch
NGP-7055
Without Clutch
NGP-7058
Electric Control Clutch
NGP-7059
Hydraulic Control Clutch

Rows	Swath in Inches		NGP-7050 Application Range in GPA at 5 MPH			
			30 Inch Spacing		36 Inch Spacing	
	30	36	Min	Max	Min	Max
4	120	144	15.0	338.6	12.5	282.2
8	240	288	7.5	169.3	6.3	141.1
12	360	432	5.0	112.9	4.2	94.1
16	480	576	3.8	84.6	3.1	70.5
24	720	864	2.5	56.4	2.1	47.0
36	1080	1296	1.7	37.6	1.4	31.4



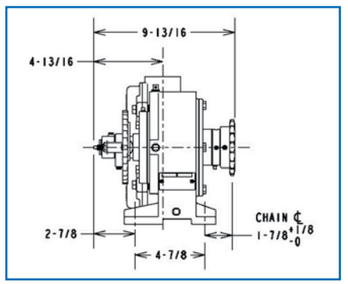




Photo of DR Pump -
Pump with independent dual inlet and outlet manifolds.

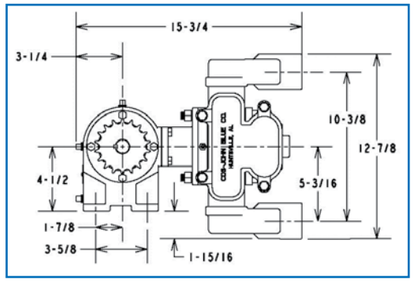
NGP-8050 Series

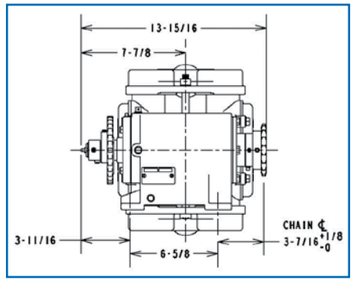
Double Piston - Double Acting	Rated Speed - 450 RPM
Stroke - Variable	Inlet - 1-1/2" FPT
Rated Flow - 42 GPM	Outlet - 1-1/2" FPT
Rated Pressure - 120 PSI	Clutch - Various Options

MODELS AVAILABLE:
NGP-8050
Rope Control Clutch
NGP-8055
Without Clutch
NGP-8058
Electric Control Clutch
NGP-8059
Hydraulic Control Clutch

Rows	Swath in Inches		NGP-8055 Application Range in GPA at 5 MPH			
			30 Inch Spacing		36 Inch Spacing	
	30	36	Min	Max	Min	Max
4	120	144	18.5	415.8	15.4	346.5
8	240	288	9.2	207.9	7.7	173.3
12	360	432	6.2	138.6	5.1	115.5
16	480	576	4.6	104.0	3.9	86.6
24	720	864	3.1	69.3	2.6	57.8
36	1080	1296	2.1	46.2	1.7	38.5

Additional model options, including ***NEW*** flanges, on page 7.







NEW NGP-8055-AR Dual Rate Piston Pump

Apply two products at two rates with one pump

Double Piston - Double Acting	Rated Speed - 450 RPM
Stroke - Variable	Inlet - 1-1/2" FPT
Rated Flow - 42 GPM total	Outlet - 1-1/2" FPT
21 GPM per side	Clutch - Various Options
Rated Pressure - 120 PSI	

MODELS AVAILABLE:
NGP-8055-AR
Without Clutch

Rows	Swath in Inches		NGP-8055-AR Application Range in GPA at 5 MPH			
			30 Inch Spacing		36 Inch Spacing	
	30	36	Min	Max	Min	Max
4	120	144	9.2	207.9	7.7	173.3
8	240	288	4.6	104.0	3.9	86.6
12	360	432	3.1	69.3	2.6	57.8
16	480	576	2.3	52.0	1.9	43.3
24	720	864	1.5	34.7	1.3	28.9
36	1080	1296	1.0	23.1	0.9	19.3

The chart above is for one side of the pump. Calculate first one side of the pump, and then calculate the second side.



NGP-9050 Series*

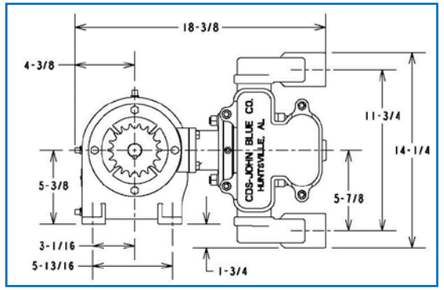
Double Piston - Double Acting	Rated Speed - 450 RPM
Stroke - Variable	Inlet - 1-1/2" FPT
Rated Flow - 68.4 GPM	Outlet - 1-1/2" FPT
Rated Pressure - 120 PSI	Clutch - Various Options

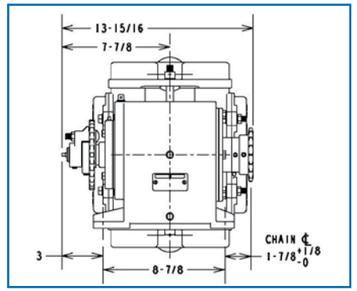
***Equivalent LM-4950 series**

MODELS AVAILABLE:
NGP-9050
Rope Control Clutch
NGP-9055
Without Clutch
NGP-9058
Electric Control Clutch
NGP-9059
Hydraulic Control Clutch

Piston Pump Repair Kits on Page 34.

Rows	Swath in Inches		NGP-9055 Application Range in GPA at 5 MPH			
			30 Inch Spacing		36 Inch Spacing	
	30	36	Min	Max	Min	Max
4	120	144	30.1	677.2	25.1	564.3
8	240	288	15.0	338.6	12.5	282.2
12	360	432	10.0	225.7	8.4	188.1
16	480	576	7.5	169.3	6.3	141.1
24	720	864	5.0	112.9	4.2	94.1
36	1080	1296	3.3	75.2	2.8	62.7







NEW - Flange and Flange Adapters

Part Number	Description
-F	Add -F after part numbers for flanges (photo left). Cast iron pumps have 220 flanges with internal 1-1/2" NPTF ports. SS pumps have 220 flanges only.
116000-01S	1-1/2" NPT to 200 Series Flange Adapter, Stainless Steel
116083-01S	1-1/2" NPT to 220 Series Flange Adapter, Stainless Steel

Additional Model Options [-suffix]:
-DR** denotes independent dual inlet & outlet
-F denotes flanges
-K denotes pump less sprocket
-R denotes RC40 chain 18 tooth sprocket
-S denotes 316SS wet-end castings
-U denotes Viton wet-end o-rings and rod packing

** -DR only available on double piston NGP-8050 & NGP-9050

Additional Kit Modules (modifies existing pumps):
115670 Manual Clutch Add On - NGP Universal
115671 Hydraulic Clutch Add On - NGP Universal
115672 Electric Clutch Add On - NGP Universal
115673 Stainless Wet-End Conversion – NGP-6050 Series
115674 Stainless Wet-End Conversion – NGP-7050 Series
115675 Stainless Wet-End Conversion – NGP-8050 Series***
115676 Stainless Wet-End Conversion – NGP-9050 Series***
*** -DR pumps may use 2 single piston stainless conversion kits

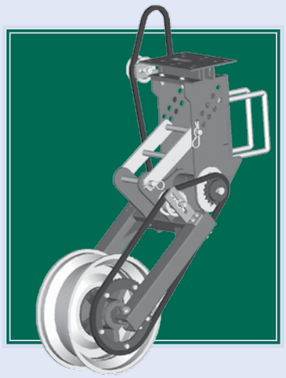
All calculations based on ground speed of 5 MPH.
Rated Flow Based on 12 lbs. per gallon fertilizer. 316 SS available on wet end casting.
Note: Standard Piston Pumps are manufactured with Viton Piston Packings and Buna o-rings and rod packings.

Make Your Fertilizer and Chemical Applications Simple: CDS-John Blue Ground Drives-DRV

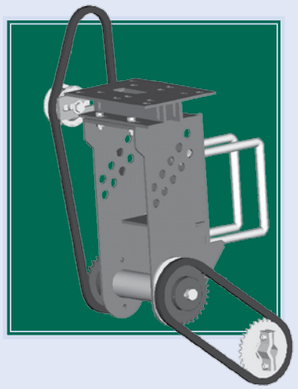
The CDS-John Blue Family of **Universal Drive Assemblies-DRV's** make the installation of ground driven pumps on applicators and planters simple. Piston pumps have been proven they are the most reliable and accurate method of applying liquid fertilizer without exception: **now you can bolt it up quickly and easily!**

The *NEW* CDS-John Blue Ground Drives (DRV's) make the installation of ***the best*** easier with standard sprockets and mountings that fit most applicators and planters to provide the application rates you require.

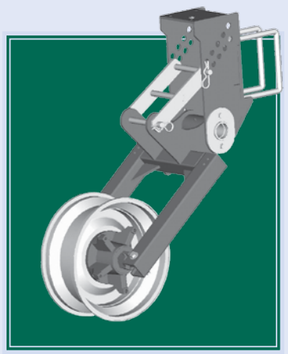
The piston-metering pump is the standard for accuracy due to the positive displacement ground driven design, which maintains a constant rate per acre as the ground speed varies. This is accomplished mechanically without any expensive and difficult to service components.



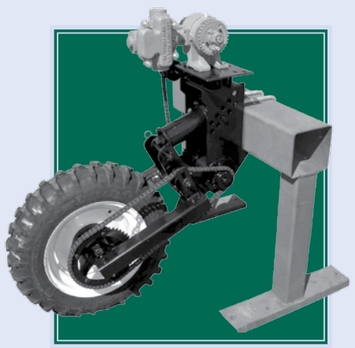
DRV-3000 Ground Drive with pump mount - fixed height adjustment mechanism (10 positions), less tire and u-bolts.



DRV-3200 Universal Mount - Pump mount and jackshaft for planter hex shaft drive applications, less u-bolts.



DRV-3100 Gauge Wheel only - fixed height adjustment mechanism (10 positions), less tire and u-bolts.



DRV-3300 Ground Drive with pump mount - spring loaded adjustment mechanism, less tire and u-bolts.

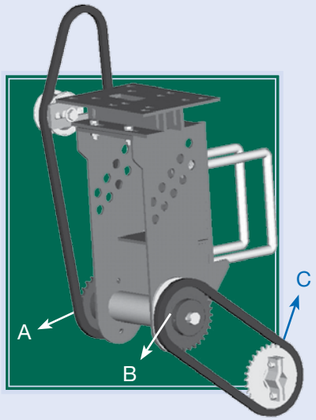
Pump Drives	
Part Number	**Description**
DRV-3000	Ground Drive with pump mount - fixed height adjustment mechanism (10 positions).
DRV-3050	Squeeze Pump Ground Drive - fixed height adjustment mechanism (10 positions).
DRV-3100	Gauge Wheel only - fixed height adjustment mechanism (10 positions).
DRV-3200	Universal Mount-Pump mount and jackshaft for planter hex shaft drive applications.
NEW! DRV-3250	Squeeze Pump Universal Mount includes split sprocket to drive off the planter shaft (no wheel).
DRV-3300	Ground Drive with pump mount - spring loaded adjustment mechanism.
DRV-3350	Squeeze Pump Ground Drive - spring loaded adjustment mechanism.
DRV-SQZ	Drive Adapter Kit for Squeeze Pump.

Add -S after any part number for stainless steel chain option.



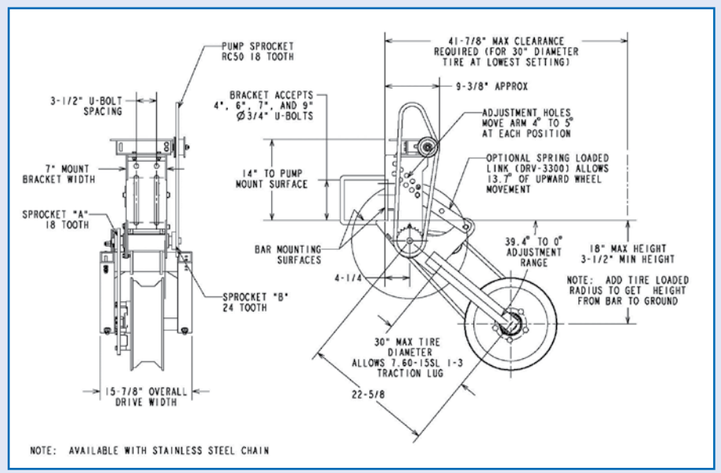
DRV

- High and low application rates.
- Push or pull.
- Fits all current CDS-John Blue Pumps.
- Fits 7"x7", 6"x6", 6"x4" and 4"x4" bars.
- Universal adjustable idlers: push or pull.
- Interchangeable jackshaft sprockets: RC-50-24 and 18 Tooth for low and high ranges.
- Ground wheel sprocket: RC-50 50 tooth.
- Pump mounting bolts, nuts and washers included.
- Adjustable to fit your bar height: bottom of bar to ground using 13.5" loaded radius tire - Minimum 17", Maximum 31".
- Wide pivot angle: bottom of bar to axle centerline – Minimum 3.5", Maximum 17.5".



Universal Planter Kit

- Standard jackshaft with sprockets.
- Fits all current CDS-John Blue Pumps.
- Fits 7"x7", 6"x6", 6"x4" and 4"x4" bars.
- U-bolts and washers standard.
- Standard sprockets – see drawing on left:
  - Pump Sprocket = NGP standard RC50-18 Tooth
  - Sprocket A = RC50-24 Tooth
  - Sprocket B = RC40-32 Tooth
  - Sprocket C = RC40-32 Tooth Split



To order U-bolts for DRV Units

(2 u-bolts required per drive):

7" x 7" Bar part number: 115907-01A
4" x 4" Bar part number: 115907-01B
4" x 6" Bar part number: 115907-01C
6" x 6" Bar part number: 115907-01D

Sprockets available on page 36.

Visit our website: www.**cds-johnblue**.com for easy rate calculations.

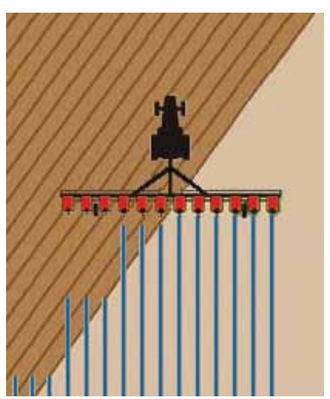


Apply your liquid fertilizer with the best pump for the job while doing it easily with your hydraulic system. You don't need to buy new equipment to benefit from **Variable Rate Technology**. A great feature of the CDS-John Blue Piston Pump, with the Variable Rate Hydraulic Drive Kit (VRH), is that you can use it on your current equipment - planters, drills, strip till and liquid applicators. Regardless if your pump is 40 years old or new, the VRH Kits will mount to your pump (LF, L, LM and NGP series piston pumps). You can have tomorrow's technology today.

We have bar mount kits and direct drive kits to fit most common configurations. Our JD series fits **John Deere®** and the PWM (pulse width modulation) series is for **Raven®**, **Ag Leader®**, **Dickey-john®** plus others and can be used for variable rate and sectional shut-off as desired. The MAN (manual) series lets you use your tractor's hydraulics for a simple hydraulic driven system.

Features of the CDS-John Blue Variable Rate Hydraulic Drive Kits

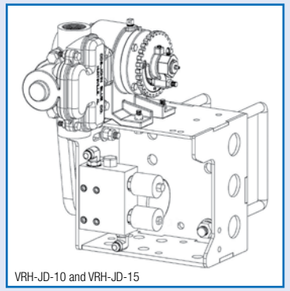
- Base Kit to add variable rate capacity to a CDS-John Blue Piston Pump for your planter or applicator. Other required off-the-shelf components to complete the kit are detailed in the instructions.
- Existing pumps can be easily converted to **variable rate and sectional shut-off**.
- A piston pump allows for quick and stable adjustment to application rates within a fraction of a second using this technology.
- With a piston pump your application rates will not change with the temperature or lack of head pressure.
- Sturdy mounting bracket attaches to the side or top of the machine's bar.
- Two types of flow control valves (servo or PWM) are available based on the kit you select.
- Hydraulic 2-way bypass valve turns pump and liquid flow on and off (only on John Deere kits).
- Hydraulic motor requires 10 gpm to run the piston pump at maximum rpm, but the system can be used at lower gpm as the specific application allows.



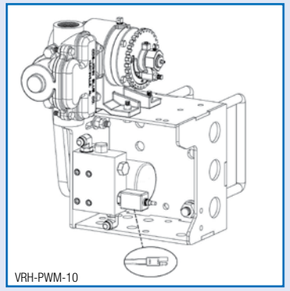
- The manual speed drive system allows you to mount your pump anywhere on the machine and set the pump at a constant speed.
- The manual speed drive can also be used with other brands of hydraulic flow control valves in order to interface with controllers that are not listed below.
- "Bracket only kits" allow the use of the **20/20 Precision Planting® motor, Dickey-john** motor and others.

Sectional shut-off and variable rate are easy with the CDS-John Blue System.

Bar Mount Kits



VRH-JD-10 and VRH-JD-15



VRH-PWM-10

VRH-JD-10 Variable Rate Hydraulic Drive Kit for John Deere CANbus Planters Using GreenStar™ GS2 and GS3. Kit includes: bar mounting bracket, chain, sprockets, hydraulic motor, PWM flow control manifold, custom adaptor harness and setup instructions with parts listing for obtaining off-the-shelf components to complete installation. Other applications may work, but CANbus wiring must be present.

VRH-JD-15 Multi-Section Variable Rate Hydraulic Drive Kit for John Deere CANbus Planters using GreenStar™ GS2 and GS3. Same as above except for harness to control up to 7 section valves. Other applications may work, but CANbus wiring must be present.

VRH-PWM-10 Variable Rate Hydraulic Drive Kit for Raven, Ag Leader, Trimble and other systems that can control a PWM valve. Motor has manifold with PWM valve and **Raven**-type plug. Kit includes: bar mounting bracket, chain, sprockets, hydraulic motor, PWM flow control manifold and setup instructions.

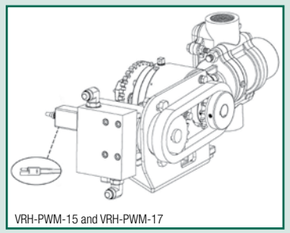
116133-91 Bracket-Only Drive Kit for use with 20/20 Precision Planting, DICKEY-john and Micro-Trak Drive Motors. Kit includes: bar mounting bracket (no motor), chain, sprockets and setup instructions.

U-bolts for your bar size (two each required per drive):
7"x 7" Bar = 115907-01A
4"x 4" Bar = 115907-01B
4"x 6" Bar = 115907-01C
6"x 6" Bar = 115907-01D
9"x 9" Bar = 115907-01E &
116035-01 Bracket

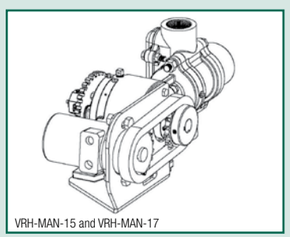
VRH-MAN-10 Manual Rate/Speed Control Drive Kit for Remote Mounting of Drive. Kit includes: bar mounting bracket, chain, sprockets, ½" FPT port motor, ½" FPT manually adjusted in-line flow control valve, optical tachometer (to set pump speed) and setup instructions.

116045-91 Universal Drive Kit for use with any Hydraulic Flow Control Valve. Motor has ½" female pipe ports for connection to your valve. Kit includes: bar mounting bracket, ½" FPT port motor (no flow control valve), chain, sprockets and setup instructions.

Direct Drive Kits



VRH-PWM-15 and VRH-PWM-17



VRH-MAN-15 and VRH-MAN-17

VRH-PWM-15 Variable Rate Hydraulic Drive Kit for Raven, Ag Leader, Trimble and other systems that can control a PWM valve. Motor has manifold with PWM valve and **Raven**-type plug. Kit includes: mounting bracket for **NGP-6055** and **NGP-8055** pumps, chain, sprockets, hydraulic motor, PWM flow control manifold and setup instructions.

VRH-PWM-17 Same as above except with bracket to fit **NGP-7055** and **NGP-9055**.

116131-91 Bracket-Only Drive Kit for use with 20/20 Precision Planting, DICKEY-john and Micro-Trak Drive Motors. Kit includes: mounting bracket for **NGP-6055** and **NGP-8055** pumps (no motor), chain, sprockets and setup instructions.

116132-91 Same as above except with bracket to fit **NGP-7055** and **NGP-9055**.

VRH-MAN-15 Manual Rate/Speed Control Drive Kit for Remote Mounting of Drive. Kit includes: mounting bracket for **NGP-6055** and **NGP-8055** pumps, chain, sprockets, ½" FPT port motor, manually adjusted in-line flow control valve, optical tachometer (to set pump speed) and setup instructions.

VRH-MAN-17 Same as above except with bracket to fit **NGP-7055** and **NGP-9055**.

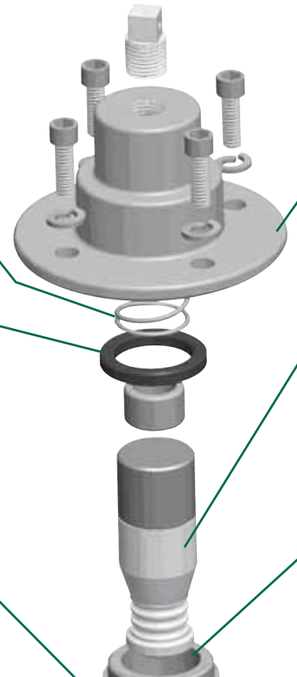
116123-91 Universal Drive Kit for use with any Hydraulic Flow Control Valve. Motor has ½" female pipe ports for connection to your valve. Kit includes: mounting bracket for **NGP-6055** and **NGP-8055** pumps, ½" FPT port motor (no flow control valve), chain, sprockets and setup instructions.

116124-91 Same as above except with bracket to fit **NGP-7055** and **NGP-9055**.

Note: The 6055/8055 bracket will not fit NGP-8055-AR. You must purchase a bar mount kit.

Call CDS-John Blue Company for technical support.
Visit our web site: www.cds-johnblue.com for VRH schematics and instruction manuals.

Newly Revised Flow Divider



302 SS balanced spring offers superior performance and corrosion resistance.

Exclusive Viton® lip seal is more stable and has a longer life than conventional diaphragms.

316 SS sleeve can be easily removed for cleaning in the field. Alignment pin ensures that the sleeve will be replaced in exactly the same position every time.

Viton® o-rings are used for positive sealing for even hard to handle products.

New - Numbered ports for ease of tracing lines.

New - Company name and phone number engraved in part for better in-field serviceability (not pictured)

Field repairable without removing distribution lines.

Upper portion of needle is 316 SS, which means longer seal life. The special glass-filled Teflon® middle needle offers smooth operation with minimum friction. ***New -*** Spherical designed needle tip has better impact resistance.

New - Spherical tip allows needle to open easier increasing accuracy at lower application rates.

New - Shorter sleeve increases volume in chamber, reducing operating pressures.

New - Tapered inlets reduce turbulence resulting in smoother flow and improving accuracy.

New - Added wrench flats for ease of installation.

US Pat No 6311716

Flow Divider and Flow Divider Mount					
Part Number	**Description**	**Outlets**	**Inlet**	**Outlet**	**Maximum Flow Outlet**
FD-0610	Stainless Steel Flow Divider	6	3/4” FPT	1/4” FPT	2.25 GPM
FD-1210	Stainless Steel Flow Divider	12	3/4” FPT	1/4” FPT	2.25 GPM
FD-2010	Stainless Steel Flow Divider	20	1” FPT	1/4” FPT	2.25 GPM
113989	Manifold Mount				



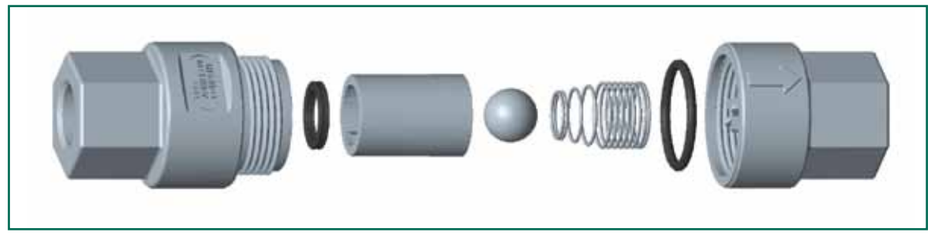
NEW Flow Divider Adjustable Spring Kit

Features:

- Adjustable spring kit will enable you to balance multiple flow dividers.
- Kit may be purchased separately or pre-installed on any size flow divider.
- When using multiple flow dividers the same size flow dividers must be used.
- With multiple flow dividers the number of plugged outlets should be identical and the plugs equally spaced. The maximum recommended differential between flow dividers is two plugged ports.

Flow Divider Adjustable Spring Kits	
Part Number	**Description**
FD-0610-ADJ	6 Outlet Stainless Steel Flow Divider with Adjustable Spring Kit
FD-1210-ADJ	12 Outlet Stainless Steel Flow Divider with Adjustable Spring Kit
FD-2010-ADJ	20 Outlet Stainless Steel Flow Divider with Adjustable Spring Kit
116063*	FD-0610 Retrofit Kit
116064*	FD-1210 Retrofit Kit
116065*	FD-2010 Retrofit Kit

***Kit will include the adjustment bolt, nut, spring seat, cap with straight threads (for 12 and 20 port kits) and vented plug.**



NEW Delivery Line Check Valve

- New and Improved
- Easy to Clean
- Repairable
- Easier to service in the field
- 1 psi
- Precision molded in glass-reinforced polypropylene
- 316 stainless steel ball and spring
- All Viton seals

Poly Applicator Check Valves	
Part Number	**Description**
CV-1101	Poly Check Valve, 1/4” NPT Female Inlet and Outlet
CV-1101-B14	Poly Check Valve, 1/4” Hose Barbs Inlet and Outlet, replaces 115284-01
CV-1101-B38	Poly Check Valve, 3/8” Hose Barbs Inlet and Outlet, replaces 115285-01
CV-1101-B12	Poly Check Valve, 1/2” Hose Barbs Inlet and Outlet, replaces 115286-01

***3 psi spring and 11/16” straight inlet/outlet threads are available.**

Know The Flow - Apply With Accuracy



Monitoring flow rates of your liquid fertilizers and herbicides just got easier with the cost-effective, simple to install, VisaGage II. This CDS-John Blue Flow Monitor enables growers to easily monitor flow rates of liquid fertilizers and herbicides, which helps to improve efficiency and profitability.

The CDS-John Blue VisaGage II is cost-effective and simple to install. CDS-John Blue Company is offering flow monitors for spraying or fertilizer applications in single columns or in sets of four flow monitor assemblies. Plus most CDS-John Blue Flow Monitor parts are interchangeable with other brands already on the market today.

CDS-John Blue VisaGage II is manufactured with chemical resistant polypropylene adapters and clear PVC body with an additive for UV protection. Viton O-rings are also standard. There are no electronic parts that could potentially fail.

The newly released **Fumigant VisaGage II** is made from polymethylpentene (TPX®) chemical resistant bodies with UV protection. The Fumigant VisaGage II is ideal for Telone applications.

Proper Application = Increased Yields

- With the CDS-John Blue VisaGage II you will know immediately if an outlet is plugged, thus causing possible variations in your application rates.
- So easy - See the balls in line and know your rate is uniform.
- When the ball is lower you know there is a restriction at the outlet, hose or opener supplied by that flow monitor.
- A ball higher than the others is an indication that hoses or fittings supplied by that specific flow monitor is broken or has a leak.

Customize Your Visual Flow Monitor System

- Get the exact number of flow monitors for spraying or fertilizer applications by simply banking single columns or sets of 4 Flow Monitors or any combination you choose. Clasp them together with the stainless steel clips and Viton O-rings and go.
- The CDS-John Blue VisaGage II allows the use of common stainless steel orifice plates.
- Ports are standard NPT - Use our barb or convenient push connect fittings for simple installation.
- Most parts are interchangeable with other brands.




SMSS1

For Use with Sprayers	
Part Number*	**Description**
SMSS1	Single Flow Monitor Assembly - Spray Type includes single body, 3/8" NPT female inlet and outlet, (5) 1/2" diameter balls, end cap, Viton O-rings and stainless steel retainer clips.
SMSS4	Set of 4 Flow Monitor Assembly - Spray Type includes 4 bodies, 1/2" NPT female inlet, 3/8" NPT female outlet, (20) 1/2" diameter balls, end cap, Viton O-rings and stainless steel retainer clips.

***add -fum after part number for fumigant models.**


SMFD1

For Use with Flow Dividers or Squeeze Tube Pumps	
Part Number*	**Description**
SMFD1	Single Flow Monitor Assembly - Flow Divider Type includes single flow divider monitor body, 3/8" NPT female inlet and outlet, (5) 1/2" diameter balls, end cap, Viton O-rings and stainless steel retainer clips.
SMFD4	Set of 4 Flow Monitor Assembly - Flow Divider Type includes 4 bodies, 3/8" NPT female inlet and outlet, (20) 1/2" diameter balls, end cap, Viton O-rings and stainless steel retainer clips.

***add -fum after part number for fumigant models.**


SMPT-009

Miscellaneous Components	
Part Number	**Description**
SMPT-0009	Ball storage unit - optional - holds up to 40 balls (use one per set of 8 bodies). Lid can be locked.
SMPT-0014	Tee - optional - for spray type use with typically 8 total bodies, 1" NPT female inlet port and 1/4" female NPT port for gauge.
SMPT-0021	7/16" Stainless Steel Ball - optional for use with extra high flow rates.
SMPT-0034	#112 Viton O-ring - optional - used to seal orifice plates, install plate in recess of the 3/8" NPT port adapters and then install the O-ring to retain and seal orifice plate.

CDS-John Blue Technical Sales Department is available to answer all of your questions.

Update Your John Deere™ Equipment with the Latest Technology from CDS-John Blue Company

CDS-John Blue Company has developed the following kits to make it easier to use CDS-John Blue products on your John Deere Planter.

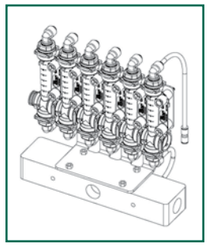




Kits for converting the 1770NT John Deere Port Manifold System to the CDS-John Blue Flow Divider (for planters built 2012 and after).

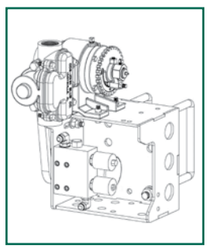
Part Number	Description
116098 (16 row)	Kit includes 16 outlet Flow Divider, (16) 1 psi Check Valves and all necessary plumbing.
116099 (12 row)	Kit includes 12 outlet Flow Divider, (12) 1 psi Check Valves and all necessary plumbing.

*VisaGage II's are available, see pages 14-15.



VisaGage II Kits when just adding flow monitors to your 1770NT John Deere Planter (planters built 2012 and after). Kits will bolt directly to your manifold.

Part Number	Description
116107 (16 row)	Kit includes (4) Sets of 4 Flow Monitor Assemblies, backing plates, mounting brackets, tubing and all necessary plumbing.
116108 (12 row)	Kit includes (3) Sets of 4 Flow Monitor Assemblies, backing plates, mounting brackets, tubing and all necessary plumbing.



Variable Rate Hydraulic (VRH) Drive Kits for John Deere Planters

Part Number	Description
VRH-JD-10	VRH Kit for John Deere CANbus Planters Using GreenStar™ GS2 and GS3. Kit includes: mounting bracket, chain, sprockets, hydraulic motor, PWM flow control manifold, custom adaptor harness and setup instructions with parts listing for obtaining off-the-shelf components to complete installation. Other applications may work, but CANbus wiring must be present.
VRH-JD-15	Multi-Section VRH Drive Kit for John Deere CANbus Planters using GreenStar™ GS2 and GS3. Kit includes same as above except for harness to control up to 7 section valves. Other applications may work, but CANbus wiring must be present.

Visit www.cds-johnblue.com for complete instruction/installation manuals.



Upgrade your existing LM Piston Pump with the proven NGP Piston Pump. Plus we offer a NEW dual adjustable rate pump – NGP-8055-AR apply two products at two rates with one pump – perfect for starter fertilizer and nitrogen applications, see pages 2-7.

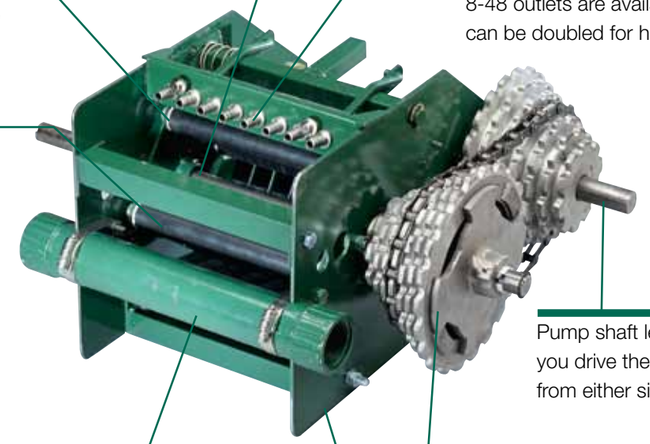


New 6 Outlet Flow Divider complements our newly revised 12 and 20 outlet flow dividers. The 6-outlet is ideal for sectional shut-off. Also available is our new Flow Divider Adjustable Spring Kits for balancing multiple flow dividers. See pages 12-13 for more details.



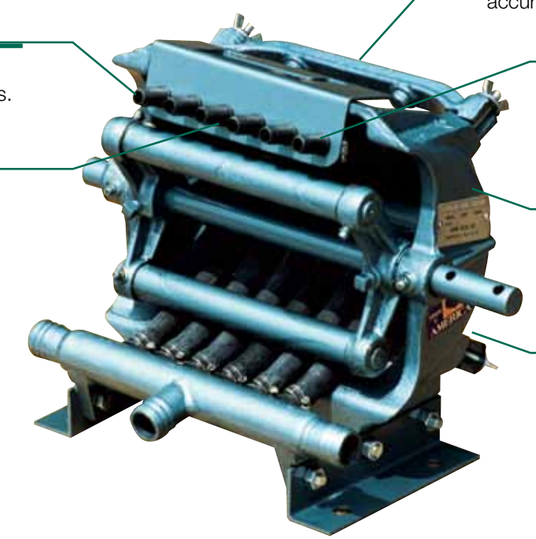
New Serviceable Poly delivery line Check Valves. The CDS-John Blue Check Valves stop unwanted drips, directly replaces existing check valves and are cleanable in the field. More consistent opening pressures than most other check valves. Select your desired end connections including hose barbs -available with 1 lb. spring. See page 13.

Oval-Shaped Tube with Built-in Backing Plate Squeeze Tube Pump



- Oval-shaped tubes with built-in backing plate insure accurate rates. The positive shut-off is due to the positive sealing tubes.
- Sealed-for-life bearings require no lubrication.
- 8-48 outlets are available. Outlets can be doubled for higher rates.
- Rubber-coated rollers are easily replaced in the field, plus non-metallic roller surfaces reduce abrasion, resist corrosion and etching by fertilizers.
- Pump shaft lets you drive the unit from either side.
- Heavy-duty PVC manifolds are ideal for all fertilizers including acid-based products.
- Multiple-coned sprockets come standard allowing for seven different delivery rates.
- Sturdy, all metal frame.

Round Hose with Patented Spring Loaded Back Plate Squeeze Tube Pump



- Patented spring loaded back plate insures accurate rates.
- Positive shut-off when pump stops.
- Fittings can be relubricated to flush out contamination.
- 6-16 outlets are available.
- Heavy cast iron frame.
- Choice of optional individual sprockets or complete cluster sets.

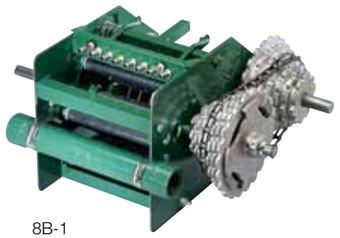
See our complete line of CDS-John Blue Squeeze Pumps on pages 18-19.

Squeeze Pump Specifications

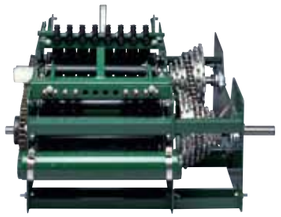
Hose Size	Maximum Output Per Hose	Maximum Speed	Maximum Pressure	Rate Range GPA
Oval Shaped Tube With Built-in Backing Plate Squeeze Pump				
3/8”	.63 gpm	100	6 psi	1.5-2.5*
5/8”	1.26 gpm	100	6 psi	3-50*
Round Hose Spring Loaded Back Plate Squeeze Pump				
5/16”	.58 gpm	125	6 psi	3-23**
1/2”	1.4 gpm	125	6 psi	7-55**

***Maximum GPA rating based on 5 MPH, 30 inch rows. Minimum is based on 24 pulses per minute.**
****Maximum rating based on 5 MPH, 30 inch rows. Minimum is based on 48 pulses per minute.**

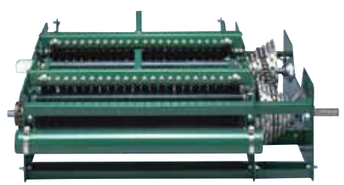
Models Available for Oval-shaped Squeeze Tube Pump with Built-in Backing Plate



8B-1



Combination Pump 8B-1/8L

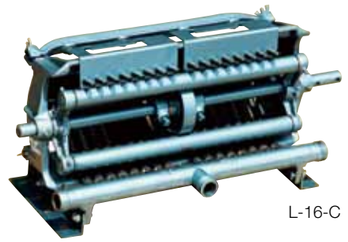


Double Pump 48BD-1

Part Number	Number of Rows	Metering Hose Size	GPA	Discharge Hose Size	Suction Hose Port
Standard Models					
8B-1	8	3/8”	1.5-25	3/8”	1 1/4” FPT
8L	8	5/8”	3-50	1/2”	1 1/4” FPT
12B-1	12	3/8”	1.5-25	3/8”	1 1/4” FPT
12L	12	5/8	3-50	1/2”	1 1/4” FPT
16B-1	16	3/8”	1.5-25	3/8”	1 1/4” FPT
16L	16	5/8”	3-50	1/2”	1 1/4” FPT
24B-1	24	3/8”	1.5-25	3/8”	1 1/4” FPT
Hydraulic Models					
8B-IH	8	3/8”	1.5-25	3/8”	1 1/4” FPT
8L-H	8	5/8”	3-50	1/2”	1 1/4” FPT
12B-IH	12	3/8”	1.5-25	3/8”	1 1/4” FPT
12L-H	12	5/8”	3-50	1/2”	1 1/4” FPT
16B-IH	16	3/8”	1.5-25	3/8”	1 1/4” FPT
16L-H	16	5/8”	3-50	1/2”	1 1/4” FPT
Combination Pump Models					
8B-1/8L	16	3/8 & 5/8”	1.5-50	3/8 & 1/2”	1 1/4” FPT
8L-H	8	5/8”	3-50	1/2”	1 1/4” FPT
Double Pump Models					
24LD	24	5/8”	3-50	1/2”	1 1/4” FPT
32BD-1	32	3/8”	1.5-25	3/8”	1 1/4” FPT
40BD-1	40	3/8”	1.5-25	3/8”	1 1/4” FPT
48BD-1	48	3/8”	1.5-25	3/8”	1 1/4” FPT

Note: B-1 Pumps have stainless steel fittings.
L Pumps have plastic fittings.
Combination Pumps have B-1 Pump at front (input drive end).

Models Available for Round Hose Spring Loaded Back Plate Squeeze Tube Pump



L-16-C

Part Number	Number of Rows	Metering Hose Size	GPA	Discharge Hose Size	Suction Hose Size
Standard Models					
L-6-C	6	1/2”	7-55	1/2”	1”
L-8-C	8	5/16”	3-23	3/8”	1”
L-8LC	8	1/2”	7-55	1/2”	1 1/4”
L-12-SC	12	5/16”	3-23	3/8”	1 1/4”
L-12-C	12	1/2”	7-55	1/2”	1 1/4”
L-16-C	16	5/16”	3-23	3/8”	1 1/4”

Pump Drives and Optional Accessories - Also see pages 8-9

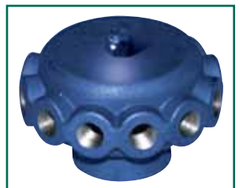
Part Number	Description
Standard Models	
L-4512	Sprocket Package - Base: includes (2) L-1414 & (2) L-4414; 10T, 15T, 20T, 22T & 26T sprockets.
L-4513	Sprocket Package - Complete: includes L-1414 & L-4414; 8T, 9T, 10T, 15T, 22T, 23T, 26T, 30T & 31T sprockets.
114272	Sprocket Cluster for the round tube squeeze pump containing 10T, 15T, 20T, 22T, 26T sprockets.

Miscellaneous Components

Part Number	Description	Part Number	Description
111698-01	Hub Adaptor-4 Hole	L-1383	8 Tooth Sprocket
111699-02	Hub Adaptor-5 Hole	L-1384	9 Tooth Sprocket
112612-01	Hub Adaptor-6 Hole	L-1385	10 Tooth Sprocket
L-1414	Sprocket Adaptor - 7/8” Bore	L-1386	15 Tooth Sprocket
L-1414-1	Sprocket Adaptor - 1” Bore	L-1381	20 Tooth Sprocket
L-1414-2	Sprocket Adaptor - 3/4” Bore	L-1387	22 Tooth Sprocket
L-4414	Sprlcket Retainer - 7/8” Bore	L-1388	23 Tooth Sprocket
L-4414-1	Sprocket Retainer - 1” Bore	L-1389	26 Tooth Sprocket
L-4414-2	Sprocket Retainer - 3/4” Bore	L-1390	30 Tooth Sprocket
112838	Sprocket Retainer - 7/8” Hex	L-1391	31 Tooth Sprocket
112839	Sprocket Adaptor - 7/8” Hex	L-1392	32 Tooth Sprocket
114565-91	35 Tooth Split Sprocket for 7/8” Hex Shaft	114936-91	32 Tooth Split Sprocket for 7/8” Hex Shaft

See our complete line of ground drives on pages 8-9.

Repair Parts Available on Page 35-36.


113983


114015


113934


114382

Features of the Stainless Manifolds:

- The CDS-John Blue manifold can be used with clear liquids for even distribution when used with proper size orifices for high pressure distribution systems such as orifices, coulter injection or nozzles.
- By interchanging the orifice size you can adjust the application range.
- The CDS-John Blue manifolds are constructed of domestic investment cast stainless steel, which will last for many years.
- Heavy duty, cast iron manifolds are also available.

Manifolds and Mounts

Part Number	Description	Number of Outlets	Rating PSI	Construction	Inlet	Outlet
113983	NH3 Manifold w/ Flow Diffusor	12	150	304 SS	1" FPT	1/4" FPT
113934	Liquid Manifold	12	250	304 SS	1" FPT	1/4" FPT
114015	Liquid Manifold	4	250	304 SS	1 1/2" FPT	3/4" FPT
114382	Liquid Manifold	16	250	304 SS	1" FPT	1/4" FPT
102175	NH3 Manifold	24	N/A	Cast Iron	1" FPT	1/4" FPT
A-526-L	Liquid Manifold	8	N/A	Cast Iron	3/4" FPT	1/4" FPT
A-1402-L	Liquid Manifold	12	N/A	Cast Iron	3/4" FPT	1/4" FPT
L-1730	Liquid Manifold	3	N/A	Polyethylene	3/4" FPT	3/8" FPT
113989	Manifold Mount for 113934, 113983 and114382	N/A	N/A	N/A	N/A	N/A
114106	Manifold Mount for 114015	N/A	N/A	N/A	N/A	N/A

For the complete line of CDS-John Blue Piston Pumps see pages 2-7.

Features of the CDS-John Blue In-Line Strainers:

- In-line strainers clean foreign materials and large particles from pesticides and fertilizer solutions to ensure good distribution whether spraying or applying below the surface.
- Heavy duty cast iron body and stainless steel screens means a long life.
- Provides a well-mixed solution, clear of clogging particles and debris.

In-line Strainers

Part Number	Description	Mesh Size	Inlet	Outlet
L-1116	For use with L-1094	30 Mesh	1 1/4" Hose	1 1/4" Hose
L-4001	For use with L-4400, LM-4450 and LM-2450	30 Mesh	1 1/2" Hose	1 1/2" Hose
L-3120	For use with LM-4950	30 Mesh	2" Hose	2" Hose
L-3422	Nylon Strainer	40 Mesh	3/4" FPT	3/4" FPT

Check Valves - Used with Flow Dividers and Manifolds

Part Number	Description
NS-3030	Stainless steel - 1/4" FPT with nozzle cap
NS-3032	Stainless Steel - 1 1/16" Female threads with nozzle cap
NS-3035	Nylon, in-line - 3/8" hose x 3/8" hose
113827	Nylon, in-line 1/2" hose x 1/2" hose
CV-1101	Poly Check Valve, 1/4" NPT Female Inlet and Outlet, 1 psi
CV-1101-B14	Poly Check Valve, 1/4" Hose Barbs Inlet and Outlet, 1 psi, replaces 115284-01
CV-1101-B38	Poly Check Valve, 3/8" Hose Barbs Inlet and Outlet, 1 psi, replaces 115285-01
CV-1101-B12	Poly Check Valve, 1/2" Hose Barbs Inlet and Outlet, 1 psi, replaces 115286-01

Hose Barbs - Used with Flow Dividers and Manifolds

Part Number	Description	MPT Size	Hose Size
A-94	Hose coupling, steel	1/4"	1/4"
A-94-A	Hose coupling	1/4"	3/8"
A-94-AS	Hose coupling, stainless steel	1/4"	3/8"
A-94-S	Hose couple	1/8"	1/4"
A-7786	Hose coupling, steel	1/4"	1/2"
S-2927	Hose coupling, nylon	1/4"	3/8"
T-2207	Hose insert, nylon	1/4"	1/2"

Impellicone® Flow Divider for Anhydrous Ammonia



The CDS-John Blue Impellicone is a flow divider designed for Anhydrous Ammonia (NH_3). It distributes NH_3 to multiple rows across an applicator with the accuracy and flexibility you have come to expect from CDS-John Blue Products. Impellicone's name comes from the unique shaped needle, which spins and mixes the liquid and gas phases distributing them evenly to the number of outlets you need. The CDS-John Blue Impellicone can be used for all NH_3 applications at normal rates, while also offering the flexibility to plug unused outlets without sacrificing accuracy. A simple design allows for ease of service without removing the distribution lines, however it is recommended that proper handling techniques for NH_3 be used at all times. The Impellicone's superior accuracy allows better control of targeted rates greatly reducing the over-application of NH_3. This will result in less nitrogen leaching, lower crop yield variability and ultimately lowering overall application costs.

After extensive testing through Iowa State, field trials and a lengthy approval process, CDS-John Blue Company is proud to offer patented technology in three models, IP-0600 (6-outlet), IP-1300 (13 outlet) and IP-1800 (18 outlets).

CDS-John Blue Impellicone Flow Dividers			
Part Number	**Description**	**Inlet Size**	**Outlet Size**
NEW IP-0600	6 Outlet NH_3 Flow Divider	1" NPT	1/4" NPT
IP-1300	13 Outlet NH_3 Flow Divider	1" NPT	1/4" NPT
IP-1800	18 Outlet NH_3 Flow Divider	1" NPT	1/4" NPT

CDS-John Blue Splitter Distribution Manifold, a Precision Manifold for Anhydrous Ammonia



IPS-4 Splitter

The CDS-John Blue Precision Splitters should be used when three or four CDS-John Blue Impellicones are used in parallel.



Precision-machined separator stem

Anhydrous Ammonia Splitters and Manifolds						
Part Number	**Type**	**Description**	**Number of Outlets**	**Inlet**	**Outlet**	**Gauge Port**
IPS-3		3-Port Impellicone Splitter	3	1 1/4" NPT	1" NPT	
IPS-4		4-Port Impellicone Splitter	4	1 1/4" NPT	1" NPT	
113989		Manifold Mount				
113983	Plain Manifold	Inlet Flow Diffusor, 304 SS Construction	12	1" FPT	1/4" FPT	N/A
A-3744-B	Plain Manifold	Inlet Flow Diffuser, Cast Iron Construction	13	1" FPT	1/4" FPT	N/A
102175	Plain Manifold	Inlet Flow Diffuser, Cast Iron Construction	24	1" FPT	1/4" FPT	N/A


A-720C-4


A-720C-4S


A-460BC-3

A-Series Stainless Steel Tubes on Heavy Duty Knives

Features:

- Heat-treated after coating to assure strength and wearability.
- High carbon 1080 steel makes the knife strong and tough.
- Plain tube or 304 stainless steel tube.
- Available with extremely hard boride coating for long wear life.
- Largest toe section on any knife in the industry.

NH3 Liquid Blades

Part Number	Blade Type	Number of Tubes	Tube Material	Tube Size	Sealer	Boride Coating
A-460BC-3	Back Swept	Single	Stainless Steel	3/8”	No	Yes
A-460BC-3S	Back Swept	Single	Stainless Steel	3/8”	Yes	Yes
A-460BC-3SP	Back Swept	Single	Plain	3/8”	Yes	Yes
A-460BC-4	Back Swept	Single	Stainless Steel	1/2”	No	Yes
A-460BC-4P	Back Swept	Single	Plain	1/2”	No	Yes
A-720-3	Front Swept	Single	Stainless Steel	3/8”	No	Yes
A-720-3P	Front Swept	Single	Plain	3/8”	No	No
A-720-3S	Front Swept	Single	Stainless Steel	3/8”	Yes	No
A-720-3SP	Front Swept	Single	Plain	3/8”	Yes	No
A-720-4	Front Swept	Single	Stainless Steel	1/2”	No	No
A-720-4P	Front Swept	Single	Plain	1/2”	No	No
A-720-4S	Front Swept	Single	Stainless Steel	1/2”	Yes	No
A-720-4SP	Front Swept	Single	Plain	1/2”	Yes	No
A-720C-3	Front Swept	Single	Stainless Steel	3/8”	No	Yes
A-720C-3P	Front Swept	Single	Plain	3/8”	No	Yes
A-720C-3S	Front Swept	Single	Stainless Steel	3/8”	Yes	Yes
A-720C-3SP	Front Swept	Single	Plain	3/8”	Yes	Yes
A-720C-4	Front Swept	Single	Stainless Steel	1/2”	No	Yes
A-720C-4P	Front Swept	Single	Plain	1/2”	No	Yes
A-720C-4S	Front Swept	Single	Stainless Steel	1/2”	Yes	Yes
A-720C-4SP	Front Swept	Single	Plain	1/2”	Yes	Yes
AD-720C	Front Swept	Dual	Stainless Steel	(1) 3/8” front & (1) 1/2” rear	No	Yes
AD-720C-3	Front Swept	Dual	Stainless Steel	3/8”	No	Yes
AD-720C-4	Front Swept	Dual	Stainless Steel	1/2”	No	Yes


R-481

R-Series CDS-John Blue Replacement Knives:

- High strength ductile knife.
- Easy to replace (R-483) tube.
- Hard facing to protect the tube.
- Easy replacement - only one pin is needed to replace (R-482) toe, no cutting or welding is required.

Replaceable Knife and Components

Part Number	Blade Type	Description
R-481	Front Swept	Heavy Duty Blade - Super Ductile Iron With Replaceable Toe & Tube
R-482	Front Swept	Replaceable Toe - Ductile Iron, Replacement for R-473 & R-481 Blades
R-483	Front Swept	Replaceable Tube - 1/8” Steel, Replacement for R-481 & R-484 Blades

“CDS-John Blue Company is an industry leader with significant name recognition and a superb reputation in the field. Our customers demand CDS-John Blue Pumps because they have proven to be a reliable and effective tool for the agricultural industry.”

Ed Wunsch
Vice President
Big W Sales, CA

CDS-John Blue Products Deliver the Features and Durability You Can Depend On - Year After Year!

CDS-John Blue Centrifugal Pumps Are Designed To Outlast Your Equipment

For over 125 years, CDS-John Blue Company has been committed to creating pumps that deliver uncommon performance, quality and value. We are committed to using new technologies, materials and engineering techniques that lead to breakthroughs in pump performance and handling. **Let us show you the CDS-John Blue Centrifugal Pumps that can be run dry without damaging the seal - at a price you can afford.**







Features:

- Patented Vac-U-Seal impeller design creates a vacuum between the impeller and mechanical seal. Lack of pressure on the seal face minimizes seal wear and results in a longer seal life.
- Double wet seal design provides for continuous lubrication of the seal faces. This wet seal design allows the pump to be run dry for extended periods with no damage to the mechanical seal faces.
- Closed impeller design minimizes thrust loading on the drive motor extending the life of the drive motor. Impeller wear actually increases performance - CDS-John Blue Centrifugal Pumps get better with use!
- Extra thick cast walls provide extra strength and extend the life of the unit due to abrasion and corrosion.

2 Year Unconditional Warranty on Pumps
Who Else Can Do This?



SP-3320-BS



SP-3320-G13H



S-3220-E

Part Number	Pump Type*	Max Capacity GPM	Max Pressure PSI	Max Speed RPM	Max Power** HP	Inlet & Outlet FPT
Pumps For Gasoline Engines - Note: A Base Mounting for Engine Required* **						
S-3220	2" Straight, 3/4" Shaft	197	39	3500	5	2"
S-3320	3" Straight, 1 1/8" Shaft	365	60	3500	10	3"
SP-3220	2" Self-Priming, 3/4" Shaft	152	42	3500	5	2"
SP-3320	3" Self-Priming, 1 1/8" Shaft	308	65	3500	10	3"
S-3320-BS	3" Straight, 1" Shaft	365	60	3500	10	3"
SP-3320-BS	3" Self-Priming, 1" Shaft	308	65	3500	10	3"

- ***NEW*** **LCT Engines available in 5 HP recoil start and 13 HP electric start.**
- ***NEW*** **Keyed shaft clamp standard on 3" -BS gasoline engine pumps.**
- ***NEW*** **Carbide seals available on 2" and 3" pumps, add -C after part number.**

Pumps Coupled To Gasoline Engines						
S-3220-G5H	2" Straight, 5 HP Honda Engine With Base	197	39	3500	5	2"
SP-3220-G5H	2" Self-Priming, 5 HP Honda Engine With Base	152	42	3500	5	2"
SP-3320-G13H	3" Self-Priming, 13 HP Honda, Electric Start, Engine With Base	308	65	3500	13	3"

- ***NEW*** **LCT Engines available. 5 HP engine add -G5LCT after part number. 13 HP engine add -G13LCT after part number.**

Pumps for Electric Motors						
S-3220-E	2" Straight, 3/4" Shaft	197	39	3500	5	2"
S-3320-E	3" Straight, 1 1/8" Shaft	365	60	3500	10	3"
SP-3220-E	2" Self-Priming, 3/4" Shaft	152	42	3500	5	2"
SP-3320-E	3" Self-Priming, 1 1/8" Shaft	308	65	3500	10	3"

*** Pump size given in inches refers to inlet and outlet sizes.**
**** Power based on electric motor with full voltage and pumping water.**
***** 2" base order S-3321, 3" base order S-3336**

Repair parts available on Page 34.

Flanges now available on CDS-John Blue Centrifugal Pumps see page 28.



SP-3320-E15TB



SP-3320-P



SP-3220-PH



NEW SP-3320-FLG

Part Number	Pump Type*	Max Capacity GPM	Max Pressure PSI	Max Speed RPM	Max Power** HP	Inlet & Outlet FPT
Pumps Coupled To Electric Motors						
S-3220-E5D3	2" Straight, 5 HP 3 Phase	197	39	3500	5	2"
S-3320-E10T	3" Straight, 10 HP Electric TEFC, 3 Phase	365	60	3500	10	3"
S-3320-E15T	3" Straight, 15 HP Electric TEFC, 3 Phase	365	60	3500	15	3"
SP-3220-E5D3B	2" Self-Priming 5 HP Electric Drip Proof, 3 Phase With Base	152	42	3500	5	2"
SP-3220-E5T3B	2" Self-Priming 5 HP Electric TEFC, 3 Phase With Base	152	42	3500	5	2"
SP-3320-E10TB	3" Self-Priming 10 HP Electric TEFC, 3 Phase	308	65	3500	10	3"
SP-3320-E10TB-1	3" Self-Priming 10 HP Electric TEFC, 1 Phase	308	65	3500	10	3"
SP-3320-E15TB	3" Self-Priming 15 HP Electric 3 Phase With Base	308	65	3500	15	3"
Pumps With Pedestal Mount						
S-3220-P	2" Straight, 3/4" Shaft	197	39	3500	5	2"
S-3320-P	3" Straight, 1 1/8" Shaft	365	60	3500	10	3"
S-3325-P	3" Straight Truck Pump, 1 1/8" Shaft	463	99	4500	16.5	3"
SP-3220-P	2" Self-Priming, 3/4" Shaft	152	42	3500	5	2"
SP-3320-P	3" Self-Priming, 1 1/8" Shaft	308	65	3500	10	3"
SP-3325-P	3" Self-Priming Truck Pump 1 1/8" Shaft	308	65	3500	10	3"
Pumps Coupled To Hydraulic Motors (includes hydraulic motor)						
S-3220-PH	2" Straight Hydraulic Drive	197	39	3500	10	2"
S-3325-PH	3" Straight Truck Pump Hydraulic Drive	365	60	3500	10	3"
SP-3220-PH	2" Self-Priming Hydraulic Drive	152	42	3500	5	2"
SP-3325-PH	3" Self-Priming Truck Pump Hydraulic Drive	308	65	3500	10	3"

- *NEW* Low flow hydraulic motors are available on Hydraulic Truck Pumps Straight 3" (S-3325-PHL) and Self-priming 3" Hydraulic Truck Pump (SP-3325-PHL).
- Standard motors require 25 GPM for full pump flow and low flow motors require 14 GPM.

***NEW* Miscellaneous**
Flanges available on all centrifugal pumps: Add -FLG after model part number.
Flange Adapters Ductile Iron, 2", NPT to 220 Series: 116001-01
Flange Adapters Ductile Iron, 3" NPT to 300 Series: 116002-01

*** Pump size given in inches refers to inlet and outlet sizes.**
**** Power based on electric motor with full voltage and pumping water.**

Compact, Durable Small Range Pump Units

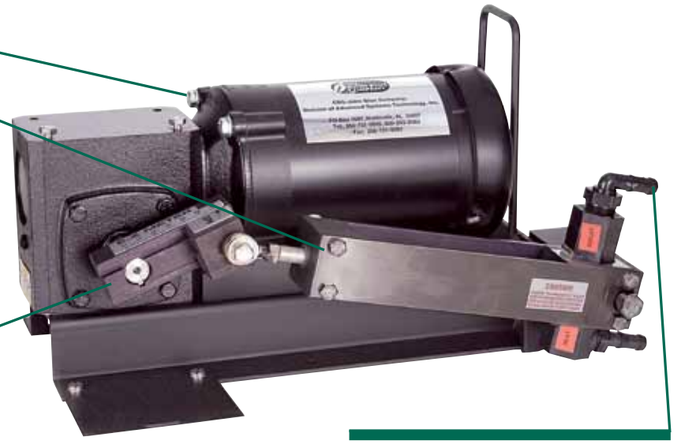
Reaching New Heights in Quality and Performance

Install a CDS-John Blue Irrigation Pump and you install a pump backed by more than 125 years of manufacturing expertise. CDS-John Blue Company offers the most advanced technology for accurately metering fertilizers and chemicals through irrigation systems - drip, pivot, turf and nursery applications. All CDS-John Blue Irrigation Pumps are designed for accuracy, built for durability and proven in the field.

Our broad range of injection pumps are available in both simplex and duplex models. All wetted internal parts exposed to agricultural products are made from 316 stainless steel, chemically resistant polypropylene and the highest quality seals available today.

When irrigation injection of fertilizers and chemicals demands an accurate injection rate, maximum dependability and long-term reliability, then choose the CDS-John Blue Irrigation Injection Pumps that have been engineered with you in mind.

Pumping cylinders can be mounted in parallel for large volume applications or for injection of two non-compatible products.



A simple change of stroke length sets the precise flow to be injected.

Maximum pressure 150 psi.



E-Z Meter Pumps with the double ball, built-in check valves provide better performance by virtually eliminating air locking. Available in 316 stainless steel or Teflon cylinders.

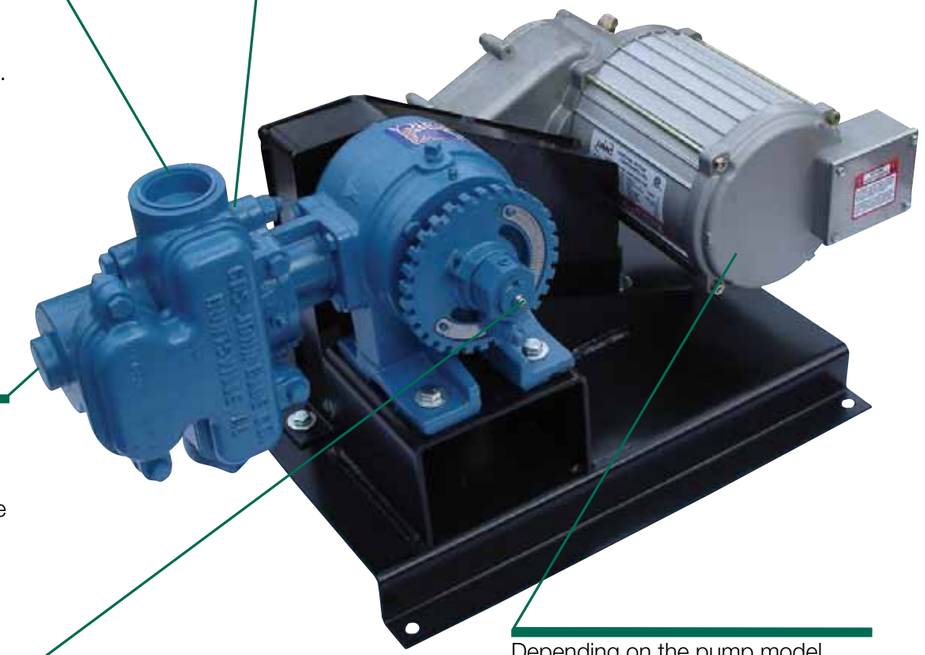


The latest state of the art technology is used in the CDS-John Blue piston cup seals. The upgraded seals are more forgiving when the pump is run dry between supply tank refills. The special CDS-John Blue piston cup shape provides a positive seal without the need for future adjustments. Piston cups can be changed in the field with standard tools.

Reaching New Heights in Quality and Performance!

Pump models have a range of application from 1.6 to 114 GPH or all the way up to 6 to 470 GPH.

All wetted parts are constructed with corrosion resistant stainless steel to ensure optimum performance over many years of service.



All working parts are totally enclosed for maintenance free service.

Rates are easily adjusted with the dial pointer located on the side of the pump, which changes the length of the stroke.

Depending on the pump model, units are available with ¾ or 1 ½ HP motor and gearbox.



115026-HS



CV-1310

NEW Injection Check Valve

- 200 gph maximum capacity continuous flow (duplex).
- 100 gph maximum capacity (simplex).
- More uniform distribution of products.
- Prevents backflow, siphoning and bleed through of product.
- Easy to install and maintain.
- All Viton seals.
- 316 stainless steel spring, ball and injection tube.
- 10 psi spring.
- Bodies available in either polypropylene (CV-1310) or 316 stainless steel (115026-HS).



02633

E-Z Meter Pumps*

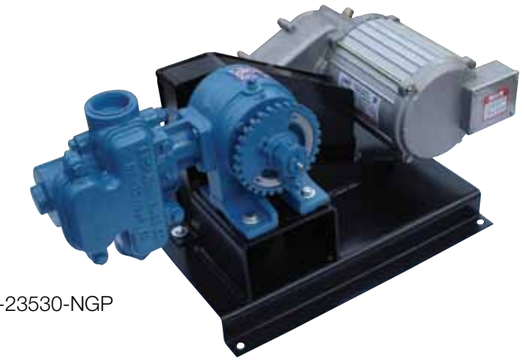
Maximum Pressure 150 PSI

316 Stainless Steel Cylinder Models

Power Source	5-30 GPH	10-100 GPH	5-30 5-30 GPH	5-30 10-100 GPH	10-100 10-100 GPH
110-220 1ph	10620	11630	10622	10623	10633
220-440 3ph	20620	21630	20622	20623	20633
Belt Drive	01620	01630	01622	01623	01633
Honda Engine	02620	02630	02622	02623	02633
12V DC Motors	30620	30630	30622	30623	30633

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

CDS-John Blue Full Range Fertilizer Injection Units



IN-23530-NGP

Model Number	Phase	Model Type	Low Range GPH	High Range GPH	Max PSI	Motor Size	GPH Range
IN-11610	Single	Simplex Duplex	2.6-26.2 5.2-52.4	5.9-59 11.7-117.4	120 120	1 1/2 1 1/2	2.6-117
IN-11630	Three	Simplex Duplex	1.6-15.5 3.1-31	5.7-57 11.4-114	120 120	3/4 3/4	1.6-114
IN-23510-NGP	Single	Simplex Duplex	5.5-55 11-108	12-122 24-242	120 120	1 1/2 1 1/2	5.5-242
IN-23530-NGP	Three	Simplex Duplex	3-32 6-64	12-119 24-235	120 120	3/4 3/4	3-235
IN-47010-NGP	Single	Simplex Duplex	8.2-81.9 16.2-162	18.4-183.8 36.3-363	120 120	1 1/2 1 1/2	8.2-363
IN-47030-NGP	Three	Simplex Duplex	6-64.8 12-128	24-238 48-470.2	120 120	1 1/2 1 1/2	6-470

E-Z Meter Field Conversion Parts and Options

Model Number	Description
50520	Duplex Field Conversion 5-30 GPH E-Z Meter Pump
50530	Duplex Field Conversion 10-100 GPH E-Z Meter Pump
115026-HS	1/4" FNPT inlet x 1/4" MNPT outlet (with tube) 316 SS Backflow Check Valve for Irrigation Line
115030	1/4" MNPT inlet x 1/4" FNPT outlet Backflow Check Valve for Irrigation Line
NEW CV-1310	1/4" FNPT inlet x 1/2" MNPT outlet (with tube) Poly Check Valve for Irrigation Line

***Pumps produced prior to 2005 can only be duplexed if originally supplied with a dual output shaft gearbox used on 10-100 units, gasoline or belt drive pumps.**

E-Z Meter Power Sources:

5-30, 10-100 and 10-200 GPH Pumps

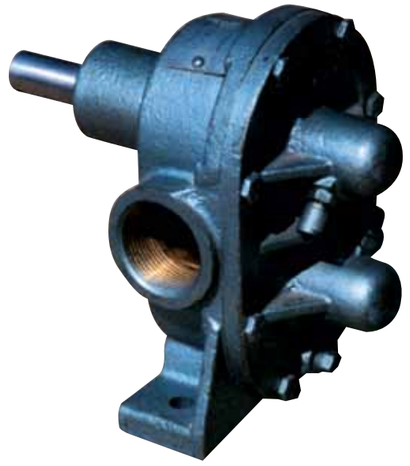
115/208-230V Single Phase, 60 HZ.
1/2 HP, 1725 RPM, 115/208-220V, FLA 8.8/4.4, 56C Frame, HZ 60 single phase, SFA 9.4/4.7, service factor, 1.15 ball bearings. (50 HZ motors available upon request).

208-230/440V Three Phase, 60 HZ.
1/2 HP, 1725 RPM, 208-230/440V, FLA is 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
1/2 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.

All CDS-John Blue Irrigation Pumps
are backed by our Unconditional Guarantee:
"Guaranteed to Do the Job"



This positive displacement brass gear pump with the shear pin design and stainless steel shaft is ideal for sprayer applications. The CDS-John Blue Brass Gear Pump maintains even pressure and is designed to be run at 540-600 RPM.

Brass Gear Pump - Model 113778	
Shear Pin Design	Inlet - 1 1/4"
Solid Brass Pump Case	Outlet - 1 1/4"
Solid Brass Cover Plate	Maximum Pressure - 250 PSI
Maximum Capacity - 18 GPM	Maximum Speed - 600 RPM

Model Available:
113778 Brass Gear Pump



CDS-John Blue Company
Built on a Tradition of Quality

Miscellaneous Drive Components For Pump Drives see page 8-9.	
Part Number	**Description**
LA-1341-HA	Hub Sprocket Adaptor - 4 Bolt
106190-01	Hub Sprocket Adaptor - 5 Bolt
A-1341-HA	Hub Sprocket Adaptor - 6 Bolt
A-1342-BP	50 Tooth Roller Chain Sprocket (50)
A-1342-AP	60 Tooth Roller Chain Sprocket (50)
A-1502	80 Tooth Roller Chain Sprocket (50)
114565-91	35 tooth split sprocket for 7/8" hex shaft, for piston and squeeze pumps.
114936-91	32 tooth split sprocket for 7/8" hex shaft, for piston and squeeze pumps.

Seal & Gasket Repair Kits for Centrifugal Pumps For Centrifugal Pumps see pages 26-28.	
103274	Seal & Gasket Repair Kit - 1 1/2" and 2" Straight Centrifugal, Double Seal Viton
103276	Seal & Gasket Repair Kit - 2" Self-Priming Centrifugal Pump
103277	Seal & Gasket Repair Kit - 3" Straight Centrifugal, Double Seal Viton
103278	Seal & Gasket Repair Kit - 3" Self-Priming Centrifugal, Double Seal Viton
110128	Seal & Gasket Kit - S-3325 and S-3325-DS (Ceramic)
110130	Seal & Gasket Kit - S-3330 and S-3330-DC (Silicon Carbide)

Seal Kits for Centrifugal Pumps For Centrifugal Pumps see pages 26-28.	
S-3756	Seal Kit - 1 1/2" and 2" Straight and Self-Priming Centrifugal, Double Seal Viton
S-3757	Seal Kit - 3" Straight and Self-Priming Centrifugal, Double Seal Viton
103839-91	Seal Kit - S-3680 and S-3681 Hydraulic Motor
110127	Seal Kit - S-3325, S-3325-DS and SP-3325 Truck Pump
110129	Seal Kit - S-3350 and S-3330-DS Truck Pump

Repair Kits for Pumps and Fittings	
F-592	Gasket Repair Kit - For Acid Pumps FA-500 and FA-501
F-592-U	Gasket Repair Kit - For Fumigant Pumps FA-500-U, FA-500 and FAC-500-U
109414	Gasket Repair Kit - For Acid Pumps FA-550 and FA-551
109415	Gasket Repair Kit - For Fumigant Pumps FU-550 and FU-551
104120	Gasket Repair Kit - For A-1610 N-Serve Pump
113604	Gasket Repair Kit - For A-1610-A Pump
L1095-B	Gasket Repair Kit - For L-1094 Pump (for SN Above 2100) and L-905 Pump
L-3090	Gasket Repair Kit - For L-3000-SS, L-4900, L-4905 and L-4910 Pumps
L-4090	Gasket Repair Kit - For L-4000-SS, L-4400, and L-4409 Pumps
L-4090-U	Gasket Repair Kit - For L-4400 Fumigant Pump
L-5065	Gasket Repair Kit - For L-5000 Pump
106029	Gasket Repair Kit - For L-5100 Pump
S-555-Q	Gasket Repair Kit - For "Blue" Quad Spray Pump
S-555-T	Gasket Repair Kit - For "Blue" Twin Spray Pump
115036	Gasket Repair Kit - For LM-1255 Pump
113717	Gasket Repair Kit - For LM-2450 Pump
111953	Gasket Repair Kit - For LM-4450 and L-4400-HS Pumps
111947	Gasket Repair Kit - For LM-4950 and L-4900-HS Pumps
115788	Gasket Repair Kit - For NGP-6050
115688	Gasket Repair Kit - For NGP-7050
115789	Gasket Repair Kit - For NGP-8050
115689	Gasket Repair Kit - For NGP-9050

Repair Kits for Pumps and Fittings	
Part Number	**Description**
113842	Fumigant Kit - For LM-2450 Pump
114638	Fumigant Kit - For LM-4450 and L-4400-HS Pumps
114899	Fumigant Kit - For LM-4950 and L-4900-HS Pumps
113016	Repair Kit - For L-4600 Pump
115041	Repair Kit - For Low Volume Irrigation Injection Unit
115404	Repair Kit - IN-1716-SA/SF, IN-1000-SA/SF
115283-91	Repair Kit - Pumping End Only - IN-1716-SA/SF, IN-1000-SA/SF0
70-1000	Repair Kit For 70-12 Flow Divider
71-1000	Repair Kit For 71-24 Flow Divider
106531	Repair Kit - For 105429 Hydraulic Control

***Gasket Repair Kit includes all gaskets and rubber seals; o-rings, piston seals, rod seals and crankshaft seals**

Anhydrous Ammonia Meter Gasket Repair Kits and N-Serve Check Valve	
104507	Gasket Repair Kit - For 104390 Electric Control for A-3310
104508	Gasket Repair Kit - For 104445 Electric Control for A-3910 and A-3911
104532	Gasket Repair Kit - For A-3300 Body
104533	Gasket Repair Kit - For 102926 Manual Control for A-3300
104534	Gasket Repair Kit - For A-3900 Body
104535	Gasket Repair Kit - For 103230 Manual Control for A-3900 and A-3901
110795	Gasket Repair Kit - For A-3901 and A-3911 Body
115143-91	N-Serve Check Valve has a seal that is compatible with N-Serve and anhydrous ammonia: prevents backflow of anhydrous ammonia into the N-Serve pumping system.

Includes all rubber seals.

Squeeze Pump Hoses and Miscellaneous Parts Squeeze Pumps are on pages 8-9.	
L-1265	Squeeze Pump Hose Kit - 6 Hose Set, 1/2" Hose
LA-1265	Squeeze Pump Hose Kit - 8 Hose Set, 5/16" Hose
87249	Squeeze Pump Hose - 1 Hose, 1/2" Hose
87250	Squeeze Pump Hose - 1 Hose, 5/16" Hose
A-3127-G	Gasket for Fill Valve
08-0010	3/8" Diameter Squeeze Tube for "B" Model Pump
08-0020	5/8" Diameter Squeeze Tube for "L" Model Pump
08-0015	Inlet Fitting Stainless Steel "B" Pump
08-0013	Outlet Fitting Stainless Steel "L" Pump
08-0021	Inlet Fitting Stainless Steel "L" Pump
08-0022	Outlet Fitting Plastic "L" Pump

Strainers and Strainer Components	
L-1116	Strainer - Fertilizer 1 1/4" Hose Barbs, Cast Iron
L-4001	Strainer - Fertilizer 1 1/2" Hose Barbs
L-1118	Strainer Screen - 30 Mesh, for L-1116 and L-4001
L-1118-12	Strainer Screen - 12 Mesh, for L-1116 and L-4001
L-3084-10	Strainer Screen - 10 Mesh, Small
L-3084	Strainer Screen - 30 Mesh, Small
L-3085	Strainer Screen - 10 Mesh, Large
A-3758-A	Sleeve Gasket - For A-3900 and A-3901
A-3238-A	Gasket - For A-3300
101266-01	Gasket Cap - For L-3080, L-3080-12, L-3120 and L-2120-12
101267-01	Gasket Cap - For L-1116 and L-4001
L-3120	Strainer - For LM-4950, Cast Iron, 30 Mesh, 2" Hose Barbs
L-3422	Strainer - Nylon, 30 Mesh

Operator Kits (Includes Manuals and Slide Rules)	
Part Number	**Description**
115390	Operators Kit - LM 1255 Piston Pump
115391	Operators Kit - LM 2450 Series Piston Pump
115392	Operators Kit - L-4400 Series Piston Pump
115393	Operators Kit - LM-4450 Series Piston Pump
115394	Operators Kit - LM-4950 Series Piston Pump
115280-91	Mounting Kit for LM and L Series Piston Pumps
115787	Operators Kit - NGP Series Piston Pump

Conversion Kits	
105429	Hydraulic Throwout Conversion Kit - For L-4400, LM-4450 and LM-4950 Series Pumps
113647	Hydraulic Throwout Conversion Kit - For LM-2450 Series Pumps
114103	Electric Conversion Kit - For LM-2450 Series Pumps
114104	Electric Conversion Kit - For LM-4450 Series Pumps
115155-91	Electric Conversion Kit - For LM-4950 Series Pumps (Must use LM-4955 Pump)

Miscellaneous Planter Kits	
114939	Universal Planter Mount Kit - For Squeeze Pumps; Includes L-1414-1, L-4414-1, L-1414 & L-4414; 10T, 15T, 26T & 32T Sprockets; 6T 1" Bore & 16T 1" Bore; 32T Split 7/8" Hex
115189-91	Grain Drill Mount Only for Diaphragm, Piston and Squeeze Pumps (includes mounting hardware)
115190-91	Countershaft without sprockets for 115189-01 Grain Drill Mount

Sprockets for Pumps without Clutch	
114516-01	12 Tooth Sprocket - RC 40, 1" Bore
113905-01	18 Tooth Sprocket - RC 40, 1" Bore
115156-01	18 Tooth Sprocket - RC 40, 7/8" Hex
114517-01	23 Tooth Sprocket - RC 40, 1" Bore
114932-01	32 Tooth Sprocket - RC 40, 1" Bore
114936-91	32 Tooth Sprocket - RC 40 Split for 7/8" Hex
114565-91	35 Tooth Sprocket - RC 40 Split for 7/8" Hex
113611-01	11 Tooth Sprocket - RC 50, 1" Bore
114677-01	14 Tooth Sprocket - RC 50, 1" Bore
113685-01	16 Tooth Sprocket - RC 50, 1" Bore
106532-01	18 Tooth Sprocket - RC 50, 1" Bore
115157-01	18 Tooth Sprocket - RC 50, 7/8" Hex
112773	24 Tooth Sprocket - RC 50, 1" Bore
105482-01	32 Tooth Sprocket - RC 50, 1" Bore
112774	36 Tooth Sprocket - RC 50, 1" Bore

"CDS-John Blue Company is an industry leader with significant name recognition and a superb reputation in the field. Our customers demand CDS-John Blue Pumps because they have proven to be a reliable and effective tool for the agricultural industry."

Ed Wunsch
Vice President
Big W Sales, CA

"We have come to use the word quality when we think of CDS-John Blue Company. From the irrigation injection pumps to the 3" cast iron centrifugal pumps, we believe they have the best products on the market today. The sales and service department they have are second to none. When we do have problems and can't answer questions their staff has always been willing and able to go the extra mile to help our customers get back in the field."

Darren Zerr
Store Manager
Schaben Industries, Kansas

"Southeast Farm Equipment Company has been an authorized sales and service dealer for CDS-John Blue Company for 24 years. We have been privileged to offer our customers the best liquid metering pumps and equipment the industry has to offer. CDS-John Blue Company offers dependable equipment with over 120 years of history. In addition to the excellent equipment the sales support staff in Huntsville is tops in the industry with knowledge and reliable service. Being part of the CDS-John Blue team is important to our organization as we grow in the future."

Charles L. Liles
President
Southeast Farm Equipment Company, NC

"We have been buying pumps from the CDS-John Blue Company for over 30 years. They have never given us a reason to look anywhere else because we never have to question the quality, durability and service we get from the pumps at CDS-John Blue. They are also a very progressive company that is not afraid to make the needed changes to keep their equipment at the top of the industry. Whether it is a piston, E-Z meter or centrifugal pump, CDS-John Blue is usually the pump that our customers demand."

Mickey O'Neill
Vice President Sales & Marketing
Wylie Manufacturing, TX

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