



# Variable Rate Hydraulic Drive Kits

## Precision Farming With Variable Rate Fertilizer Pumps



Precision farming can boost your yields and this is critical in today's Ag market. Through the years you have come to depend on the reliable CDS-John Blue Piston Pump for your accurate placement of liquid fertilizer.

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.**

116043-91  
Drive Mount  
Assembly  
with an  
NGP-6055  
and  
115907-01A  
(U-bolts)

### 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.
- Hydraulic 2-way bypass valve turns pump and liquid flow on and off.
- Hydraulic motor requires 10 gpm to run the piston pump at **maximum** rpm, but the system can be used at lower gpm's 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.

# We Have Several Variable Rate Hydraulic Drive Kits To Fit Your Needs

MODEL	DESCRIPTION
<b>VRH-JD-10</b>	<b>Variable Rate Hydraulic Drive Kit for John Deere CANbus Planters using GreenStar™ GS2 and GS3.</b> Includes: mounting bracket, chain, sprockets, hydraulic motor, servo 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.
<b>VRH-JD-15</b>	<b>Multi-Section Variable Rate Hydraulic Drive Kit for John Deere CANbus Planters using GreenStar™ GS2 and GS3..</b> Includes same as above except for harness to control up to 7 section valves. Other applications may work, but CANbus wiring must be present.
<b>VRH-MAN-10</b>	<b>Universal Rate Speed Control System.</b> Includes: manual flow control valve and optical tachometer (to set pump speed), mounting bracket, chain, sprockets, hydraulic motor with NPT ports.
<b>VRH-1000</b>	<b>Variable Rate Hydraulic Drive Kit using Trimble/Rawson Accu-Rate®.</b> Includes control wiring, hydraulic motor, sprocket, mounting bracket, idler bracket, chain, pump sprocket and all necessary bolts/hardware.

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



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