



Product Bulletin

PRECISION RATE CONTROLLER

PLANT WITH CONFIDENCE AND ADVANCED TECHNOLOGY

When you buy a hydraulic drive, you expect improved convenience, easier calibration, and variable rate capability. With the Veris Precision Rate Controller, you get the all the advantages of the new technology, plus the accuracy, responsiveness, and simplicity you've been used to with ground drive.



Veris PosiRate™ technology includes planting rate motor output shown on the cab console

VERIS PRECISION RATE CONTROLLERS—SMOOTH

Planting accuracy requires smooth rotation of the seed meters. Hydraulic motors can pulse and run erratically when not being operated in their target range—or “sweet spot”. As you change speeds or rates in the field, it's easy to get out of the narrow target range that plagues some hydraulic drives. You'll have no trouble hitting the Veris sweet spot—20 rpm to 300 rpm—widest range available. That means no pulsing—and no sprocket changes.



Here's why Veris drives are so smooth—a high resolution encoder and a large displacement motor running at low rpm.

VERIS PRECISION RATE CONTROLLERS—RELIABLE

During planting season, you have enough on your mind without worrying about the planter drive. The Veris Precision Rate Controllers feature the very best components and technology to keep you planting, season after



season. Large displacement hydraulic motors provide ample torque throughout a wide operating range. Pulse-width modulated proportional valves combine for quiet, cool operation. With

Veris, the only thing running hot is the hybrid you're planting.



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VERIS...FAST TO THE FIELD

Fast Installation...From unloading the drive out of the boxes to loading seed into the planter, this drive is easy to install. On popular planters all mounting brackets, shafts, and chains are included—everything you'll need is in the box!



Veris drives for Kinze Twin Line models feature a single motor and all the components you'll need to connect the drivelines. This design provides the simplicity of a single motor, with the advantages of PosiRate™ advanced technology, at less cost than a drive with two cheaper motors.

Fast Calibration...On many models, the calibration numbers are pre-calculated. For other models—or to verify a cal number, the Veris calibration procedure couldn't be easier.



Just enter your number of rows and row spacing, along with how many seeds you want to count for calibration. Count the seeds, tell the drive how many you counted, run it again, count—after a couple of iterations, the drive knows the rate you want and provides its own cal number.

Fast and Easy Operation...Turn it on. Press Engage. Plant. Press up/down arrow keys to change rates.



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Fast to Variable Rate...Planting populations may be varied manually by pressing the Up or Down arrow buttons on the Veris console. Or, create a prescription based on yield goal, soil EC, or other layers of information and vary the rates automatically. The Veris VR Drive interfaces with computer-generated maps from several popular software vendors.



Specifications and Standard Features

- PosiRate™ Technology:
 - 5.4 cu.in/revolution roller gerotor hydraulic motor, delivers 130 ft. lbs of torque at 2500 psi
 - 1024 pulse encoder
 - pulse-width modulated, pressure-compensated proportional valve
 - high-pressure canister filter
 - tractor requirements: closed center, pressure compensated or load sensed systems
 - hyd. pressure: min. 2250 psi, max. 3000 psi ; required flow: 12 gpm max., 4-6 gpm typical
 - hydraulic hoses
 - wiring cables and harness
 - cab console: compact design (3.25" X 6" face); sunlight-readable transfective display; serial cable to connect to PC recipe
- ### Options
- Speed sensing: radar (44.21 Hz/mph) or wheel pick-up
 - Point-row clutches



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