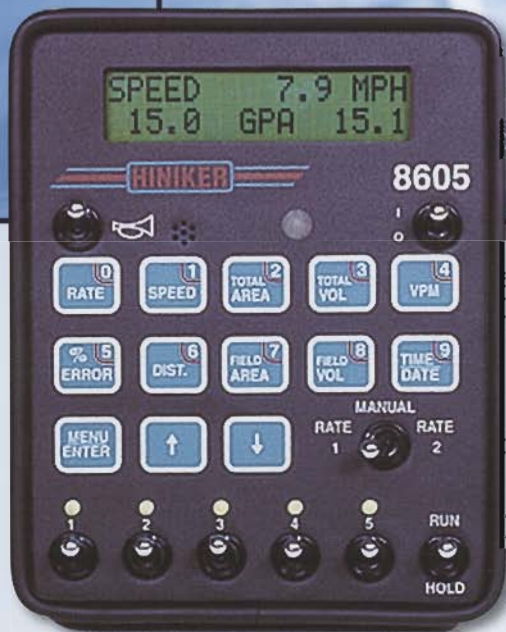




## 8605 AUTOMATIC RATE CONTROLLER



- Accurately controls crop chemical application rates.
- Combined with heat exchanger, provides *accurate measurement and control* of  $NH_3$ .
- Back-lit liquid crystal display.
- 10 Functions: View any two at once.
- Controls up to 5 boom sections using electric ball valves or solenoid valves.
- Improved response time with stepper motor servo control.
- Audible and visual alarms.
- Dual automatic rate settings are adjustable on the go.

### TAKE CONTROL OF ANHYDROUS COSTS



*More Accuracy, More Information, Proven Technology*

# SYSTEM COMPONENTS



## Stepper Motor Servo Valve 1 Inch Stainless Steel

The precision movement of this motor allows for pinpoint position of the valve for optimum flow control.

A **Stepper Motor** is a 12 Volt DC Brushless Motor which, when given a command from the 8605 Controller will move a precise and repeatable distance—one step is equal to one tenth of one degree (900 steps full open to full close).



## HM860 Flowmeter

The **HM860** is a precision stainless steel general purpose flowmeter. It is recommended for herbicides, insecticides, liquid fertilizer and anhydrous ammonia.

The operating range is 3 to 70 gallons per minute. Maximum pressure is 400 psi.

Other flowmeters are available for low application rates.



## Hub Plate Distance Sensor

The **Hub Plate Sensor** works on all implement wheels or non-driven tractor wheels.

Plates for four, five, six and eight bolt wheels are available.

Optional **radar interface modules** are available to connect the tractor radar system to the 8605 Controller.



## Heat Exchanger

The Hiniker **Heat Exchanger** is used for anhydrous ammonia applications. The **Heat Exchanger** condenses vapor into a liquid, allowing accurate measurement and control.

## GPS Ground Speed Sensor

- Simple magnetic mount
- WAAS enabled
- Two LED's indicate satellite lock and pulse output
- Accuracy immune to ground clutter or vibration
- Second output emulates radar signal for an additional monitor



# SYSTEM BENEFITS & FEATURES

- Selectable 2 line digital display of rate per acre, speed, distance, field volume, total volume, field area, total area, volume per minute, percent application error, time or date.
- Retains memory when disconnected from battery.
- Retains application data (field volume, field area, time, date) for 16 chemicals or fertilizers on 99 fields. 1584 memory locations.
- Simplified distance calibration.
- RS232 Communications port. Applications include variable rate input, transmitting data for as-applied mapping, downloading application data to PC or printer.
- Remote run/hold switch to automatically put the console into hold when turning.
- User-friendly step through programming.

WE RESERVE THE RIGHT TO AMEND THESE SPECIFICATIONS AT ANY TIME WITHOUT NOTICE. THE ONLY WARRANTY APPLICABLE IS OUR STANDARD WRITTEN WARRANTY. WE MAKE NO OTHER WARRANTY, EXPRESSED OR IMPLIED.



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