• 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.
**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.

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