

# HG 5500



■ **So many features yet so easy to use**



# HC 5500



HARDI Controller 5500 is more than a basic rate controller. It has many features that will enhance the liquid system on your sprayer and allow you to access more information on the work carried out. How could you work without it?



### Preset keys for everyday use

Changing the readout of vital information whilst spraying must be quick and easy. A series of presets for the readout of volume rate, speed, tank contents, area treated and total volume sprayed are at your fingertip. They will appear in the large format area of the screen.

### Preset keys become short cut keys

Values that need to be altered from job to job, like programmed volume rate, can be accessed by a short cut through the preset keys.

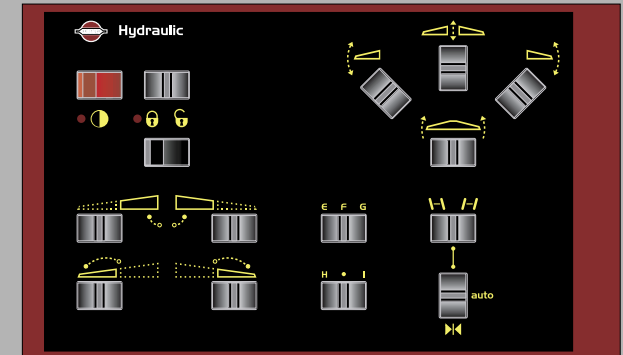
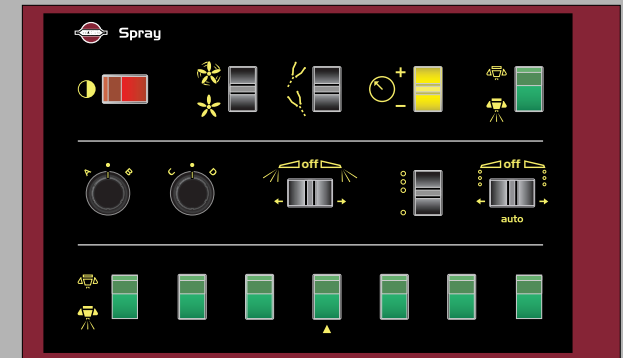
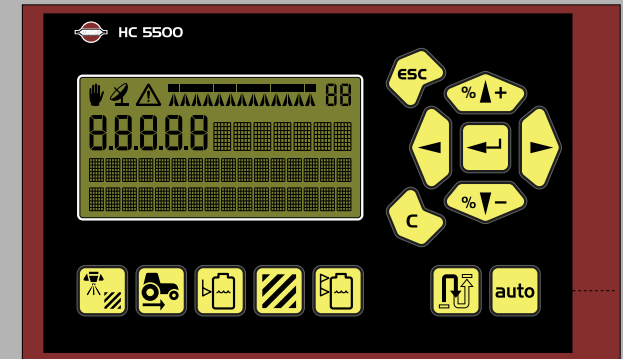


### Distance or area left readout

The guesswork of whether the tank will empty in the middle of a run is forever gone. The distance or area left is constantly calculated.

### AUTO key

The "hand" icon shows whether the volume rate is in automatic or manual mode.



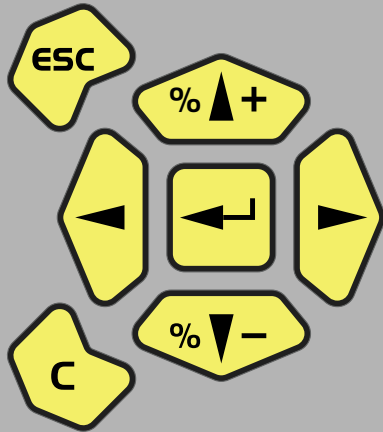


### Navigation keys

When spraying, the navigation keys can be used to change the volume rate in a set percentage or volume.

If used on a vineyard or orchard sprayer, they can be used to adjust to correct canopy measurements.

The navigation keys are mostly used to code in the initial values.

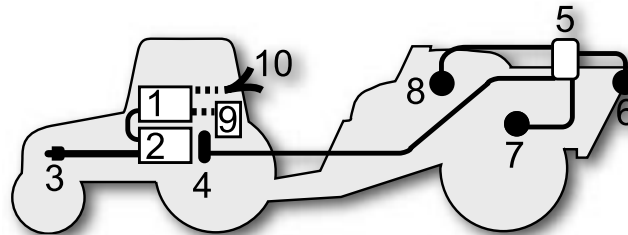


- To enter a menu or accept a value
- To scroll up or increase a value
- To scroll down or decrease a value
- To move the cursor to the right
- To move the cursor to the left
- To escape a menu
- To clear a value



### Sprayer computer components

1. HC 5500
2. Spray control box
3. Power supply
4. Cable to sprayer
5. Junction box
6. Flow transducer
7. Speed transducer at wheel
8. Fill transducer (optional)
9. Printer (optional)
10. Foot pedal switch (optional)



### Options

#### A. 12 Volt printer

Looking for a quick way to hard copy the register data? This printer only takes a few seconds to record the data.

#### B. Area meter transducer

For accurate area count when not using the sprayer. Stops counting when the implement is not in use.

#### C. Foot pedal switch

If you are spraying at higher speeds, it is best to use both hands for steering. The foot-operated switch is a remote for main ON/OFF function.

#### D. End nozzle kit

Ideal for spraying fence-lines. The HC 5500 registers the increased width and flow.

#### E. Pressure transducer

If you find it annoying to look back every time you want to check the pressure, then this reliable transducer is your answer. It reads up to 10 bar with one decimal accuracy.

#### F. Bracket kit

A handy option if you use the HC 5500 in more than one tractor.

# HC 5500

# HARDI – A global specialist in crop protection

HARDI INTERNATIONAL A/S is an international group whose basic idea is to satisfy the user requirements for quality products ensuring efficient and responsible application of crop protection products.

With production and development at 5 locations throughout the world and a worldwide distribution and service network, we maintain our global dominance through continuous research and development and constant focus on quality end user needs.

## MISSION

To promote efficient and responsible plant care in order to support quality plant growth and food production



### HARDI product development

Throughout the development of new HARDI sprayers, all items are structurally analysed utilising state of the art engineering software. The 5 development centres throughout the world work closely together in order to meet local demands and profit globally from our local presence. All developments undergo a tough internal testing both on test tracks and actual in-field conditions.

### HARDI innovation

With our focus on research and development we have registered a large amount of significant patents. Being the trend-setter in the industry, we continue our dedicated research in application technology.



### HARDI quality

Investments in our state of the art production facilities are continuous, ensuring the ongoing optimisation of production processes. HARDI produces 90% of all components in order to ensure quality and optimal performance.

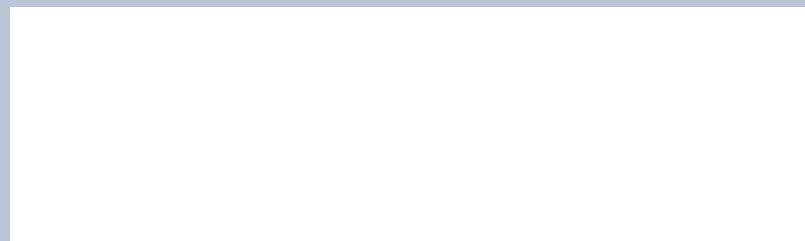


### Superb surface treatment

The high technology surface treatment contains 13 treatments, including a zinc-phosphate pre-treatment and powder coat painting of all major components. Together with the Delta/Magni treatment of nuts, bolts and other items, we supply high corrosion protection of our products.

### HARDI service and support

A key point in our distribution and sales support is a thorough and detailed training of dealer and service staff. We hold a large number of training courses on our premises. We use the latest technology in the distribution of information like PC and Internet technologies. Because of our size and global presence with local distribution, spare parts and information can be provided anywhere in the world.



*HARDI reserves the right to change the specifications without notice. Illustrations shown may include optional extras and accessories.*



*HøjeTaastrup, Denmark*



*Nørre Alslev, Denmark*



*Spain*



*France*



*USA*



*Australia*







# HC 5500



1:1

# HC 5500

### Full integration

It is so simple to fit. The design is fully integrated with the other control boxes so the HC 5500 is the natural choice for your HARDI sprayer. It typically takes only one cable connection to connect. The sprayer control box already has the necessary plug.

### Compact display with freedom of placement

The HC 5500 is small enough not to clutter the tractor cabin. It can be located independently from the controls. It is logical to locate it in the line of travel while the controls can be located close to the operator.

### Large clear screen

The black text on green background is easy to read, even in bright sunlight. The 10 cm x 5 cm can show more than 5 lots of information simultaneously. The screen has back-lighting for night time spraying.

### Crucial information in large format

Vital on-the-go information is displayed in a larger format so it is easier to read.

### Quick start to go spraying

A one page Quick Guide is enough to get you spraying. An in-depth explanation of functions and possibilities can be fully explored, step by step, in the comprehensive operators' manual.

### Quick to attach

It takes only a couple of seconds to set the equipment in the tractor cabin. The turn of a wing bolt is all that is needed to secure the HC 5500 and controls.

### Audio and visual alarms

Alarms can be set to warn of incorrect volume rate, low tank contents, excessive speed and for optional transducers e.g. high or low pressure if a pressure. A warning is also given if a boom section is left switched off.

### No battery for memory

HC 5500 does not rely on batteries to maintain the memory when the power has been disconnected. This simplifies storage.

### Spray with and without HC 5500

As extra security, it is still possible to continue spraying even if the HC 5500 is removed from the sprayer.

### Advanced farming ready

The volume rate may be supplied from an external source e.g. a site specific application map or a remote sensor. An icon on the screen will indicate when this is active.

### Registers, hard copy and data transfer

Up to 98 registers with real names can be used. A copy of the register information and HC 5500 configuration can be made with a 12 Volt printer. It is also possible to transfer the data to an office PC.

### Unit Canopy Row for vineyard and orchard sprayers

A unique method of application is possible. On-the-go adaptation to the tree canopy ensures the correct rate is applied.

### Auto Foam marker

To ease operation of the HARDI Foam marker, the HC 5500 can be set to turn it on an off and switch sides automatically. Status is shown on the screen.

### Auto ON/OFF

The main ON/OFF can be set to open or close at a certain speed. This allows the operator to fully concentrate on driving.

### Menu location identification

Once a menu is opened, a number is shown for every menu. This is a great aid to identify your exact location in the menu system.

### Changes of volume rate

The HC 5500 can be programme to increase or decrease the volume rate in freely chosen percentage steps or 3 different rates.

### Clock and alarm function

Includes date, time of day, stopwatch and an alarm.

### Toolbox menu

This menu is a collection of helpful items. These include distance measurement, a stopwatch and alarm clock, service interval readout and a diagnostic components check.

### Logbook menu

This menu groups all data collection methods. It includes printing to a 12 Volt printer and data dumping to an office printer. This could be done, for example, using the HyperTerminal function in Microsoft Windows.

### Minimum speed and pressure setting

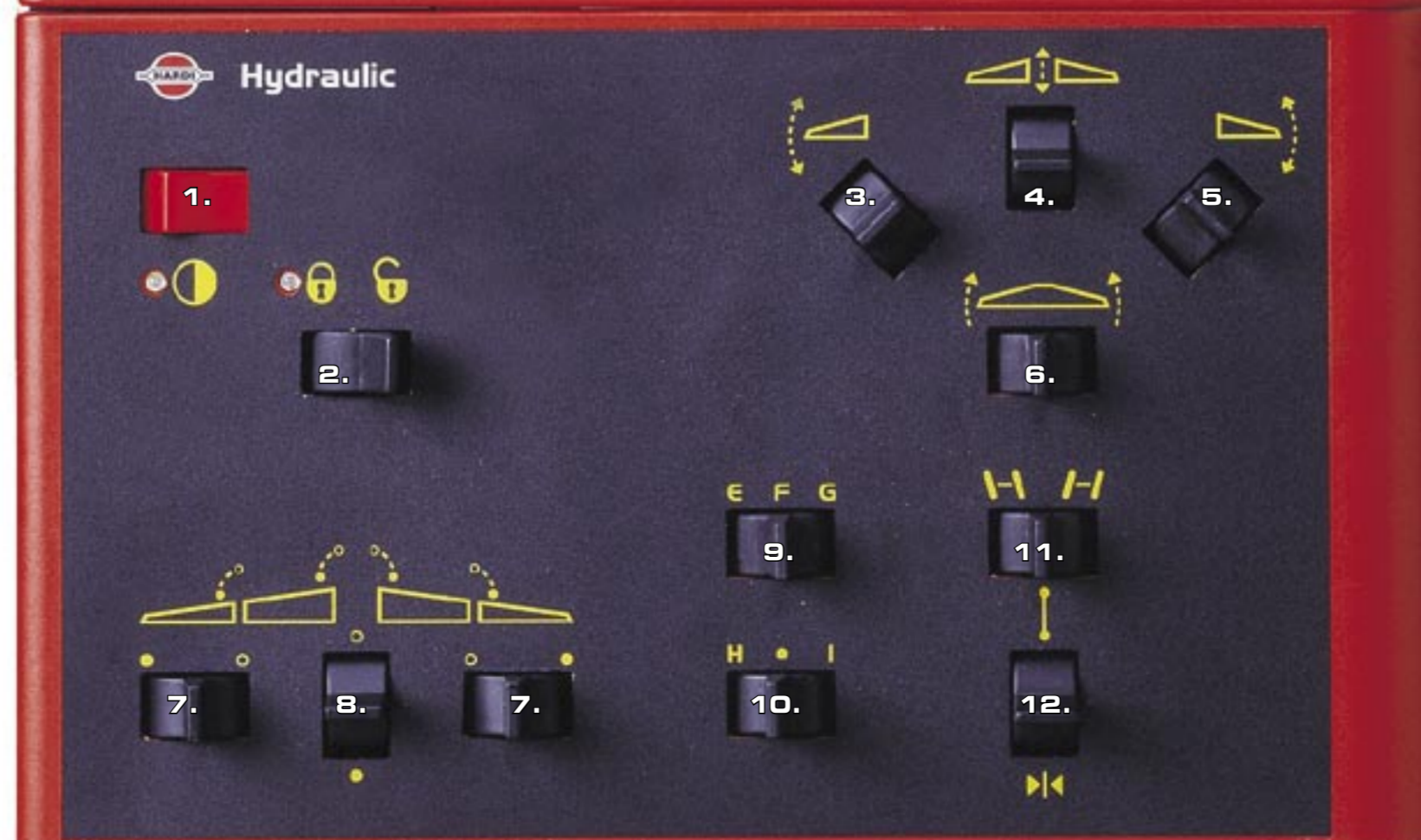
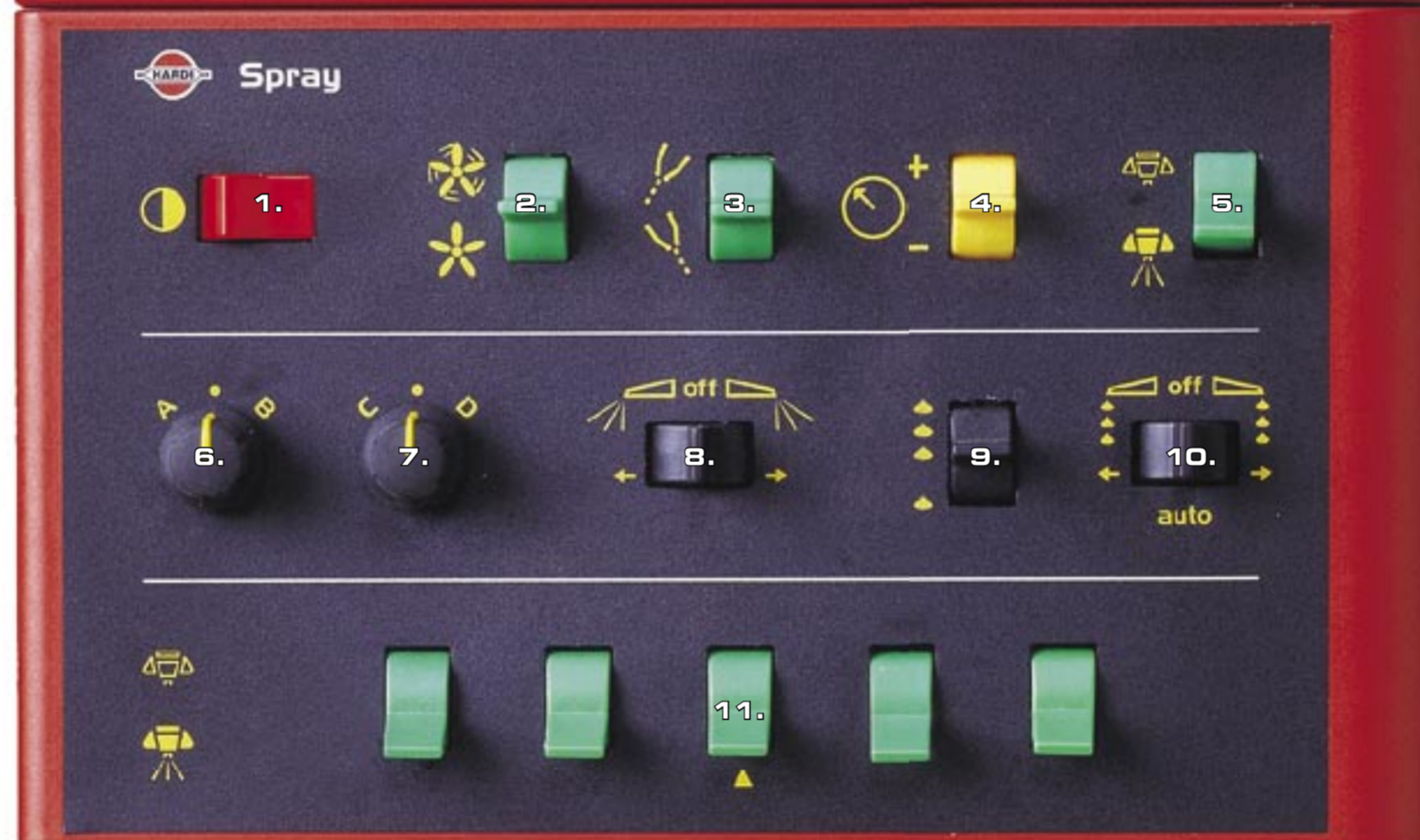
The pressure regulation valve can be automatically prevented from regulating under a set speed or pressure. This prevents a poor spray pattern from the nozzles.

### Service intervals

Sprayer service reminders are displayed when the service interval is due.

### Nozzle check interval

Nozzles do wear and once the limit is reached they should be changed. This can be easily forgotten or overlooked. After a certain number of hours, a reminder to check nozzles is displayed.



## HC 5500

Readout:

1. Boom section status.
2. Active register (area trip).
3. Large format readout of volume rate, speed, tank contents, area treated and total volume sprayed, distance or area left.

Status for manual spraying, external rate and service interval reminders are also shown when relevant.

The third and fourth line can be set up by the operator to show the following:

- Programmed and actual volume rate.
- Flow rate.
- Optional transducer readout.
- Actual time.
- Work rate.
- Actual volume rate.
- Actual tank contents.
- Actual speed.
- Volume and area covered.
- Active boom width.



## Spray box

1. Power switch
  2. Air volume (TWIN only)
  3. Air slot (TWIN only)
  4. Manual pressure regulation
  5. Main ON/OFF
  6. Valve function A-B\*
  7. Valve function C-D\*
  8. End nozzle ON/OFF\*
  9. Foam marker regulation\*
  10. Foam marker ON/OFF\*
  11. Boom section valves
- \* Optional equipment



## Hydraulic box

1. Power switch
  2. Pendulum or trapeze control
  3. Tilt left
  4. Boom up & down
  5. Tilt right
  6. Boom slant
  7. Boom outer fold
  8. Boom inner fold
  9. Options control, E-F-G\*
  10. Options control, H-I\*
  11. Tracking control, manual
  12. Tracking, automatic, centre position\*
- \* Optional equipment

