



More capacity and intelligence

MEGA

1200 / 1500 / 1800 / 2200



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1200 / 1500 / 1800 / 2200



Easy operation – Full performance

Spray faster and carry more liquid. The MEGA sets new standards for lift-mounted sprayers. With its sleek and modern design and unparalleled comfort for the driver, we have designed a machine that will keep you spraying all day.

Minimum downtime

With the introduction of the SmartCom digital platform, we are not only offering you a fully ISOBUS-controlled sprayer, but also a

minimum of downtime. Through diagnostics, our service team can assess the health of your machine to get you up and running quickly. The platform also supports the liquid system, thereby allowing faster spraying speeds with higher volume rates.

Superb comfort

When in the field, the AirRide suspension will reduce shock loads on the machine, resulting in a more stable boom and higher comfort for the driver.





TurboFiller – Fast and easy filling

With its user-friendliness, high capacity and fast filling speeds, the unique TurboFiller creates a powerful liquid circulation in the hopper and mixes all types of chemicals quickly and safely.



Full ISOBUS – Full flexibility

Thanks to the SmartCom platform, the HARDI MEGA is fully ISOBUS-controlled, giving you the freedom to choose your own terminal.



AirRide suspension for impressive comfort

For your unparalleled comfort, both in the field and on the road, the lower linkage-mounted AirRide suspension is permanently active.



SPECIFICATIONS

- › **Tank sizes:** 1200, 1500, 1800, 2200 l
- › **Controllers:** HC 7500, HC 8600, HC 9600 or ISOBUS
- › **TurboFiller:** High capacity, easy to operate
- › **Liquid system:** DynamicFluid4
- › **Chassis:** High-tensile steel chassis
- › **PRO booms:** Compact, vertically folded booms 15-18 m
- › **VPZ booms:** Strong and rigid booms, due to the lattice boom structure, 20-28 m

- › SmartCom ISOBUS platform – Full flexibility
- › AirRide – Air suspension for unparalleled comfort and boom performance
- › DynamicFluid4 – Fast reacting, high-capacity fluid system
- › WorkZone – Easy to operate manifold system

WorkZone

Easy operation

The MEGA has been designed with a strong focus on user-friendliness and ease of operation, with the WorkZone being a fine example. In this area, everything you need to operate the sprayer is available, with all primary functions placed in easy-to-reach positions. The WorkZone is designed to be simple and logical to operate.

CleanWater tank for hand washing

The 15 l tank is integrated into the design of the WorkZone to ensure easy access and operation.

Easy access to the tank lid

The lid is located close to the ladder, on the right side, allowing easy inspection of the tank. Additionally, the tank is designed to give the operator excellent visibility of all tank walls.

Excellent service access

To aid service accessibility, the majority of electronic components and connections are located in a box behind the main tank, well protected from chemicals and the elements.

Easy access to filters

To ensure easy reach from the ground, the EasyClean suction filter is placed on the right side of the machine and the Cyclone pressure filter on the left.

Protected placement of gauges

With excellent visibility from the tractor, well-protected gauges to monitor the suction filter and pressure are mounted at the front of the sprayer as integrated components of the CleanWater tank.

SafetyLocker

For easy access within the WorkZone, we have located the SafetyLocker on the left side of the MEGA.

RinseTank – Safe and efficient cleaning

To enable safe and efficient cleaning in the field, we have added a 170 l RinseTank on the right side of the MEGA.



Left side of WorkZone

1. Manifold valve – pressure
2. Agitation valve
3. Manifold valve – suction
4. PumpFiller coupling
5. TurboFiller
6. TurboFiller operating unit
7. Cyclone pressure filter
8. SafetyLocker
9. Pressure regulation valve – DynamicFluid4
10. Pressure empty coupling

Right side of WorkZone

11. EasyClean suction filter
12. RinseTank

Front of WorkZone

13. CleanWater tank



TurboFiller – Fast and easy filling

With its user-friendliness, high capacity and fast filling speeds, the unique TurboFiller creates a powerful liquid circulation in the hopper and mixes all types of chemicals quickly and safely. The cleaning of containers and the TurboFiller itself are managed by a high-pressure, rotating nozzle and a separate hand lance for larger containers.



DilutionKit – Easy cleaning of spray lines

Without leaving the driver's seat, the DilutionKit allows you to flush and rinse the boom and tank together, or the boom alone. All return lines and agitation will be flushed when spraying the diluted liquid from the main tank.

The fluid system



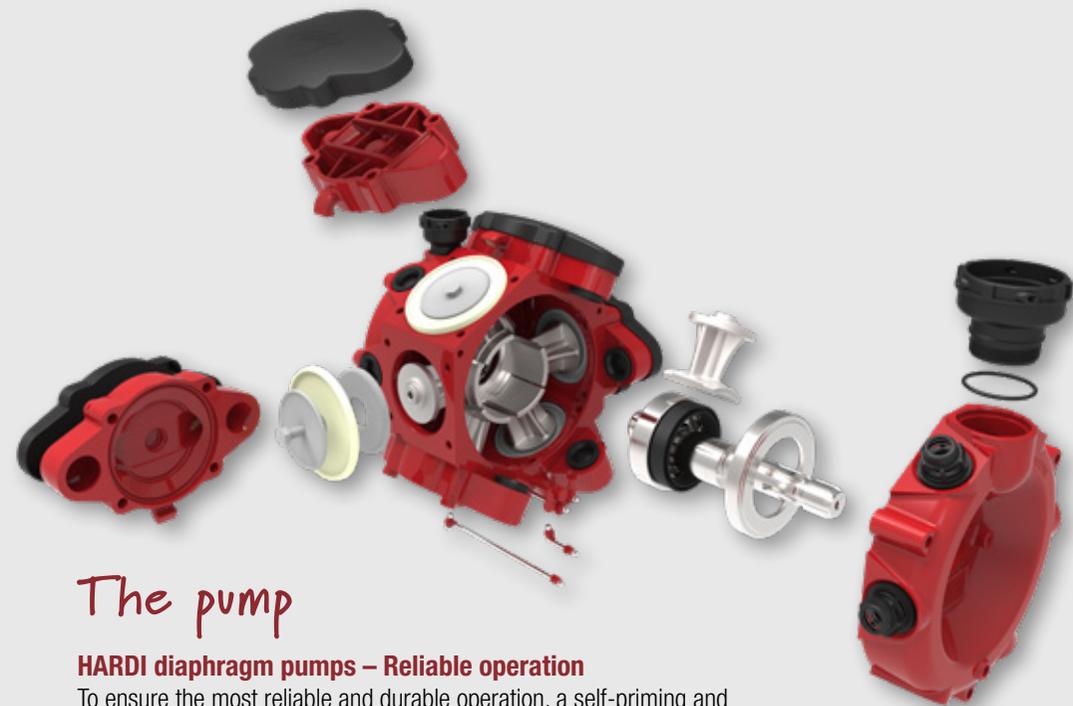
DynamicFluid4

Faster spraying speeds – less downtime

To give you the most precise application rate, and to minimise the amount of chemicals needed, 4 sensors in the fluid system measure RPM, flow, pressure and the position of the regulation valves. By calculating the consequences of changes, the system is constantly prepared for the next change. To avoid downtime, the system will still run with a defective sensor. We call it the DynamicFluid4.

Stability and safety

The 4 sensors of the DynamicFluid4 each have their individual task, but they will also function as backups for each other to ensure continuous regulation. Manual regulation is always an option.



The pump

HARDI diaphragm pumps – Reliable operation

To ensure the most reliable and durable operation, a self-priming and easy-to-service, grease-lubricated HARDI diaphragm pump is driving the MEGA liquid system.

The diaphragms separate the liquid from the vital parts of the pump, such as its bearings and crankshaft, allowing the pump to run dry without damage.

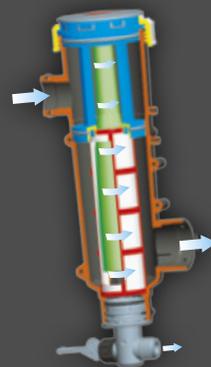
Powerful agitation

To avoid blind spots in the tank, Venturi nozzles are used to increase the input for agitation by approximately 4 times. The agitation concept has proven to be extremely efficient for both liquid and powder.

Cyclone pressure filter

To significantly increase the cleaning capacity of the filter, the self-cleaning CycloneFilter at the pressure side has a high-cleaning filter with a high-speed cyclone action.

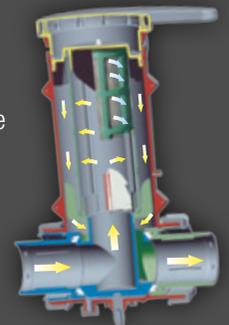
In addition, the CycloneFilter has a unique boost function, allowing it to be flushed when needed.



EasyClean suction filter

To make sure the EasyClean filter is cleaned when needed, and only when needed, the high-capacity suction filter can be constantly monitored via a safe spray vacuum gauge.

When cleaning the filter, all you have to do is to twist the lid 90°. This will close a main tank valve in the bottom of the filter and open the filter for inspection.



PRO and VPZ booms

– Durable booms in all sizes

The PRO 15-18 m and VPZ 20-28 m

To meet all spraying requirements, we have designed and manufactured the PRO and VPZ booms, utilising our knowledge and experience as the world's leading sprayer specialist.

The PRO booms 15-18 m have been equipped with an integrated AntiYaw dampening feature in the centre part to minimise the boom's yaw movements.

The VPZ booms 20-28 m have integrated AntiYaw dampeners on the boom wings, while the lattice boom structure ensures a strong and rigid boom; the bases for exact and uniform spray distribution.

The nozzles, spray lines and hoses are all well protected within the boom design, and a spring-loaded break-away section protects the tip of the boom.



Robust and stable boom

To secure a straight and reliable boom with minimal yaw movements, we have mounted locking devices between the different boom elements, essential for great performance in the field.



High boom lift – More flexibility

To give you a large span of boom working heights – from 50 cm to 210 cm – the VPZ booms are equipped with a long boom lift with a fast-reacting cylinder and hydraulic dampeners.

For even higher reliability, a hose-guiding channel has been mounted over the boom tilt.



Precise folding

Due to the design of our folding mechanism, the 27/28 m booms fold neatly to the same dimensions as those of a 24 m boom, always keeping the centre of gravity close to the tractor.

When in transport position, the boom is protected by a hydraulic dampener, and the whole sprayer benefits from the AirRide suspension's supreme shock-absorbing abilities.

The PRO boom

Known for its durability, the PRO boom with its reinforced boom hinges, ensures a steady boom in spraying position. The lattice structure ensures a strong and rigid boom; the basis for exact and uniform spray distribution. The nozzles, spray lines and hoses are all well protected within the boom design.

Besides offering a selection of boom widths from 15 m to 18 m, the PRO boom is also available with single-side folding and individual boom tilt for a more flexible boom.



Easy operation

Electro-hydraulic operation

To allow for easy and intuitive operation of the MEGA, all boom functions on the PRO booms 15-18 m and the VPZ booms 20-28 m can be electro-hydraulically operated from the SetBox.

Along with the primary spray functions, the HARDI Grip also controls in-field hydraulic functions such as boom height, independent tilting of individual boom sections and complete boom slanting.

Flexible folding

Since the MEGA is operated by direct hydraulics, only one double-acting outlet is required for 7 different operations.

The Z version offers several extra features, such as reduced folding, single-side folding and individual boom tilt.



Easy access to fluid system

The fluid system can be easily accessed at the WorkZone on the left side of the MEGA, and the EasyClean suction filter is within easy reach from ground level at the right-hand side.



AntiYaw – Minimal yaw movements

Our entire boom range is equipped with an AntiYaw device. The AntiYaw secures optimal spray application and minimises stress on the sprayer.

The AntiYaw is incorporated into the VPZ boom, and into the boom centre of the PRO boom.



AutoSlant – Better height control

AutoSlant offers automatic control of boom height and slant functions.

AutoSlant is available for the vertically folded VPZ booms 20-28 m. AutoSlant is integrated in the ISOBUS terminal.

AutoSlant



Easy coupling

The 2200 I version has a standard category 3 coupling, the 1200-1800 I can be ordered with category 2 or category 3 couplings.



AirRide suspension for impressive comfort

For your unparalleled comfort, both in the field and on the road, the lower linkage-mounted AirRide suspension is permanently active. This increases the work rate by isolating the shocks from the tractor, providing a more stable platform to spray from, thus improving boom stability and allowing for increased forward speed.

Time spent away from the field can also be reduced due to the higher road transport speeds allowed by AirRide and its superior operator comfort.

Controllers

Full ISOBUS control

HC 7500, HC 8600 and HC 9600

For maximum control of your spray job, HARDI is offering a family of 3 full ISOBUS terminals. With all important information gathered on one screen, in combination with the HARDI Grip and the SetBox, the operation in the field will be both fast and easy – especially on the HC 8600 and the HC 9600, which offer you fully integrated touch-screen interfaces.

Integrated electronics

By virtue of being integrated screens, thereby combining all the information needed, the driver can operate AutoHeight, AutoSectionControl as well as guidance and dosing.

The driver can also change view mode between 2D and 3D, and on the HC 9600 even activate split mode to divide the screen into two for a better overview.

Data management and data transfer

The USB ports and the WiFi adapter on the HC 8600 and the HC 9600 allow data to be exchanged. This simplifies application reporting, providing an easy way to generate detailed application reports for record-keeping as required by government. This data can also easily be transferred to different farm management software. The HC 9600 automatically creates an application report in a pdf-format, which can be saved, emailed or printed without additional software.

Use any ISOBUS terminal

The HARDI SmartCom platform is always ISOBUS-compatible, allowing the customer to use intelligent functions like AutoSectionControl directly from his own ISOBUS terminal, if supported. To ease the complex sprayer operation, the proven HARDI Grip and SetBox are standard features.

Feature	HC 9600	HC 8600	HC 7500
Dimension	12.1" (30.7 cm)	8.4" (21.3 cm)	5.7" (14.5 cm)
Mode of action	Touch screen	Touch screen	Button operation
ISOBUS Universal Terminal	●	●	●
USB ports	2 x USB	1 x USB	1 x USB
WiFi adapter	●	●	N/A
AutoSectionControl	●	●	○
Lightbar Guidance	●	●	○
Coverage Mapping	●	●	○
Data Logging	●	●	●
Variable Rate Application	●	●	●
Smart Report™	○	N/A	N/A
Boom Height Control	○ integrated	○ integrated	○ 3rd UT
AutoSteer Control	●	●	N/A
OptRx® Crop Sensor	○	N/A	N/A
Camera Support	○	○	○
ISO-XML Data Transfer	● out	● out	● in / out

● Standard ○ Optional



HC 7500



HC 8600



HC 9600



ISOBUS

SmartCom

Prepared for the future

The HARDI SmartCom – A future of plug-and-play with unlimited capacity

The intelligent HARDI SmartCom platform offers the user a full ISOBUS experience, meaning easy connection to tractors and controllers. The faster processor also offers you a more accurate and responsive liquid regulation system, as well as the ultimate steering system, thanks to faster response times.

We have prepared the HARDI SmartCom for online connections, so you will be able to connect to your favorite cloud solutions.

We have developed the new HARDI SmartLink cable to give the service staff the possibility of updating the sprayer, diagnosing errors and adding features, directly from the HARDI ServiceTool.

All in all, with the HARDI SmartCom, you are prepared for the future.



SmartCom benefits

- ▶ Full ISOBUS for easy connection
- ▶ Quick and easy diagnostics with the HARDI ServiceTool
- ▶ Prepared for remote diagnostics
- ▶ Faster and more precise regulation system
- ▶ Ultimate steering precision
- ▶ Prepared for cloud connections
- ▶ Faster processing time

Field mapping

Minimise chemical usage and costs



Higher precision in your spray job

Precision is the keyword when spraying, and for you to gain the highest precision, and to minimise the chemicals needed, the HC 9600 and HC 8600 controllers offers the possibility of using field maps from your preferred farm management software. In this way, you are able to shut off boom sections automatically based on the field map.

Field mapping benefits

- ▶ High precision
- ▶ Save chemicals
- ▶ Avoid overlapping areas



FrontTank



HARDI FrontTank

The HARDI front tank will give you extra options for your spray job, either as a nurse tank for bringing more water into the field, or combined with the main tank as one functioning unit.

The tank is made of high-impact polyethylene and has a liquid-free level indicator, located on top of the tank, for easy visibility from the driver's seat. The linkage is made for a category 2 front linkage.

Nurse tank solution

The FrontTank and frame can be used as a nurse tank solution. In the field, the water from the front tank can be sucked into the main tank, new chemicals can be added, and the spray job can continue without having to drive back to the filling station.

Chemical tank solution

By adding an agitation pump kit and an electric valve kit, the front tank can be used as a separate chemical tank. Thus, the operator can choose – from the comfort of the driver's seat – whether he wants to use the spray solution from the front tank or from the main tank.

In this scenario, the pressure empty function will be used for pumping liquid from the rear to the front tank. On the suction side, a remote S93 valve will be added. The return from sections and agitation is still active on the main sprayer, so the operator has to control that the main tank is not overfilled.

The front tank has, as a standard, a 135 l rinse tank. An optional 12 V pump enables continuous cleaning of the front tank.



Technical data

Tank size (net/gross) (l)	RinseTank (l)	Width (cm)	Height (cm)	Length (cm)	Weight (kg)
1200 / 1260	135	185	110	130	150
1500 / 1580	150	190	115	140	180

*The linkage is made for a category 2 front linkage.
National legislations regarding axle overhang, road safety equipment and front axle load should be considered.*

Optionals



464 Pump



Transport wheels



AirRide



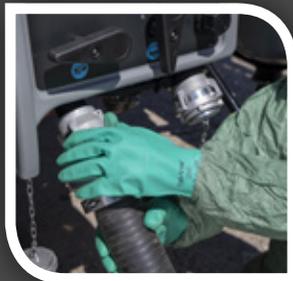
DilutionKit



HC 7500, HC 8600, HC 9600



FrontTank



Filling Device



InLine Filters



Boom Lights



External Cleaning



BoomPrime

Technical specifications

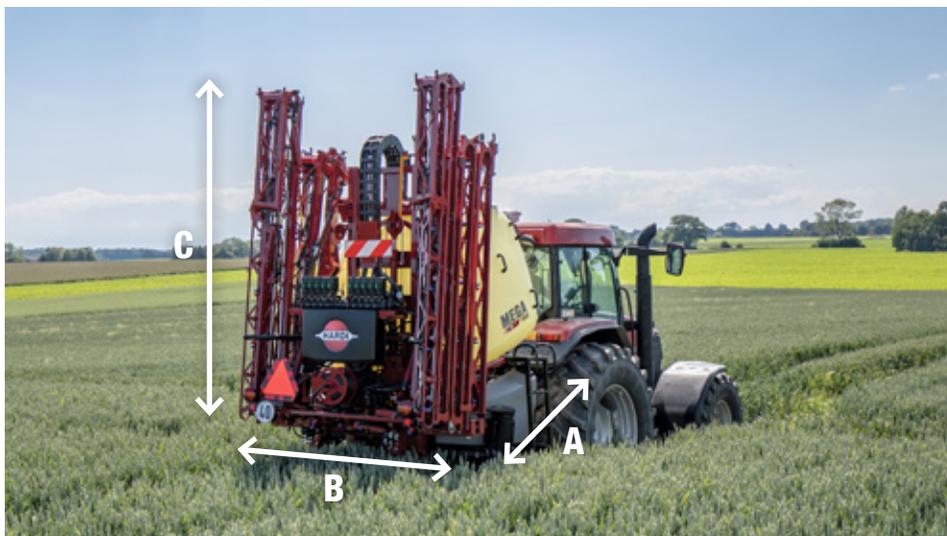
Tank size	1200	1500	1800	2200
Pump 364 (194 l/min)	•	•	•	•
Pump 464 (280 l/min)	•	•	•	•
RinseTank	170 l	170 l	170 l	170 l
CleanWater tank	20 l	20 l	20 l	20 l

Weight, kg (empty)

15 m – 16 m PRO	1256	1268	1312	1327
18 m PRO	1314	1326	1370	1385
20 m VPZ	1379	1391	1435	1450
21 m VPZ	1389	1401	1445	1460
24 m VPZ	1409	1421	1465	1480
27 m VPZ	N/A	1521	1565	1580
28 m VPZ	N/A	1531	1575	1590

Measurements, cm	A x B x C	A x B x C	A x B x C	A x B x C
15 m – 16 m PRO	151 x 234 x 288	151 x 234 x 288	221 x 234 x 288	221 x 234 x 288
18 m PRO	151 x 234 x 315	151 x 234 x 315	221 x 234 x 315	221 x 234 x 315
20 m VPZ	172 x 234 x 292	172 x 234 x 292	242 x 234 x 292	242 x 234 x 292
21 m VPZ	172 x 234 x 292	172 x 234 x 292	242 x 234 x 292	242 x 234 x 292
24 m VPZ	174 x 234 x 327	174 x 234 x 327	244 x 234 x 327	244 x 234 x 327
27 m VPZ	N/A	174 x 234 x 328	244 x 234 x 328	244 x 234 x 328
28 m VPZ	N/A	174 x 234 x 328	244 x 234 x 328	244 x 234 x 328

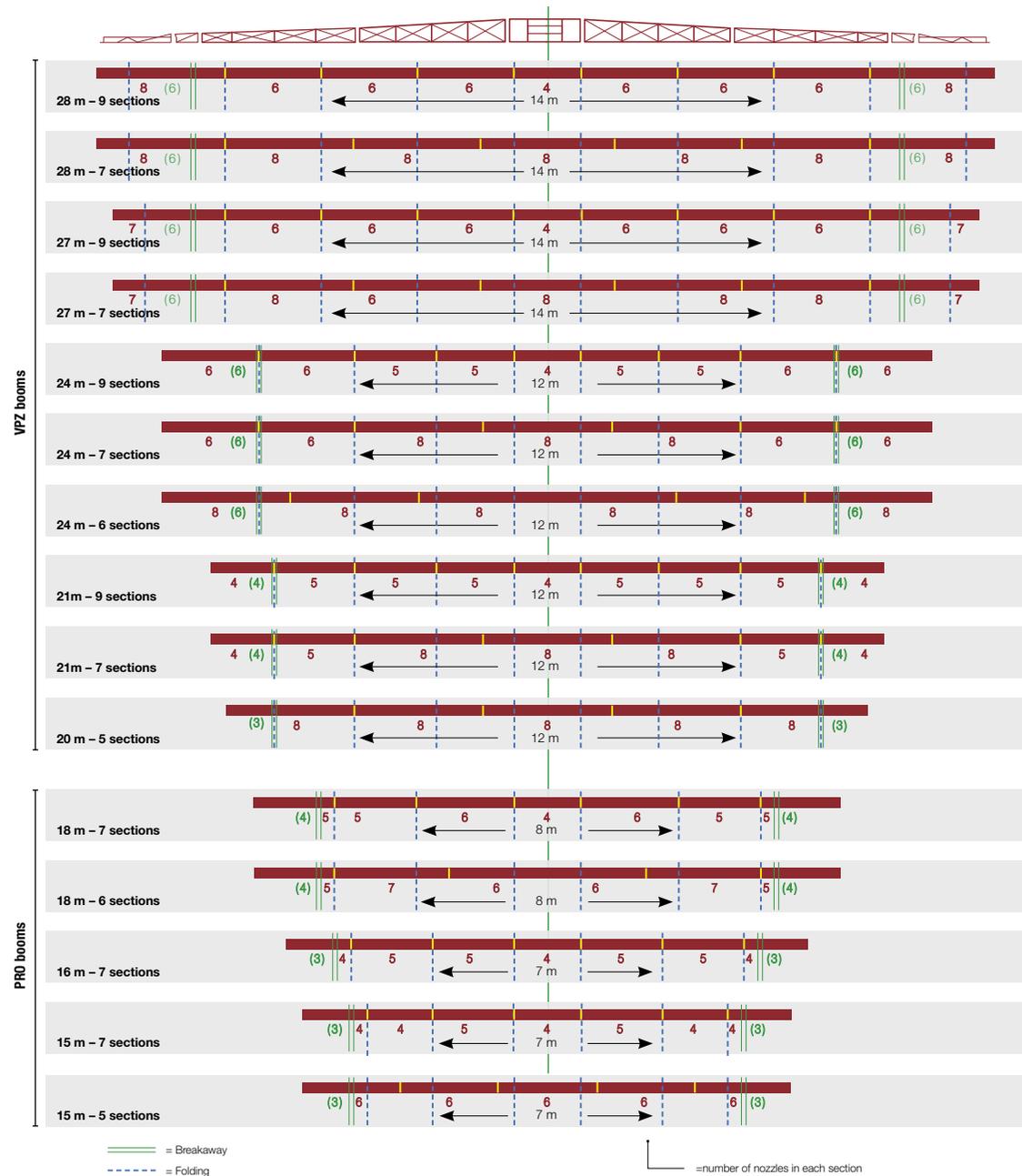
A = Total length in cm **B** = Maximum transport width in cm **C** = Total height in cm



Boom sections

The vertically folded VPZ and PRO booms have 3, 4 or 5 segments on each boom wing.

The drawing illustrates how many nozzles each boom section has, and where the booms are folded.





Nørre Alslev, Denmark



Lleida, Spain



Savigny, France



Noyers St Martin, France



Beaurainville, France



Davenport, USA



Adelaide, Australia

HARDI

The Sprayer

HARDI INTERNATIONAL A/S

is an international group whose objective is to satisfy the user's requirements for quality products, which ensure efficient, timely and precise application of crop protection products. Our world-wide distribution and sales networks comprise importers, agents and sales subsidiaries in more than 100 countries. These include Sweden, Norway, Denmark, France, Spain, North America, Germany, Australia, China and emerging market countries such as Russia and the CIS countries.

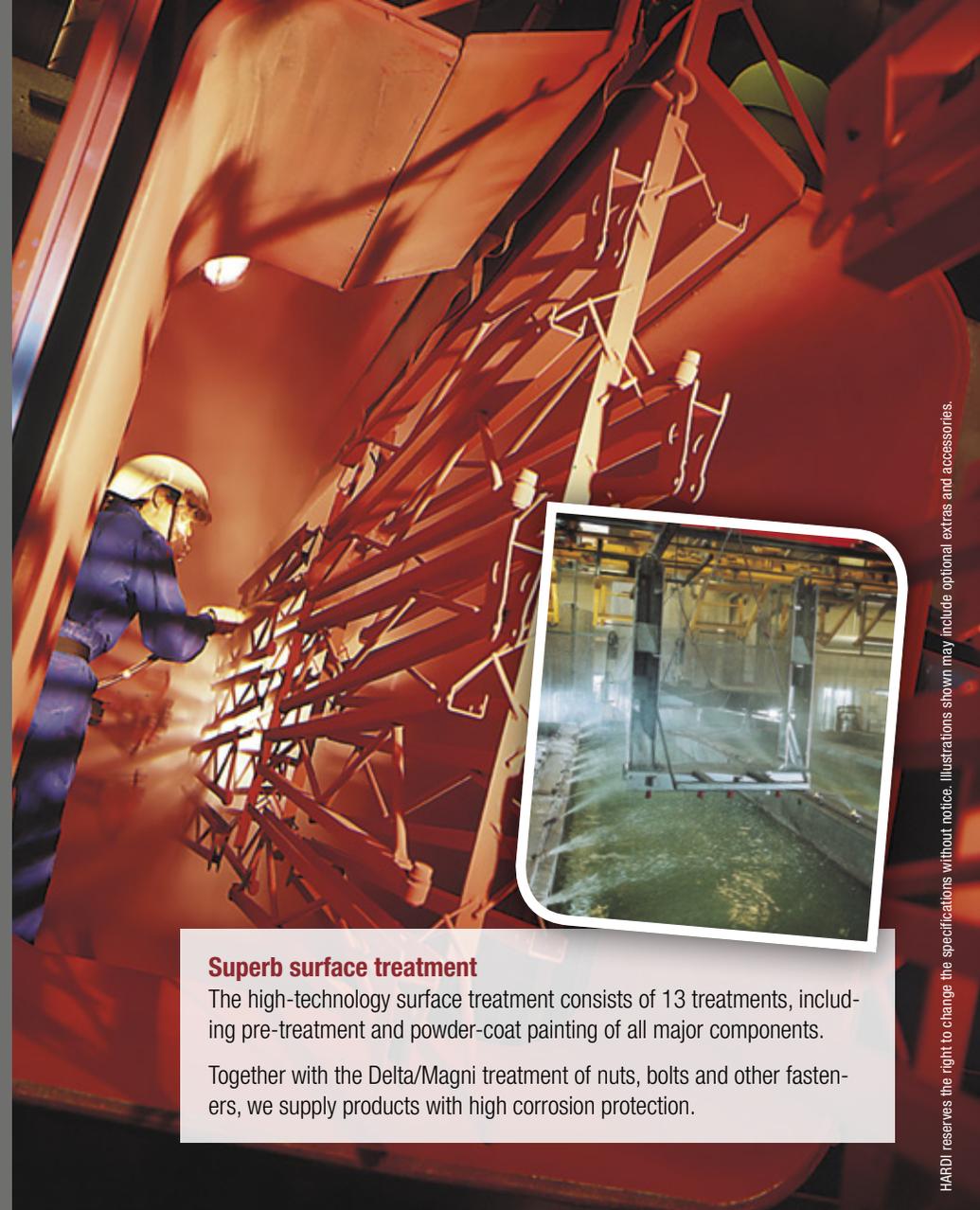
Since 1957, HARDI has responded to the ever-increasing demands for efficient and precise plant protection. HARDI, therefore, remains the trendsetter for application of crop protection products. To achieve this position, continued developments and innovation are essential. HARDI is committed to the long-term future of plant protection.

Testing procedures

Sprayers leaving HARDI INTERNATIONAL A/S are tested according to the strictest quality standards.

Our staff responsible for final testing are accredited to test and document national approvals and standards from Germany (BBA/JKI), the UK (NSTS), China (CCC) and Denmark, where HARDI also is approved to inspect sprayers.

This ensures that the highest quality sprayers are delivered to farmers.



Superb surface treatment

The high-technology surface treatment consists of 13 treatments, including pre-treatment and powder-coat painting of all major components.

Together with the Delta/Magni treatment of nuts, bolts and other fasteners, we supply products with high corrosion protection.

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



HARDI INTERNATIONAL A/S

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#HARDIsprayers

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