



RANGER

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Increase output with 2500 litre capacity, booms to 24 metres and spray on time with reliability you can count on.

RANGER is a heavy duty integrated sprayer suitable for row crop, cereals, pasture renovation and horticultural applications.

A completely integrated design delivering low centre of gravity, 70cm of crop clearance, 1.56 to 2.34m track width adjustment and paralift boom height control to 1.55m.

The tank shape provides excellent weight distribution and is designed for effective agitation.

A foot step and hand rail makes easy and safe access to the platform.



RANGER features

- 2500 L polyethylene tank
- EVC remote operation unit
- CycloneFilter
- ParaLift boom height control
- HC2500 or HC 5500 option
- 250 L RinseTank optional
- 35 litre TurboFiller optional
- Choice of EAGLE or PRO boom



Pump option

The fluid system is driven by a robust grease-lubricated cast iron 3 diaphragm pump delivering 114 l/m. An optional 6 diaphragm delivering 194 l/m for those higher rates of application.

Fluid System

The manifold fluid system has colour coded position icons to make operation easy.

The three-stage filter system of suction, cyclone and nozzle filters (optional) keeps the fluid system clean

Optional HC2500 or HC5500 controller provides precise application regardless of speed.

A 250L rinse tank option allows quick, easy in-field clean-out while the optional TurboFiller enables fast, safe transfer of crop protection products. Pictured left, with optional Filtered FastFill and chemical suction fitted



Filter system

The HARDI CycloneFilter with high speed cyclonic action increases the filtration system cleaning capacity significantly.



Filtered FastFill option

Filling from the ground can be conveniently carried out with the optional 1½" filtered fast filling system with fill valve and camlock coupling.

Application Rate Control

Pressure regulation and boom section valves are operated from the tractor seat with the SprayBox remote control.

Optional HC2500 or HC5500 controller provides precise application regardless of forward speed.

The HC5500 computer (pictured right) is a user friendly multi function processor designed to control more features and provide more information than comparable systems.

The volume rate is automatically controlled and can be changed on the go as a percentage of the prescribed rate. The LogicMenu and hot keys makes it easy to navigate and simple to use.



SprayBox cab control

Electric remote pressure regulation and section control from the cab with manual override in case of an electrical failure. Can be upgraded to HC2500 or HC5500 where application rate control is required



HC2500 rate control option

HC 2500 is the answer to basic application rate control and very simple to use. The volume rate is automatically controlled to the preset amount. By pressing the 'up' arrow the rate can be increased on-the-go.

Chemical mixing & transfer

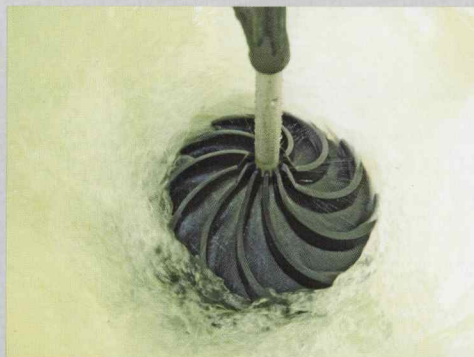
The optional TurboFiller and Granni Pot are used to transfer large quantities of powders and liquids to the spray tank.

They both utilise a combination of venturi vacuum and high pressure liquid rotation to effectively mix chemicals before they are transferred.

A built in rotating nozzle is used for cleaning and rinsing the containers and for cleaning the inside of the hopper.

There are no mechanical moving parts making TurboFiller and Granni Pot user friendly and maintenance free.

The 250L rinse tank option allows for quick, easy in-field clean-out.



TurbDeflector

High pressure through the TurbDeflector is used to create a powerful liquid rotation inside the TurboFiller to effectively mix powders and liquids before they are transferred.



Vacuum Granni Pot

Vortex mixing action for safe, easy transfer of crop protection chemicals. The Granni Pot is also equipped with vacuum attachment for closed chemical transfer system

Unrivalled boom ride

The EAGLE boom offers smooth ride in the toughest field conditions and is available in boom sizes from 15 to 21 metres.

The perfect choice for small to medium farming operations, the EAGLE boom design features a rugged two-dimensional structure with dynamically linked coil spring boom centre.

Paralift boom height control provides excellent clearance to 1.55m.

Nozzles are protected behind the boom structure and can be adjusted up and down to accommodate different types.



ParaLift boom height control

A parallelogram lift system provides fast boom height control, excellent boom stability and crop clearance. Lifts up to 1.55m depending on tyre equipment fitted.



Nozzle protection

Mounting brackets are adjustable to suit different nozzle types and to provide protection behind the boom structure.



Excellent stability

The EAGLE inertia based boom control and anti yaw dampening delivers excellent stability through cornering and headlands.

The boom wing sections are a large robust two dimensional construction.

Powerful cylinders mounted near the centre section fold the inner wings and simultaneously fold the outer wings by cable.

A non-directional spring loaded break-away system protects the boom from damage.

Individual wing tilt option is available for lifting the boom wing on headlands and over obstacle.



Premium nozzles

Precision made for precise applications. HARDI nozzles provide extended pressure range performance with spray qualities in 5 broad categories. MINIDRIFT nozzles fitted standard.



Section distribution valves

EVC electric remote pressure regulation and section control with constant pressure allows individual sections to be switched off while maintaining accurate application rates. Manual override in case of an electrical failure.

Options Available

- HC2500 & HC5500 Controller
- 250 L Flush tank
- Tank Rinse Nozzles
- TurboFill & Granni Pot Chem Filler
- Foam Marker
- Fence Line Nozzles
- Electronic Tank Gauge (HC5500)
- 1 1/2 Filtered Fast Fill
- Boom end guards
- Inline Boom Filters
- Mudguards
- Flush Taps
- Hydraulic Boom Wing Tilt
- Track Following Draw Bar
- Hydraulic Motor Drive for pump



Boom	EAGLE	
Tank, l (net)	2500	
Pumps, type – l/min	1303 - 114 or 363 - 194	
Booms, m	15, 18, 20, 21	
Hydraulic outlets needed (Y models)	2 double acting	
Hydraulic outlets needed (Z models)	1 double acting	
Weight drawbar (empty tank)*, kg	200	
Weight axle (empty tank)*, kg	1,540	
Weight total (empty tank)*, kg	1,740	
Total length, m	A	5.40
Total height, m	B	2.90 (11.2 × 38)
Width with boom in transport position, m	C	2.98
Track width, m	D	1.50 – 2.00
Length draw to axle, m	E	3.81
Ground clearance, m	F	0.70 (11.2 × 38)
RinseTank, l	250	

* Measurements: EAGLE 18 m



RinseTank
250 litres mounted at the rear over the axle to optimise weight distribution.



Tank Rinse Nozzle
Fast, efficient tank cleaning with optional rotating rinse nozzles.



Electronic Tank Gauge
Load cell sensor provides on-screen tank contents readout (HC5500 only)



In-Line filter
Easy service In-Line filters eliminate the need for nozzle filters.



Mudguards
Protects nozzles & sprayer form external dirt ingress in transport



Hydraulic drive
Ideal alternative to PTO shaft



HARDI Australia Pty Ltd

534—538 Cross Keys Road, Cavan
South Australia 5094 Phone: SA (08) 8343 9999
Email: info@hardi-aus.com
www.HARDI.com.au

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