

Operating Manual

AMAZONE

Comfort package 2 for **Pantera 4001**



MG4858
BAG0124.0 01.13
Printed in Germany

Read and follow this operating manual before putting the machine into operation. Keep it in a safe place for future use!

en



Reading the instruction

manual and to adhere to it should not appear to be inconvenient and superfluous as it is not enough to hear from others and to realise that a machine is good, to buy it and to believe that now everything would work by itself. The person concerned would not only harm himself but also make the mistake of blaming the machine for the reason of a possible failure instead of himself. In order to ensure a good success one should go into the mind of a thing or make himself familiar with every part of the machine and to get acquainted with its handling. Only this way, you would be satisfied both with the machine as also with yourself. To achieve this is the purpose of this instruction manual.

Leipzig-Plagwitz 1872. Rud. Sark.

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Spare part orders

Spare parts lists are freely accessible in the spare parts portal at www.amazone.de.

Please send orders to your AMAZONE dealer.

Formalities of the operating manual

Document number: MG4707

Compilation date: 01.13

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1 Product description

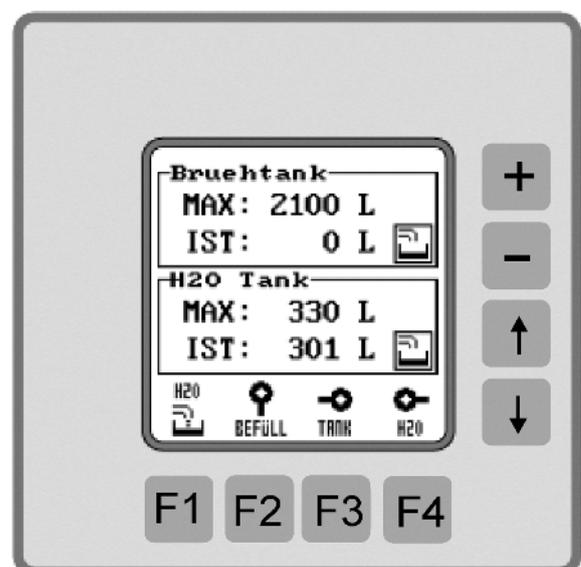
With Comfort Package 2,

- the field sprayer can be easily cleaned and filled in different manners.
- the spray liquid can be easily diluted while spraying.
- the spray liquid tank and the flushing water tank can be filled using the automatic filling system.

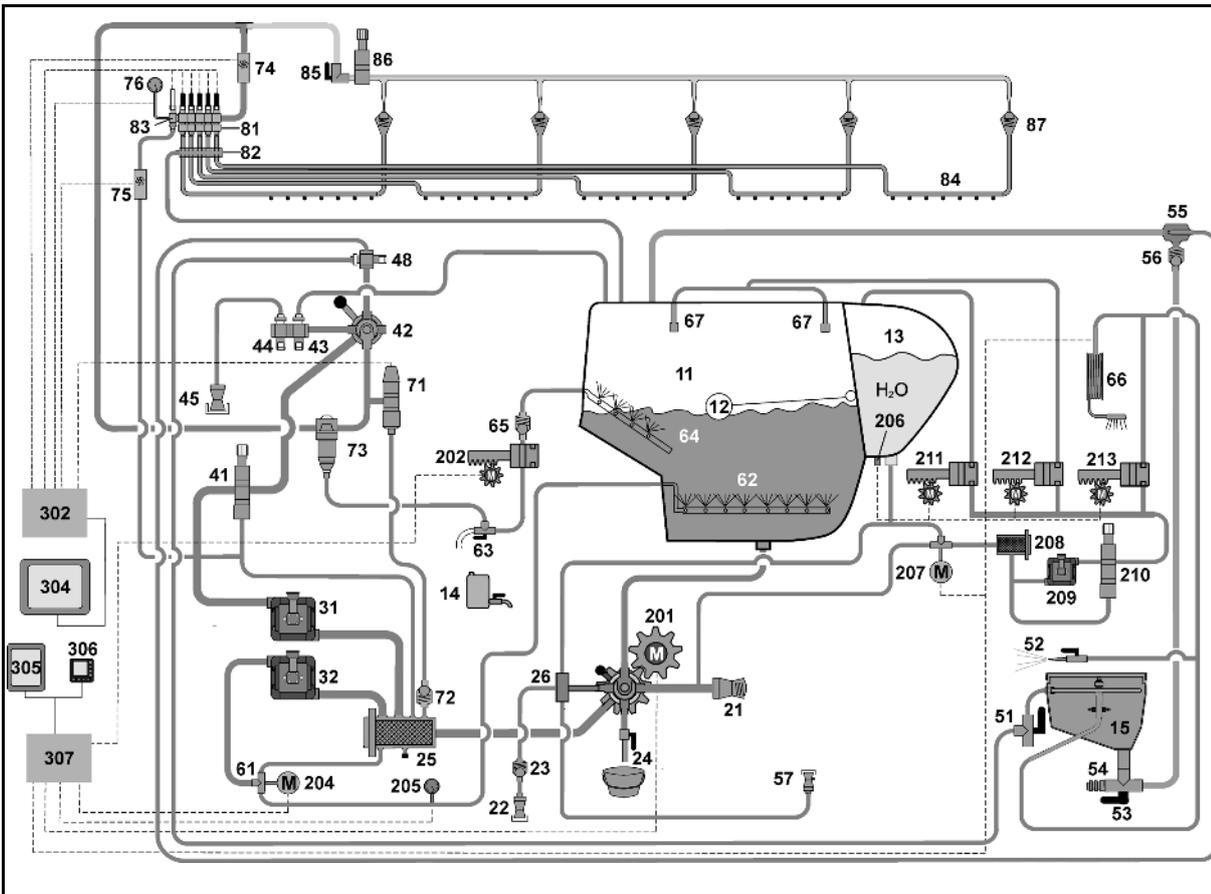
Comfort Package 2 is operated via

- the Amadrive
 - the Comfort menu
 - the Automatic filling system menu

- the operating terminal on the control terminal (for filling the spray liquid tank and flushing water tank).



1.1 Liquid circuit



1X	Tank	4X	Pressure side
11	Main tank	41	Pressure control valve
12	Filling level indicator	42	Pressure tap
13	Fresh water tank	43	Fill valve
14	Hand wash tank	44	Quick emptying valve
15	Induction bowl	45	2" quick emptying connection
2X	Suction side	48	Injector operation
21	External suction via 3" connection	5X	Induction bowl (ESB) & Injector
22	Filling with fresh water via 3/4" connection	51	ESB switch tap pressure
23	Clear water check valve (connection)	52	Spray gun
24	Drain main tank	53	ESB switch tap suction
25	Suction filter	54	Ecofill connection
26	Fresh water collector on the suction tap	55	Injector
3X	Pumps	56	Non-return valve - injector
31	Spraying pump	57	Ecofill cleaning foot
32	Agitator pump	6X	Cleaning & agitators
		61	Tap - main agitator

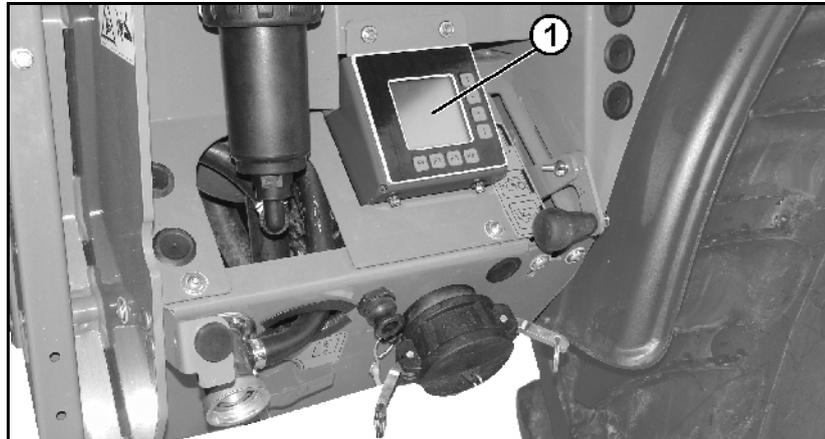


62	Main agitator	84	Spray line
63	Tap - secondary agitator	85	DUS tap
64	Secondary agitator	86	DUS pressure valve
65	Non-return valve - secondary agitator	87	DUS check valve
66	Exterior cleaning	2X	Comfort package 2
67	Internal cleaning	201	Suction cock
7X	Spraying operation	202	Auxiliary agitator motor valve
71	Pressure control valve	204	Main agitator electric motor
72	0.8 bar pressure stage (check valve)	205	Pressure sensor - main agitator
73	Pressure filter		Pressure sensor - fresh water tank filling level indicator
74	Flow meter 1	206	Motor valve, fresh water
75	Flow meter 2	207	Suction filter, fresh water
76	Pressure sensor	208	Fresh water pump
8X	Booms	209	Pressure control valve
81	Part width section valve	210	Motor valve, fill fresh water tank
82	Pressure relief channel	211	Motor valve, internal cleaning
83	Bypass valve	212	Motor valve, external cleaning and ESB
		213	

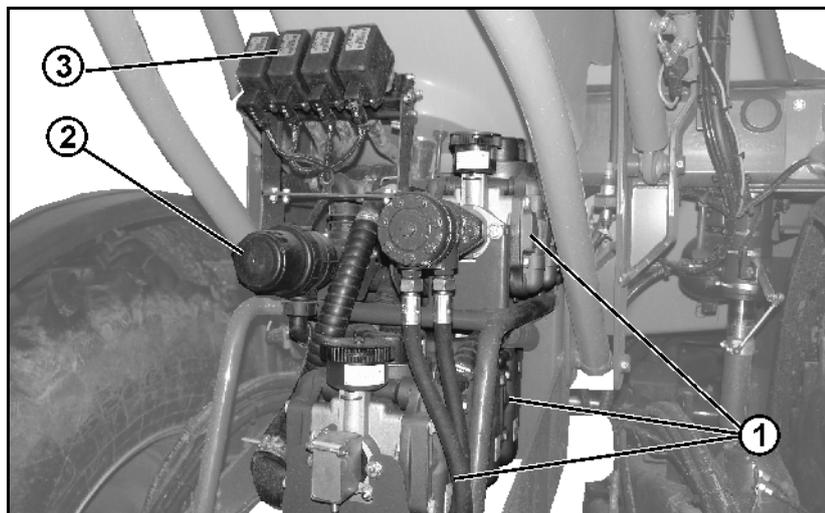
3X	Electronics
302	Base computer
304	AMAPAD
305	AMADRIIVE
306	Display, spray agent fitting
307	Control unit 3 (cabin)

2 Layout and function of the field sprayer

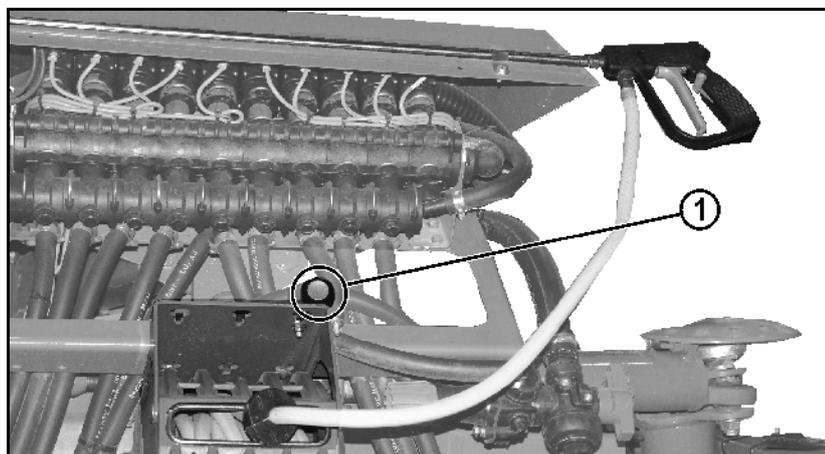
2.1 Comfort package 2 overview



(1) Operating terminal, filling



- (1) 3 pumps for spraying, agitating and supplying flushing water
- (2) Suction filter for flushing water
- (3) Electric valves for functions of Comfort Package 2



(1) Button for operating the exterior washing facility

3 AMADRIVE operating terminal with Comfort Package 2

Operating and display bar
 active → yellow not active → grey

3.1 Main menu

	Sub-menu	Quick access
Drive sub-menu with display and cruise control adjuster		10.5 km/h
Running gear sub-menu with display and current track width.		2.30 m
Spraying sub-menu with other sub-menus for operating the sprayer with Comfort Package 2.		490 U/min
Lighting sub-menu with operation of the work lights.		

The main menu is called back up in the sub-menu by pressing the respective button in the sub-menu.

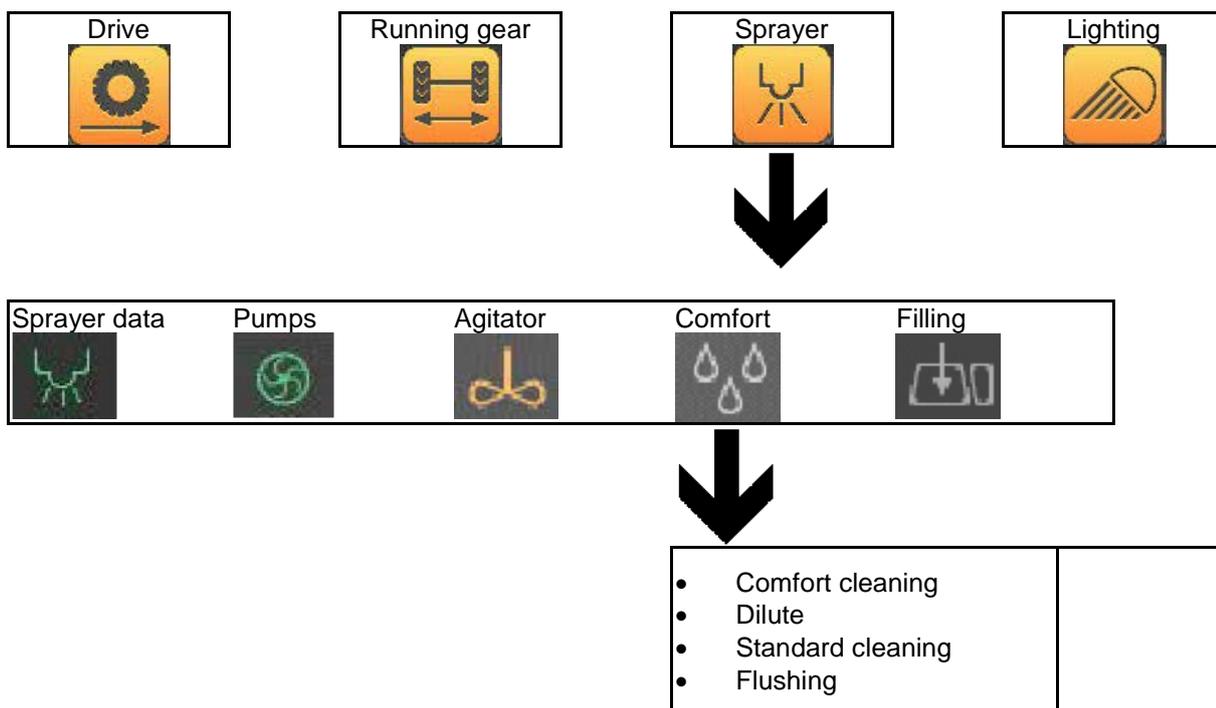
Quick access in the main menu allows the spontaneous switching of several functions without having to call up the respective sub-menu.

3.2 Comfort package 2 display

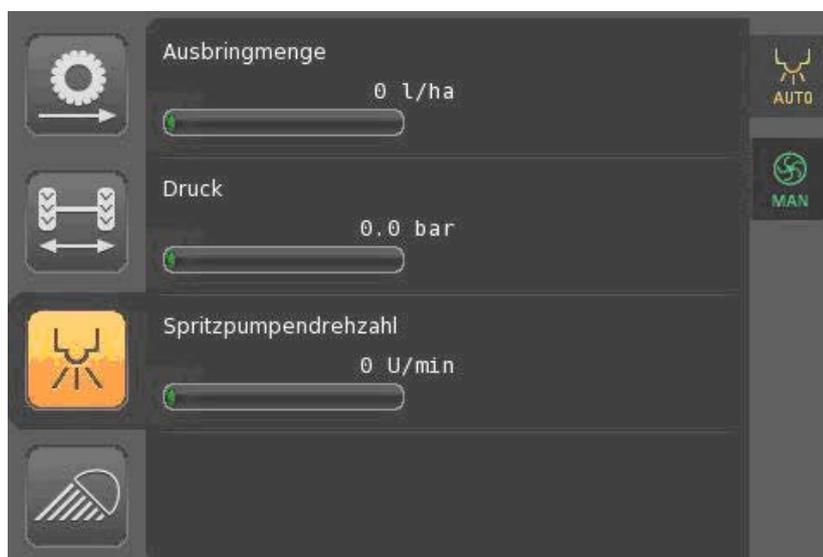


- Comfort function active
- Suction from the spray liquid tank
- Suction via suction hose
- Suction from flushing water tank

3.3 Menu structure overview



3.3.1 Sprayer data



Display the current operating data

- Application rate
- Spray pressure
- Spraying pump speed

3.3.2 Pumps



Setting the spraying pump speed

- Spray pump speed selection by pressing one of the five pre-assigned soft keys.

- Selection of the spray pump speed via  , .
- The spray pump speed set is displayed.

Setting the pump speed between 380 rpm and 540 rpm:

- Fast filling: 540 rpm
- For standard applications (~ 200 l/ha and ~ 10 km/h) without granules and fertiliser: 420 – 460 rpm
- In case of high demands on the stirring performance and application rates: 480 – 540 rpm

Assign softkeys with the desired spray pump speed:

1. Selection of number of spray pumps via  , .
 2. Keep one of the five assigned soft keys pressed for at least three seconds.
- Speed will be taken over and displayed.

3.3.3 Agitator



-  The agitator intensity is regulated depending on the filling level.
- 
 -   Adjust the agitator intensity to special requirements manually

3.3.4 Comfort with sub-menus



Comfort cleaning

When running the comfort cleaning, the complete machine is cleaned in several sections.

- The spreading of diluted spray liquid / cleaning water is carried out automatically during the comfort cleaning.
- The flushing water tank must be filled with at least 150 litres of water.



Start the comfort cleaning.



Dilute

When diluting, flushing water is pumped into the spray liquid tank.

1.   Enter the water quantity for diluting.
- The amount of water for diluting (blue) is displayed compared with the existing flushing water quantity (green).
2.  Start dilution.



Standard cleaning

- The spray liquid tank must be empty!
- 160 litres of flushing water are required.
- Agitator and tank are cleaned.



1. Starting the standard cleaning.
 - 160 litres of cleaning water remain in the spray liquid tank and can be spread.
2. Spray the content of the spray liquid tank to the area already treated.

Flush

The flushing is intended for cleaning the sprayer with filled tank when the work is interrupted.

1.   Enter the water quantity for flushing.
- Spread the spray liquid until water runs out of the nozzles.
- Machines with DUS: switch the sprayer on temporarily only as the spray liquid concentration is reduced via the DUS.
- The amount of water for flushing (blue) is displayed compared with the existing flushing water quantity (green).
2.  Start flushing and switch on the sprayer at the same time.
3.  Stop flushing.



3.3.5 Filling



The spray liquid tank and flushing water tank can be filled at the same time and separately via the suction hose.

1.   Enter the nominal filling level.
2.  Starting the filling process.
- The filling is interrupted automatically once the nominal filling level has been reached.



As an alternative, filling the spray liquid tank and flushing water tank can also be carried out on the control terminal from the terminal there.

4 Terminal on the control terminal

Displays on the terminal

- (1) Spray liquid tank volume
- (2) Flushing water tank volume

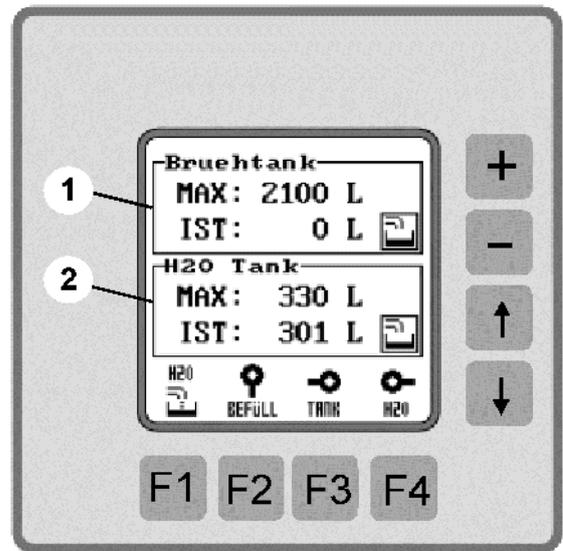
MAX: nominal filling level entered

ACT: current filling level

Keys on the terminal

- **F1** Fill the flushing water tank, interrupt filling.
- **F2** Fill the spray liquid tank.
- **F3** Suction from the spray liquid tank / filling interrupted.
- **F4** Suction from flushing water tank.
- **+**, **-** Enter the nominal filling level for tank selected.
- **↑** Select the spray liquid tank.
- **↓** Select flushing water tank.

(pressing twice → screen settings → pressing twice → filling menu)





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