

Sport-Thieme 'Champ' Wet Line Marking Cart

Thank you very much for choosing a Sport-Thieme product!

Please read the instructions fully before you assemble the equipment, so you can enjoy the product and safety is guaranteed. We are happy to answer any questions you may have.

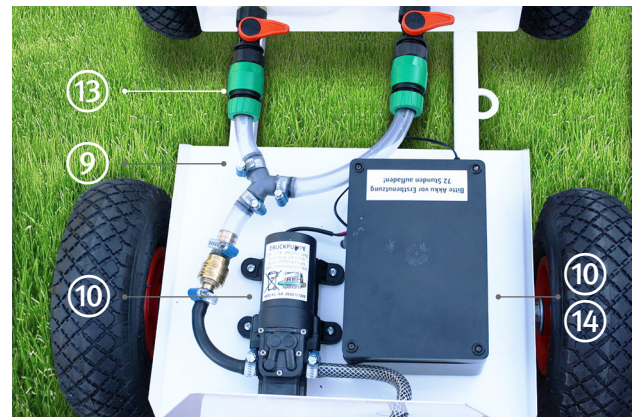


Content

- 1 x Wet Marking Cart „Champ“
- 1 x Guide Bar
- 1 x Colour Hopper M. Strainer
- 1 x Alignment Plates (2 pcs)
- 1 x Dirt Cover Hood
- 1 x Electric pump, battery (lead gel battery) with battery charging cable
- 1 x Operating instructions

Device Description:

Wet marking cart with electric pump system. The suction or the suspension for the „Champ“ wet marking cart is generated by an electric pump and is equipped with an automatic shutdown when the operating lever is closed. The power is generated by an electric pump (12V, 2.1 A) and has a flow rate of 2.6 l / min. The pump pressure is 4.8 bar. The pump can be conveniently operated via an ON/OFF switch on the guide spar. The spraying device is arranged at the front in the field of view and can be easily operated by a hand lever on the guide spar. The line width is adjustable to 50 to 120 mm. The cart has 1 plastic water tank with a capacity of 13 litres with its own regulating or outlet stopcock and can be easily removed from the frame for emptying or cleaning.



Contents:

- ① Water tank (1 pc.)
- ② Guide Bar
- ③ Tubular steel frame
- ④ Wheels
- ⑤ Linear sheet, 1 set
- ⑥ Valve Holder
- ⑦ Rubber handles
- ⑧ Flat jet nozzle, complete
- ⑨ Pressure hose, complete
- ⑩ Electric pump
- ⑪ Battery for electric pump (not pictured)
- ⑫ Dirt Cover Hood
- ⑬ Ball valves
- ⑭ Battery holder for battery
- ⑮ Power plug for battery (not pictured)

Installation instructions or commissioning:

Then first, as shown, insert the guide bar ② into the square frame ③

and fasten it at the desired height by means of a knurled screw. Check whether the ON/OFF switch ② on the guide bar is set to OFF. The electric pump and the battery are already installed in such a way that no further work is necessary for this. The battery must be charged. Loosen the tension belt of the container and remove the water canister. Now open the screw cap of the water container, fill it with water and close it again with the screw cap and put the canister back on the designated place. Fill the second canister with a mixture of paint and water. You also have the option of filling the paint / water mixture into both canisters.

Now you have a complete canister with lawn marker paint for your lining work and a canister with water for subsequent cleaning at your disposal. Leave the ball stopcocks ⑬ closed until you are at the place of use with the device. At the place of use, open the stopcocks and press the switch on the guide bar.



- **Please only open the ball stopcock from the water canister for the first spray attempt!!**
The integrated pressure switch in the pump is intended as a safety device for emergency shutdown, please always turn off the pump with prolonged idling via the ON/OFF switch on the guide bar. A dry run must not exceed 5 min.
- **For the use and charging of the pump and battery, please refer to the operating instructions listed below or the operating instructions of the power supply**
- **Charge the AKKU for at least 72 hours before using the pump for the first time!**

Completion and cleaning or maintenance of the device:

After the work has been finished:

1. Turn the ON/off switch on the guide bar on OFF.
2. Turn off the quick coupling on the paint mixture and leave only the water can open!
3. Switch the ON/OFF switch on the guide spar to ON and leave the remaining water in the water canister (if it is empty, please refill about 1 liter of water) please continue to convey until only clean water splashes out of the nozzle!
This is important so that no paint settles inside the hoses, the nozzle and the pump and clogs them!!
4. Set the ON/OFF switch on the guide bar back to OFF
5. Now unscrew the flat jet nozzle and rinse it under water. If the paint has already set, place the nozzle in a container of water overnight and let it soak.
6. In case of low power in the battery, please charge with the attached charging cable:
(Please note the exact instructions on page 6!!!)
 - Fit out the control current connector (Fig. 4)
 - Charge the battery with the included power supply:
 - Connect the power supply to a mains socket (red indicator light appears)
 - Connect adapter of the power supply to the battery (charging current socket on the adjacent image) (red indicator light goes out, charging starts)
 - When the final charging voltage is reached, the display lights again and now emits only a small amount of current for a trickle charge
 - Disconnecting the charger from the battery



charging socket Control current

With these cleaning instructions, the full functionality of the cart is maintained until the next use!!

Note:

These canisters are not airtight, please empty the remains of the paint mixture again and again, otherwise the paint will dry and lumps can clog the hoses etc.!

Application and operating instructions Electric pump

Preparation / safety instructions:

All preparation and maintenance work may only be carried out when the motor is at a standstill. Before starting or servicing, the motor must be disconnected from the power supply with all poles. Make sure that unintentional switching on is not possible or disconnect the electrical coupling on the guide bar.

Please make sure that the hoses and cables are not overloaded. Suction and pressure hoses should have the shortest possible distances.

- The ambient temperature should not be below 0°C and during operation it should not be higher than +40°C.
- The pump may only be used when it is lying down. Conversion of the pump as well as changing the installation of the pump is not allowed. All safety instructions and warranty claims are thus forfeited and the functional capabilities of the wet marking cart will be impaired.
- Foreign bodies can clog the membranes or valves. This decreases the pumping capacity. To avoid this, the water container, the paint container as well as the intake hoses should always be thoroughly cleaned after each use and be examined for foreign bodies, lumps or the like!

Electrical Connection & Cabling

Type:	2/3 piston diaphragm pump
Dry run:	up to max. 5 min.
Pump pressure:	max. 4.8 bar
Output:	max. 2.6 l/min.
Suction lift:	pre-filled 5 m
Pressure switch:	Triggering pressure up to 8.6 bar
Liquid temp.:	+1 to +60 °
Rotation speed:	690 rev/min.
Engine type:	Electric motor
Current consumption:	0.5 A max. 10.5 A
Motor housing:	Aluminium
Pump body:	Nylon66 (30% GFRP)
Membrane:	TPU, EPDM; NBR
ambient temperature	0 to 40° C
Sound intensity:	about 39 dBA at 1 m

Respect: The values for pressure height and conveying capacity are maximum values. In this practice, these are difficult to achieve. Correct calculation based on the pump characteristic curve. Delivery pressure and quantity depend on each other. The tighter the flow, the higher the pressure

Operation

- If vibrations, irregular running or noise occur during operation, or the pump does not pump, take the pump out of operation immediately to avoid damage. The ball stopcock on the water tank must be open and the suction hose must be immersed in the lawn marking paint to be pumped.
An event. Dry running of the pump must not exceed up to 5 min. last!
- The liquid must not contain foreign objects. If so, they must be eliminated.
- Before EACH start-up, check the tightness of the connections of the pump in general, the electrical cables, as well as the tight fit of all housing and pump and device screws.
- Make sure that the pump is always protected from contamination with the enclosed dirt cover. Do not start the device in rain or snow!

Storage

- All start-up, decommissioning and maintenance work must be carried out with the machine switched off and with the voltage source disconnected.
- Disconnect the motor from the voltage source with all poles
- Check that no power is connected!
- Check again whether the hoses or the pump interior is free of paint and disconnect the suction hoses.
- The pump/battery must be stored clean, dry, dust-free and frost-free.

Cleaning and maintenance

Regular maintenance and care extends the life of the pump. She will thank you with long trouble-free operation.

Use only original spare line. Maintenance and repair are to be carried out only by the manufacturer. Otherwise no warranty

Damages that occur as a result of improper or missed maintenance are not covered by the warranty. Faults that can be corrected by the user are covered by normal maintenance, but not by warranty.



Warning

Please leave these operating instructions with the device and read them before starting work!
In case of non-compliance with these operating instructions, we will have to reject any warranty claim.
We assume no liability for consequential damages resulting from failure to follow the instructions!
After receiving the goods, please check them for damage and completeness!

Use:

The wet marking cart type AKKU 3000 is only suitable for spraying lawn marking paint. This may only be used exclusively in outdoor areas. Improper use can cause dangerous injuries and environmental damage. !

Use only spare parts and accessories from the manufacturer, otherwise no liability is assumed!

Use only original lawn marker paints without solvent, as they are now offered by several paint manufacturers. These paints are characterized by high opacity and luminosity as well as fast drying time. They are environmentally friendly, because they do not contain any harmful additives that destroy the lawn or inhibit its growth.

Not suitable for:

- Flammable liquids and corrosive or ammonia-containing substances
- Hydrogen peroxide and similar oxygen-releasing agents
- Solvents and solvent-containing liquids
- viscous, sticky or residue-forming liquids (fats)
- for use in the food industry

Caution

Before any work, the pump must be cooled to ambient temperature, the pump must be disconnected from the power source with all poles and accidental switching on must be excluded.



Declaration of Conformity:

We hereby declare that the pump in the version supplied by us meets the basic requirements of the following guidelines: 98/37/EEC



Disposal

After the end of the service life, the electric pump, battery and the power supply must not be disposed of in the normal household waste. For proper disposal, please contact the municipal disposal office

Field of application and operating instructions of the battery

The battery serves as an energy supply for the electric pump of the wet marking car and is to be used exclusively for this. Due to the risk of physical danger, the battery must not be used as an energy source for other devices. Compliance with the operating instructions listed above is a prerequisite for the proper use of the battery!

Please note that we do not guarantee batteries!

Important notes for the correct use of the battery:

- Before using the pump for the first time, charge the battery for at least 72 hours
- Avoid a complete discharge (same principle as with a car battery)
- Charging time at least 12 hours
- For prolonged non-use, absolutely avoid complete discharge and always recharge the battery again (an automatic charger, a weekly/monthly timer or simply leaving it plugged in are all acceptable solutions here)

Electrical Safety

FIRE HAZARD! SHORT CIRCUIT!

- Do not bridge the battery contacts with metal parts.
Check before each use! Perform a visual inspection of the battery before each use
- Never charge the battery in an environment where acids or highly flammable materials are present.
Only the enclosed charging cable may be used as the charging cable. When using other charging cables, the batteries can be destroyed or even fires can occur!
- Danger of explosion! Protect the battery from heat and fire! Do not place it on radiators or expose it to strong sunlight for a long time!
Use and charge the battery only at an ambient temperature between 5°C and 45°C. After heavy use, let the battery cool down first. A battery that is too hot must not be charged!
The charging cable must be checked regularly for signs of damage and ageing (brittleness) and may only be used in perfect condition.
- Overvoltage/AC voltage/voltage fluctuations destroy the battery and the charging cable
Pay attention to the correct mains voltage. Protect against overvoltage/lightning strike!

Storage

Do not store the battery above 45°C or under direct sunlight. Ideally, the battery should be stored below 25 °C so that the self-discharge is low. Never store connected to the charging cable! The place of storage must be inaccessible to children.
Do not store the battery in places of static electricity, and keep it frost-free!

Maintenance

Make sure that the outer surfaces of the battery pack as well as the contacts of the battery are always clean and dry before operating the battery or using the charging cable. If soiled, clean them with a soft dry cloth, never under running water.

Safe removal of the lead-gel battery

Determination according to the Electrical and Electronic Equipment Act (ElektroG) §4 Art.4. Replacement or removal of the battery (lead-acid battery)

Unscrew the 4 screws on the top of the battery holder (14), remove the lid, detach the battery from the terminals (cable lugs red and black) and remove. A new battery can then be replaced by attaching it to the two shoe clamps (red + black). Screw the lid back on after inserting the battery.

Troubleshooting:

Fault: Pump does not build up pressure

Causes:

- Clog: Loosen the hose in front of the valve holder (6) by means of the hose clamp and let it hang towards the floor, and turn on the pump
If paint is being transported through, the flat jet nozzle or the valve holder is clogged. Remove and clean the flat jet nozzle/valve holder!
- there may be clumps, dirt in the canister clean!