

DELIMBE

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ELECTRIC SALT SPREADER WITH ALUMINIUM CHASSIS DELIMBE T11



Distributeur de sel humide :

- En sel humide, largeur de travail : 4 mètres
- Convient aussi pour sel sec.

INSTRUCTION MANUAL

TECHNICAL SPECIFICATIONS:

Aluminum chassis and polyethylene hopper: 80 or 120 liters.

Adjustable flow according to no-ending screw and aluminum plate.

Spreader dimensions:

- **80 liters et 120 liters:** 650 mm width - 1000 mm deep - 740 mm (80L) 900 mm (120L) high.

Spreader weight when empty: 25 kg

Plate diameter: 350 mm.

Projection distance with wet salt: 4 meters.

Adjustable flow: from 106 à 3180 kg/hour.

Supply voltage: 12Volts.

Moto power: 250Watts.

Noise level: less than 70d(B)A.

INSTALLATION:

The Delimbe salt spreader T11 projects the salt over a width of 4 meters regardless of the working height.

To mount the salt spreader on the back of a vehicle, fitted it on the bumper and held it by two chains.

To mount the salt spreader on the luggage rack of a quad position it on the center of the luggage rack making sure that it is well balanced. Attach it with 8mm dia. Screws using the holes provided in the spreader base.

To mount the salt spreader behind a tractor: a tractor coupling is available as an option.

Make sure that the salt spreader works level in all directions.

Baffles are supplied with the spreader, in order to protect the driver from the stray salt.

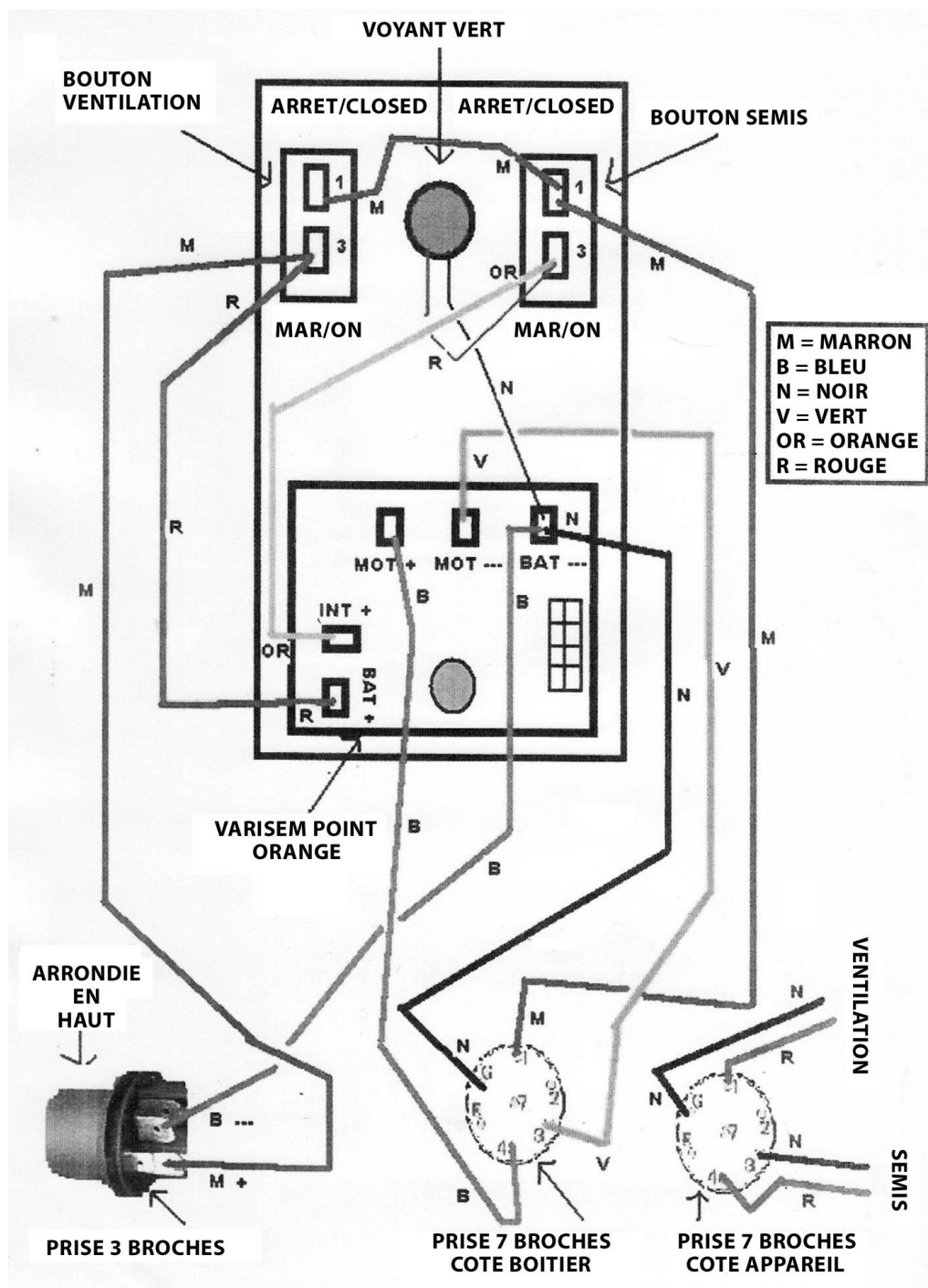
Position the machine so there is no danger of the operator being injured while it is being filled. When fitting the machine, it is essential to install a guard rail.

You can install a platform with a handrail and access stairs to allow the hopper to be filled in complete safety. Use perforated anti-slip metal.

CONNECTION:

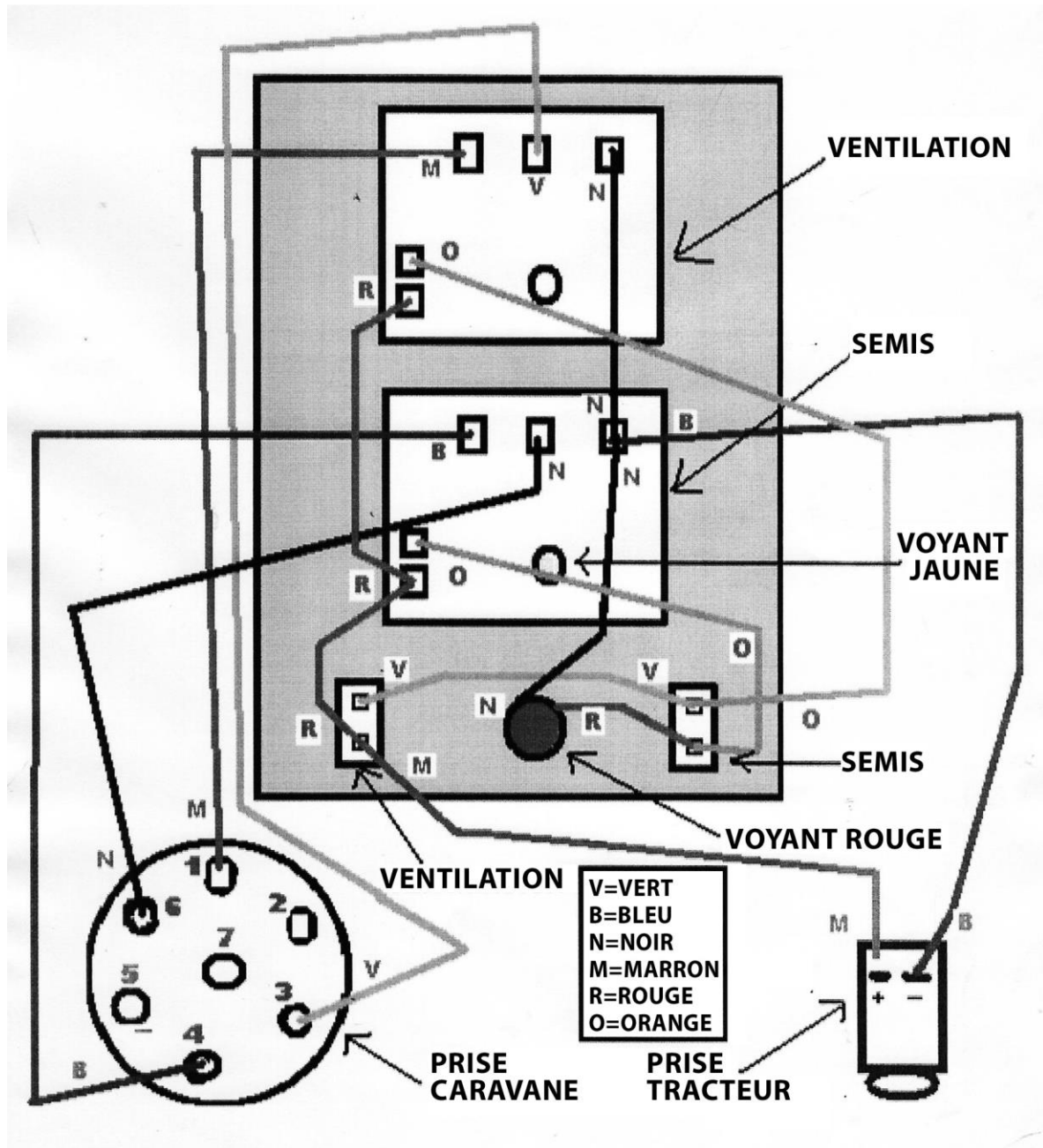
The device being sold without control box we offer 2 types of boxes, the standard box and the width adjustment box.

Electrical connection conditions : standard box



Switch n°1 is used to start the tray.
Switch n°2 is used to start the endless screw

Electrical connection conditions: width adjustment box



Switch n°1 is used to start the tray

Switch n°2 is used to start the endless screw

And a turn switch n°3 with a scale from 0 to 30 is used to adjust the working width, we can thus vary the width between 1.5 and 4 meters.

In addition, each of the two boxes also contains:

- A button with a scale from 1 to 30 is used to adjust the distribution flow.
- A red indicator light warns of the starting of the tray, watch out the endless screw only works if the switch to start the tray works.

ADVICE AND PRACTICE:

- Provide a maximum power supply of 250Watts from the distributor at start-up (150Watts at use).
- Connect the incoming harness wire to a European code jack or connect the red lug to the positive terminal of the battery (brown wire) and the blue wire to the negative terminal of the battery.
- Be careful not to reverse the polarity of the wires.
- Check that the disc is rotating in the correct direction (counter-clockwise).
- A label with an arrow on the distributor indicates the direction of rotation.
- The Start and Stop Control Box must be installed at the carrier's operating position.
- Since the 3-pin socket of the carrier vehicle is already protected, it is not necessary to mount an additional fuse.

USE – SETTING:

- The DELIMBE salt spreader is designed to be used back of a truck, car, tractor or a quad.
- For installation cases that deviate from the expected conditions, consult the manufacturer.
- The salt is projected in a semicircle by a rotating disc.
- The distribution is from the center of the disk (DELIMBE system)
- It is possible to adjust the direction of spreading by pulling or pushing the whole plate block, on the side of the spreader it is provided 2 oblongs holes with 2 adjustment knobs (one on each side of the spreader). It is possible to slide the spreading block in order to optimize the spreading work.

FLOW

ADJUSTMENT:

Recommended dose: 4 grams per m², an increase in dosages is not a guarantee of better efficiency, 4 gr per m² are sufficient in prevention, 7gr in curative. In addition, it is better to spread 4 gr in preventive rather than a large dose in curative.

CALCULATING FLOW:

The settings table is given in flow/hour:

WORKING WIDTH X SPEED

Example:

Working wide 4m x 20.000m/hour (20km/hour) = 80.000m²/hour

80.000m² x 4gr = 320.000gr = 320 kg

So, take the table set at 320 kg = 3 on the graduated button on the control command box.

ADJUSTMENT TABLE FOR T11 SALT MACHINE			
<i>Attention adjustment in kg/hour</i>			
<i>To avoid settling, place the product at the last minute.</i>			
N°1	106 kg/h	N°16	1696 kg/h
N°2	212 kg/h	N°17	1802 kg/h
N°3	318 kg/h	N°18	1908 kg/h
N°4	424 kg/h	N°19	2014 kg/h
N°5	530 kg/h	N°20	2120 kg/h
N°6	636 kg/h	N°21	2226 kg/h
N°7	742 kg/h	N°22	2332 kg/h
N°8	848 kg/h	N°23	2438 kg/h
N°9	954 kg/h	N°24	2544 kg/h
N°10	1060 kg/h	N°25	2650 kg/h
N°11	1166 kg/h	N°26	2756 kg/h
N°12	1272 kg/h	N°27	2862 kg/h
N°13	1348 kg/h	N°28	2968 kg/h
N°14	1484 kg/h	N°29	3074 kg/h
N°15	1590 kg/h	N°30	3180 kg/h

*Flow may vary
from -10% to +10%
depending on the moisture
content of the salt.*

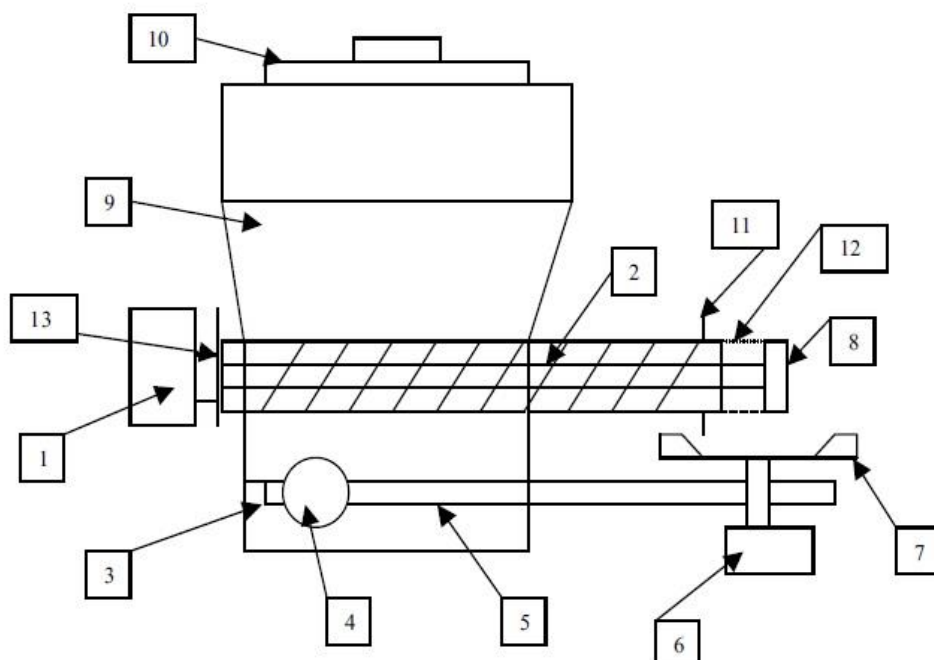
After approximately 10 meters of spreading, check that the spreading is correct in width and density.

STORAGE : take cover.

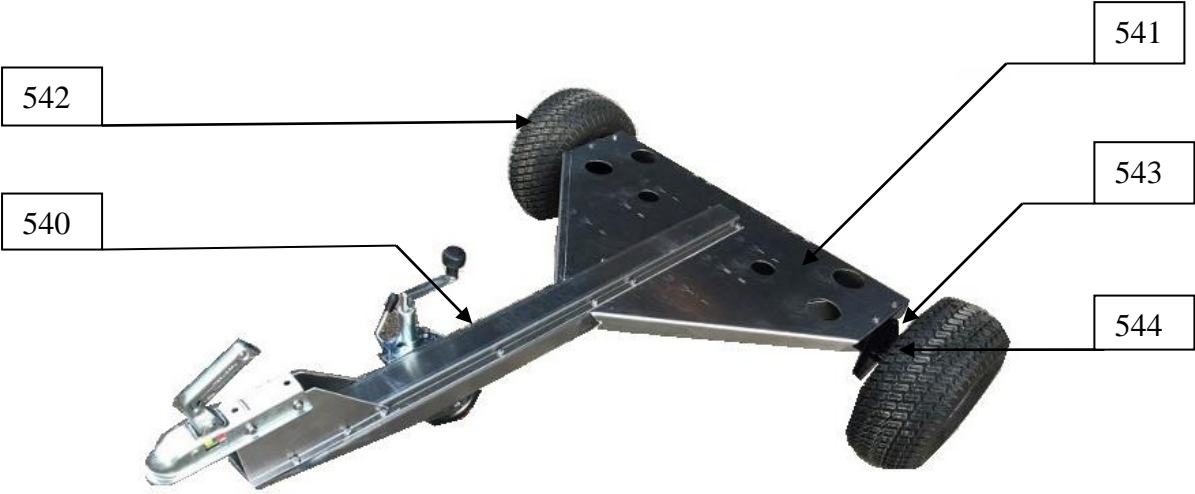
TECHNICAL DRAWING MACHINE T11 DELIMBE



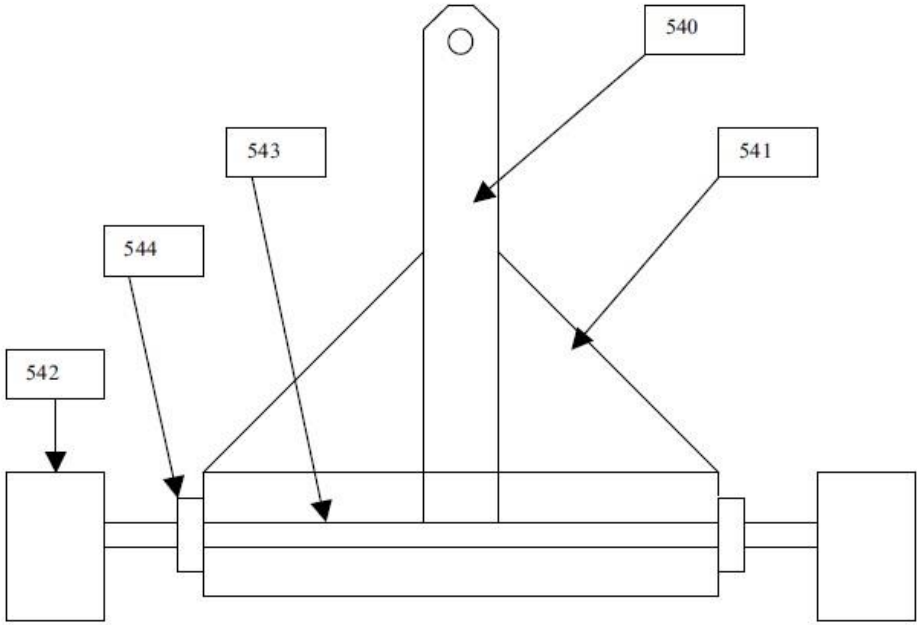
1	REF : MRZD19330WX00	SCREW MOTOR	8	REF : T11PALIER	ENDLESS SCREW BEARING
2	REF : VISSFT1170L120L	DISTRIBUTION SCREW	9	REF : CUVCR80LT11 OU CUVCR120LT11	SALT TANK T11 80 OR 120L
3	REF : CHAST11	CHASSIS T11	10	REF : COUVPLAST80L120	CAP T11
4	REF : BOUTMOLETTE	ADJUSTMENT SLIDE BUTTON	11		BEARING SUPPORT SCREW
5	REF : BLOCEPANDT11	EPANDAGE BLOCK	12		BEARING SUPPORT
6	REF : MRZD1531A08	TRAY MOTOR	13	REF : CARTERMOTVIST11	MOTOR HOUSING T11 SCREW
7	REF : PLATALUT11	PLATE			



ALUMINIUM SUPPORT TROLLEY



540		COUPLING BEAM
541		CHASSIS
542	REF : ROUECHAR	WHEEL WITH TIRE
543	REF : ESSIEU	AXLE FOR TROLLEY
544		WHEEL BEARING



SAFETY PRECAUTIONS

- Before any work is done, unplug the distributor.
- Although protected above and below, the disc runs at high speed. No person shall park with or approach the operating distributor within 16 meters.
- Ensure that no one is moving within the application area.

According to European Community safety regulations, the distributor must be installed behind the driver's seat. Any other installation is strictly prohibited. If in doubt, consult the manufacturer.

The pellets used for spreading can be toxic. It is essential to wear a mask when filling and using the dispenser.

We thank you for choosing the DELIMBE material and wish you a good use.

