DELIMBE

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MICROGRANULATOR DELIMBE T14

Thank you for choosing this air seeder, which we have always striven for quality to offer you a first-class product. In order to make the most of your DELIMBE T14 seeder, we invite you to carefully read all the information mentioned in this manual.

TECNICAL NOTICE

TECHNICAL CHARACTERISTICS :

Distribution by rotor, drive by electric motor, control of the flow by electrical box in the cabin varying the speed of rotation of the metering rotor.
Steel frame with epoxy paint.
Round polyethylene tank capacity 25,70, 120 and rectangular polyethylene tank 200 liters.
Dimensions of the microgranulator:

- **25 liters**: width 350 mm – depth 315mm – height 600 mm
- **70 liters**: width 500 mm – depth 500mm – height 800 mm
- **120 liters**: width 600 mm – depth 600 mm – height 800 mm
- **200 liters**: width 600 mm – depth 450 mm – height 1100 mm

Number of pipe outlets: from 1 to 6 outlets.
Vacuum mass of the dispenser: 9 kg.
Supply voltage: 12 volts.
Engine power: 70 watts.
Rotor diameter: 35 mm.
Lower sound emission 70 d(B)A.

INSTALLATION-MOUNTING:

To attach the MICROGRANULATOR DELIMBE T14 to a maize seed drill, sunflower or other planter, 4 holes are provided for this purpose at the rear of the device.

As the MICROGRANULATOR DELIMBE T14 is a gravity descent distributor, the unit must be positioned to maintain a slope in the pipes of at least 45°.

SAFETY RULES:

After securing the DELIMBE to the seed drill, check the rigidity of the assembly.
If the aircraft is to be elevated, provide a walkway with stairs and guardrails.
To prevent possible accidents, wear respiratory protection when filling the hopper and when using the device, as well as clothing adapted to the chemicals.
Before any intervention disconnect the device.
Keep everyone away (at least 5m) during work.
Although protected, do not approach the rotating rotor.
The user of the machine shall comply with the recommendations of the safety data sheet for the product used.

CONNECTION:

Electrical connection conditions:

- An electrical harness and control box are provided with the distributor.
- Switch n°1 is used to start the flow rotor.
- The dial graduated from 0 to 30 is used for electric flow control.
- Provide power to a protected outlet with a 25 amp fuse.
- **Connect the red lug wire to the positive terminal of the battery (brown wire) and the blue wire to the negative terminal of the battery. CAUTION: POLARITY REVERSAL WOULD RESULT IN A DETERIORATION OF THE ELECTRONIC BOARD.**
- **Check that the flow rotor is turning in the correct direction (arrow direction).**

USE:

There are 4 types of control boxes:

- A standard control box with adjustment scale in the cabin from 0 to 30, not DPA
- A DPA box with a sensor installed at the end of the roll or on the back of a disk
- A DPA ISO box with tractor information on the 7-pin socket.
- DPA box with magnetic GPS antenna to attach to the roof of the tractor

With the standard control box, the device is switched on and off with switch N°1. The flow adjustment is done by turning the number 2 knob on the cabin control box. At the end of the field, stop the distribution manually with the cabin switch of the standard enclosure.

EMPTYING THE HOPPER: a trap at the rotor end is dedicated for emptying.
CHANGING THE ROTOR: unscrew the two buttons, take off the trap, pull the rotor, put in the new rotor with the square side first, then close the trap, and screw the buttons.
STOCK THE DELIMBE DRILL COVERED.

ADJUSTMENT OF THE DEBIT:

Since the MICROGRANULATOR DELIMBE T14 is an electrical appliance, the flow must be calculated per hour. Working width multiplied by speed of advance equal area sown in one hour. Take the area sown in one hour and multiply by the dose per hectare desired. Then take the adjustment table.

Example 1: for a 3-row seeder, with seeding elements spaced at 80cm, working width 2.40m with a seeding speed of 4km/hour: 2.40m x 4km/h = 0.96 ha/h. Desired dose per hectare: 10kg.
Sown area: 0.96ha x 10Kg/ha = 9.6 kg/hour. **Use the green rotor, setting n°10.**

Example 2: For a 3-row seeder, with seeding elements spaced at 80cm, working width 2.40m with a seeding speed of 5km/hour: 2.40m x 5km/h = 1.20ha/h. Desired dose per hectare: 12kg.
Sown area: 1.20ha x 12Kg/ha = 14.4kg/hour. **Use the green rotor, setting n°13.**

Example 3: For a 5-row sunflower seeder with seeding elements spaced at 45cm, working width 2.25m with a seeding speed of 5km/h: 2.25m x 5km/h = 1.125ha/h. Desired dose per hectare: 50kg. Sown area: 1.125ha x 50Kg/ha = 56.25kg/hour. **Use the yellow rotor, setting between n°10 and n°11.**

DIFFERENT TYPES OF SPLINES

	**Very small white rotor for very fine seeds (flow rate <3kg/ha)**
	Small green rotor for mustard, alfalfa, clover, rapeseed, phacele, insecticides…
	Medium yellow rotor for radish, buckwheat, turnip, incarnate, rye, cereals…
	Large red rotor for rye grass, fecal, oats, wheat, vetch…
	Very large black rotor for beans, wheat, peas… ***This rotor is in 4-fin version, attention it allows a regular flow only at very high speed. It is therefore suitable for a specific use.***

DELIMBE T14 -Adjustment table

DEBIT CALCULATION: the adjustment table is given in flow/hour: selected working width x working tool speed x desired dose/hectare.

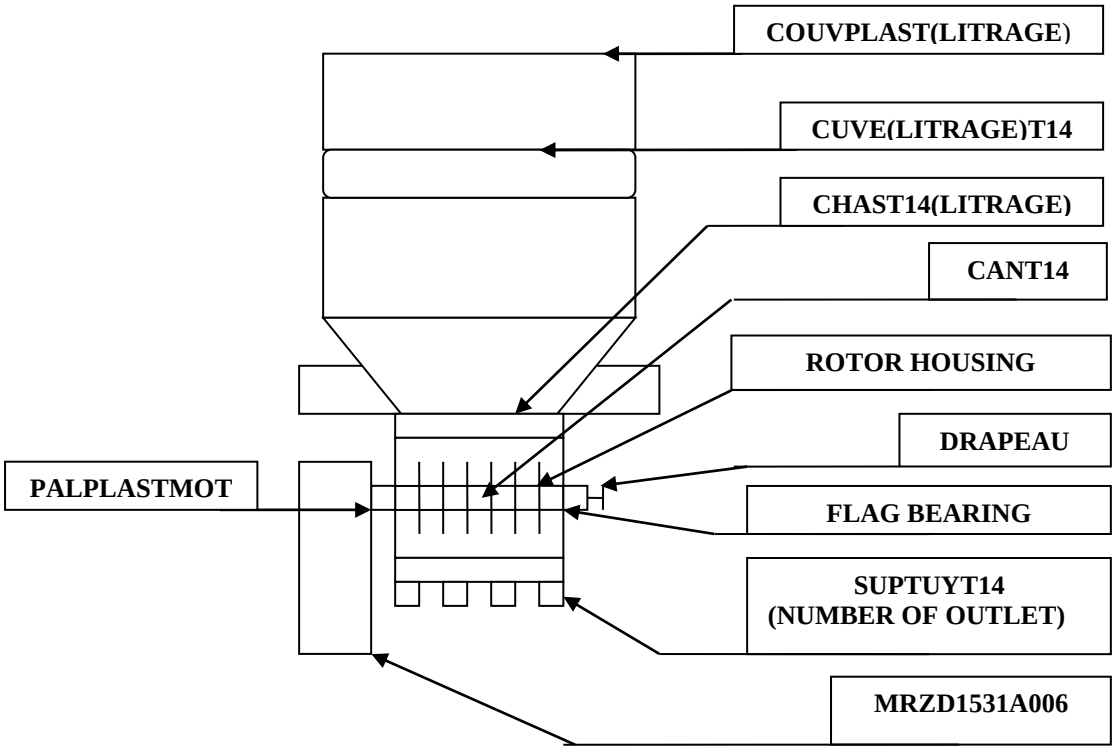
STANDARD MOTOR 40/60 RUN/MIN				
	Very small rotor **WHITE**	Small rotor **GREEN**	Medium rotor **YELLOW/ STAINLESS**	Big rotor **RED**
N°1	1.55 kg/h	3.1 Kg/h	17.00 Kg/h	25.13 Kg/h
N°2	1.60 kg/h	3.2 Kg/h	20.70 Kg/h	30.61 Kg/h
N°3	1.70 kg/h	3.4 Kg/h	28.10 Kg/h	41.56 Kg/h
N°4	2.10 kg/h	4.2 Kg/h	31.80 Kg/h	47.03 Kg/h
N°5	2.55 kg/h	5.1 Kg/h	35.50 Kg/h	52.50 Kg/h
N°7	2.90 kg/h	5.8 Kg/h	42.90 Kg/h	63.45 Kg/h
N°8	3.40 kg/h	6.8 Kg/h	46.60 Kg/h	69.57 Kg/h
N°9	4.00 kg/h	8.0 Kg/h	50.30 Kg/h	75.10 Kg/h
N°10	4.80 kg/h	9.6 Kg/h	54.00 Kg/h	80.61 Kg/h
N°11	5.60 kg/h	11.2 Kg/h	57.70 Kg/h	86.14 Kg/h
N°12	6.40 kg/h	12.8 Kg/h	61.40 Kg/h	91.66 Kg/h
N°13	7.20 kg/h	14.4 Kg/h	65.10 Kg/h	97.19 Kg/h
N°14	8.00 kg/h	16.0 Kg/h	68.80 Kg/h	102.71 Kg/h
N°15	8.80 kg/h	17.6 Kg/h	72.50 Kg/h	108.23 Kg/h
N°16	9.60 kg/h	19.2 Kg/h	76.20 Kg/h	113.76 Kg/h
N°18	10.4 kg/h	20.8 Kg/h	79.90 Kg/h	119.28 Kg/h
N°19	11.2 kg/h	22.4 Kg/h	83.20 Kg/h	124.21 Kg/h
N°20	12.0 kg/h	24.0 Kg/h	86.90 Kg/h	129.73 Kg/h
N°21	12.8 kg/h	25.6 Kg/h	90.60 Kg/h	135.26 Kg/h
N°22	13.6 kg/h	27.2 Kg/h	94.30 Kg/h	140.79 Kg/h
N°23	14.4 kg/h	28.8 Kg/h	98.00 Kg/h	146.32 Kg/h
N°24	15.2 kg/h	30.4 Kg/h	101.7 Kg/h	151.85 Kg/h
N°25	16.0 kg/h	32.0 Kg/h	105.4 Kg/h	157.37 Kg/h
N°26	16.8 kg/h	33.6 Kg/h	109.1 Kg/h	162.90 Kg/h
N°27	17.6 kg/h	35.2 Kg/h	112.8 Kg/h	168.42 Kg/h
N°28	19.0 kg/h	38.0 Kg/h	116.5 Kg/h	173.95 Kg/h
N°29	20.8 kg/h	41.6 Kg/h	120.2 Kg/h	179.47 Kg/h
N°30	22.4 kg/h	44.8 Kg/h	123.9 Kg/h	185.00 Kg/h

DELIMBE T14 -Adjustment table

DEBIT CALCULATION: the adjustment table is given in flow/hour: selected working width x working tool speed x desired dose/hectare.

	SPECIAL MOTOR 15/30 RUN/MIN		
	Small rotor **GREEN**	Medium rotor **YELLOW/ STAINLESS**	Big rotor **RED**
N°1	1.16 Kg/h	6.37 Kg/h	3.4 Kg/h
N°2	1.20 Kg/h	7.76 Kg/h	4.8 Kg/h
N°3	1.27 Kg/h	10.53 Kg/h	6.4 Kg/h
N°4	1.57 Kg/h	11.92 Kg/h	7.7 Kg/h
N°5	1.91 Kg/h	13.31 Kg/h	9.1 Kg/h
N°7	2.17 Kg/h	16.08 Kg/h	10.6 Kg/h
N°8	2.55 Kg/h	17.47 Kg/h	12.1 Kg/h
N°9	3.00 Kg/h	18.86 Kg/h	13.6 Kg/h
N°10	3.60 Kg/h	20.25 Kg/h	15.2 Kg/h
N°11	4.20 Kg/h	21.63 Kg/h	16.8 Kg/h
N°12	4.80 Kg/h	23.02 Kg/h	18.5 Kg/h
N°13	5.40 Kg/h	24.41 Kg/h	20.2 Kg/h
N°14	6.00 Kg/h	25.80 Kg/h	22.0 Kg/h
N°15	6.60 Kg/h	27.18 Kg/h	23.8 Kg/h
N°16	7.20 Kg/h	28.57 Kg/h	25.6 Kg/h
N°18	7.80 Kg/h	29.96 Kg/h	27.5 Kg/h
N°19	8.40 Kg/h	31.20 Kg/h	29.4 Kg/h
N°20	9.00 Kg/h	32.58 Kg/h	31.3 Kg/h
N°21	9.60 Kg/h	33.97 Kg/h	33.3 Kg/h
N°22	10.20 Kg/h	35.36 Kg/h	35.3 Kg/h
N°23	10.80 Kg/h	36.75 Kg/h	37.4 Kg/h
N°24	11.40 Kg/h	38.13 Kg/h	39.5 Kg/h
N°25	12.00 Kg/h	39.52 Kg/h	41.6 Kg/h
N°26	12.60 Kg/h	40.91 Kg/h	43.7 Kg/h
N°27	13.20 Kg/h	42.30 Kg/h	45.8 Kg/h
N°28	14.25 Kg/h	43.68 Kg/h	47.9 Kg/h
N°29	15.60 Kg/h	45.07 Kg/h	50.0 Kg/h
N°30	16.80 Kg/h	46.46 Kg/h	52.1 Kg/h

SCHEMA - DELIMBE PLAN T14



REFERENCE	NAME
COUVPLAST	CAP (specify the desired litrage at the end of the reference)
CUVRD(LITRAGE)T14	TANK (specify the desired litrage at the end of the reference)
CHAST14(LITRAGE)	CHASSIS (specify the desired litrage at the end of the reference)
CANT14	ROTOR (specify the desired flow at the end of the reference)
/	ROTOR HOUSING
DRAPEAU	BUTTERFLY FLAG (black and yellow)
/	FLAG BEARING
SUPPTUYT14(1S)	HOSE HOLDER (specify the number of outlets desired at the end of the reference)
MRZD1531A006	ELECTRIC DISTRIBUTION MOTOR
PALPLASTMOT	PLASTIC BEARING ON ENGINE SIDE

NB: It is recommended to grease the machine every 50 hours.*

DECLARATION CE DE CONFORMITE

Le Constructeur : DELIMBE - F-27340 PONT DE L'ARCHE

Déclare que le matériel neuf : SEMOIR PNEUMATIQUE

Est conforme aux exigences essentielles de sécurité mentionnées dans la Directive européenne 2006/42 CE par application des normes harmonisées

Fait à PONT DE L'ARCHE