



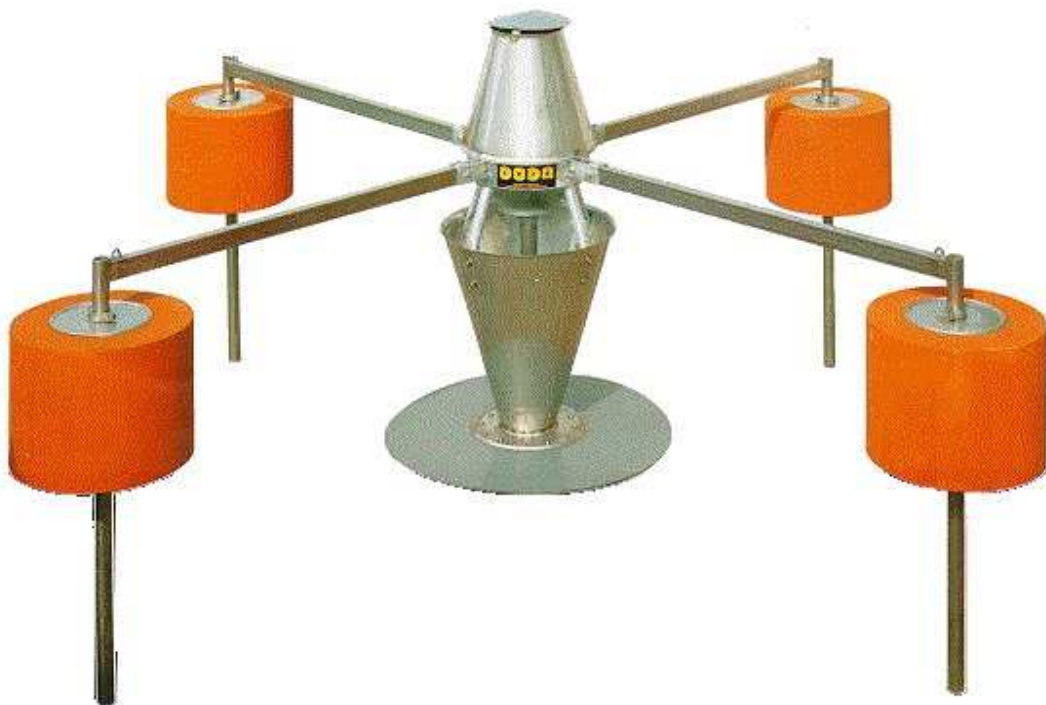
*COSTRUZIONE MACCHINE AGRICOLE
di DODA ALDO & C. SNC*

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USE AND MAINTENANCE MANUAL ELECTRIC AERATOR SERIES DAERMIX



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Data and measures written in this catalogue are approximate and there may be some changes without previous advice.

DODA thanks you for buying an item included in its production range and invites you to read this manual.

You will find herewith all information necessary for a correct utilisation of the machine you bought; so, please carefully follow the directions contained herewith and read this booklet in all its parts.

Please, also remember to keep this booklet in an adequate place, to preserve it unaltered. The content of this manual can be changed without notice or additional obligations, in order to include changes or improvements to the units already delivered.

No reproduction or translation of any part of this booklet is admitted unless previously authorized.

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EC DECLARATION OF CONFORMITY AS DE-
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ING MODIFICATIONS

The machine described in the following **“Use and Maintenance manual”** is an aerator powered by an electric motor.

Guaranteed advantages:

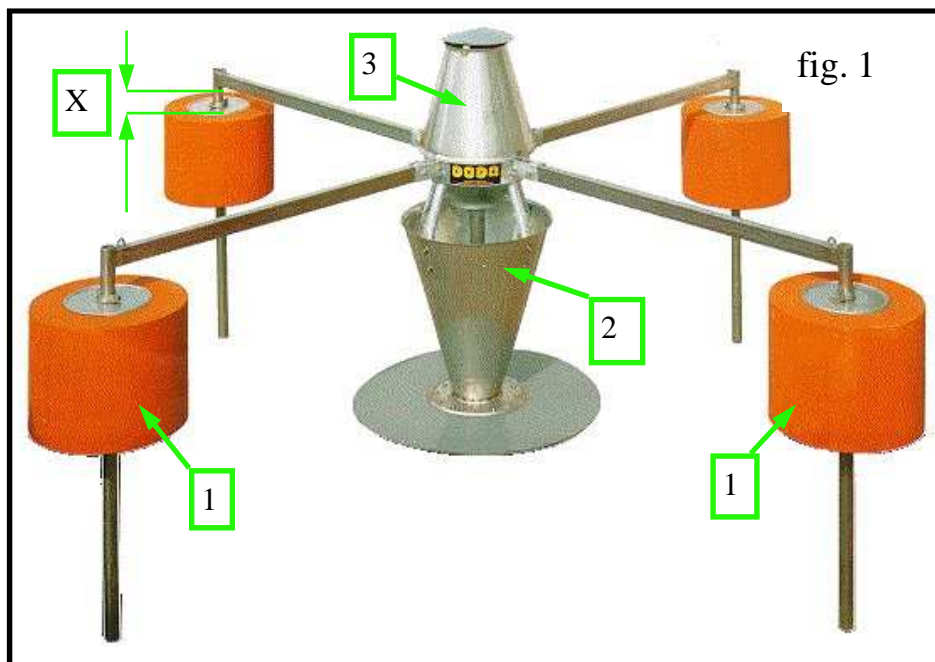
- Complete homogenizing of liquid manure;
- No smell;
- No more caustic product;
- Killing of pathogens and weed seeds through fermentation;
- Lower nitrogen loss and therefore higher fertilising power of liquid manure (up to 50% higher production with respect to treated manure).
- Higher water evaporation and consequent reduction of stored mass;
- Organic substances partly transformed into inorganic ones: they can then be employed instead of chemical fertilizers.

The machine structure is totally in stainless steel with oil-bath drive.

Of particular interest is the propeller, specially studied to allow air intake and disintegration into tiny particles, suitable for better manure homogenizing.

From the technological point of view, the concept adopted for all other DODA products has been applied to this machine, too:

" Highest quality for highest reliability and longest service life ."



1) Floats

2) Air conveying cone

3) Electric motor

X) X=10-12 Cm

2. MACHINE LOADING AND UNLOADING

The machine loading and unloading operation can be carried out:

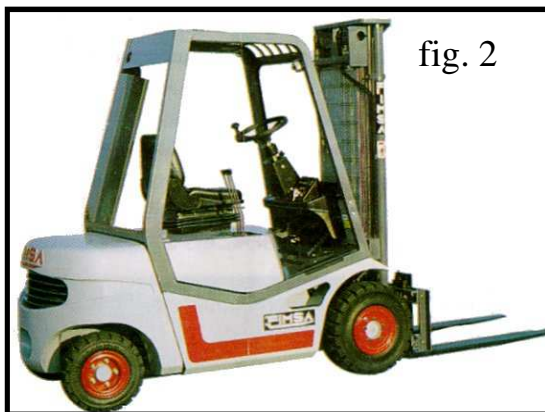
- by means of a lift truck;
- by means of a hoisting crane.

N.B.: the carrying capacity of the sling must be seven times as much as the machine total weight (if it is made of a textile fibre).

WARNING: in either case the machine must not be lifted by catching on the weakest parts of the structure (delivery pipes, etc...).

WARNING : before lifting the structure, be sure that it is well-balanced.

WARNING: never move abruptly or bump stainless steel parts with the forks of the lift truck.



3. GENERAL WARNING

- 1) Check that no component has undergone damages during transportation, in this case contact immediately your dealer..
- 2) The power supply connection has to be carried out only by skilled workers and according to DODA instructions (by connecting the cables of the electric motor to the power supply or the pump to the tractor by means of the cardan shaft). DODA is in no way responsible for any electric connection. (please follow the instructions on the motor plate and on the sticker showing the rotation direction).
- 3) Before starting the machine check that the rotating driving parts are suitably protected, as foreseen by their manufacturer.
- 4) If the protection of a rotating component is not provided, the user has to supply the machine with it in conformity with the provisions of the law.

- 5) DODA takes no responsibility for modifications which could the characteristics of the machine bought.
- 6) DODA machines must not be installed on structures not consistent with EC safety with EC safety regulations foreseen by the Community Directives.
- 7) Before operating the machine it is indispensable to carefully read all directions in the **“Instructions for Use and Maintenance”** manual. Above all, you have to be sure to have completely understood the machine operation.
- 8) The machine is designed for the treatment of water and sewage, not for chemical products. Therefore if these substances are treated with our machine, it could be damaged permanently.
- 9) Check that the machine length is adequate to the depth of the tank.
- 10) As regards machines with oil-bath driving, the driving pipe as well as the geared units (if presents) must be filled with oil.
- 11) Carefully avoid that during mounting, machine rubber parts come into contact with oil, grease or oil derivatives.

4. PRELIMINARY CHECKS

Our machines are supplied without lubricating oil either in the driving pipes or in the geared units. Before starting the machine, fill in the lubricating oil:

- unscrew inlet and vent caps;
- pour SAE90 oil **very slowly** see oil quantity on table;
- fill with high-temperature resistant, synthetic oil (ONLY AFI REVERSE GEAR);
- wait at least 3 hours before checking the minimum oil level (ONLY FOR DRIVING PIPES);
- screw caps again.

Check the level cap periodically: oil must never be under that level.

N.B. The driving pipe has to be vertical during filling and controls.

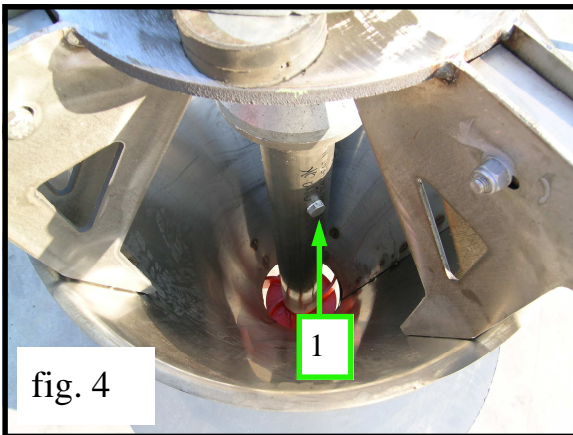


fig. 4

INDICATIVE OIL QUANTITY LEVELS FOR DRIVING PIPE

Standard length	
Oil quantity (Kg)	1

5. POSITIONING AND TRANSPORT

N.B.: As far as the machines powered by electric motor are concerned, DODA is not responsible for any electric connection (please follow carefully the directions mentioned on the motor plate, as well as on sticker indicating the rotation sense).

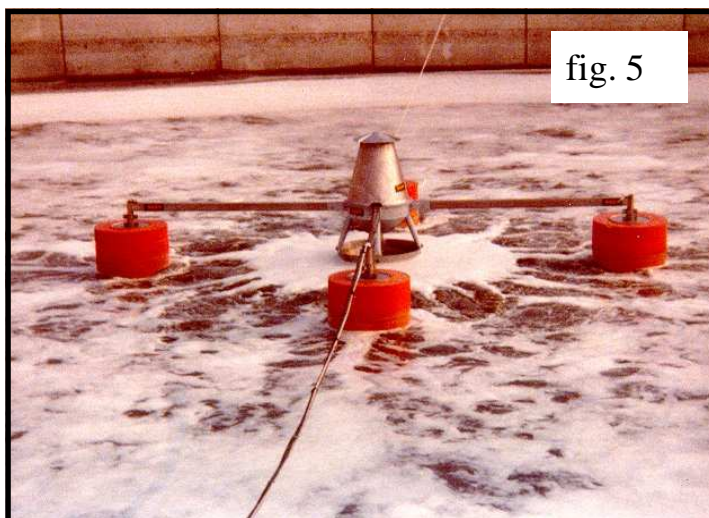


fig. 5

N.B.: In case of long distance transport of the machine, load it on a suitable vehicle by following the instructions indicated at paragraph “LOADING AND UNLOADING OF THE MACHINE”. Never use a tractor for the machine road transport.

Put aerator in the middle of the tank. Prevent machine from moving by fastening four tie-rods at its ends.

6. WORKING

WARNING: read section “GENERAL INSTRUCTIONS” before setting the machine in motion.

After having arranged the machine and checked its stability during normal functioning, you can start using it.

Starting phases:

As for all versions provided with an electric motor, after checking the correct rotation direction, connect them to supply.

- 1) Both during working phases and inspection ones, wear always proper clothing (overalls, gloves, helmet, accident prevention shoes, fastened clothes, etc...).
- 2) The machine has always to be used in a well-lit place.
- 3) Since gases released by liquid manure are poisonous, check that:
 - the work area is suitably ventilated;
 - the machine is not used near to flames.
- 4) Never inspect the liquid manure tank alone. If you lose your balance or if you feel faint due to fumes, ask for help immediately.
- 5) If you do not need to work in a tank, cover it.
- 6) The machine has to be used only by accountable adults and in a place not be accessible to children.
- 7) Do not carry out operations or adjustments when the machine is in motion or when it is connected to supply.
- 8) The machine has to be employed only if all necessary protections are correctly positioned, by following the instructions indicated in the previous paragraphs to avoid possible contacts with moving parts. Do not damage or remove such protections.
- 9) The machine can be set in motion only if it has already been filled up with oil (drive pipes and gearbox).
- 10) Before starting work phases, check that the whole assembly is stable (machine and tractor).
- 11) During maintenance verify that the machine is perfectly standing and disconnected from supply.
- 12) The trolley has not to be used for road transport (if foreseen).
- 13) During operation, maintenance or adjustment, the rubber parts of the machine (gaskets, etc...) have not to come into contact with oil, grease or oil derivatives.
- 14) Make sure that motor rotation is clockwise as indicated by the arrow on the motor (if foreseen).
- 15) As regards machines provided with electrical supply, the connection has to be carried out in a place protected from atmospheric precipitation.
- 16) If the delivery line is connected to pipes or hoses, check that the suitable fastening joints are in perfect conditions; do not stop near to them, due to danger of bursting and tearing.
- 17) Work and keep the machine in a dry area and protected from rainfall, if it is not employed for a long time.

8. MAINTENANCE

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Before carrying out any maintenance operation stop the machine and disconnect it from supply.

- 1) Check the oil level regularly in machine parts requiring lubrication, (driving pipes and geared units) and replace oil completely every 2 years (SAE90).
- 2) Each 50 operating hours lubricate all parts which need it (lubricators, piston articulated joints, gear wheels, etc...).
- 3) At the end of its utilisation, wash the machine to prevent liquid manure from solidifying: this would cause damages.
- 4) Check periodically mixing propeller wear-conditions. Replace it if necessary.

As regards all spare parts, apply directly to DODA authorized dealers.

9. STICKERS

The machine is provided with the following stickers:

IMPORTANTE

PRIMA DELL'USO RIEMPIRE D'OLIO

FINO A LIVELLO (SAE 90)

IMPORTANT: Fill up the machine with SAE 90 oil till the indicated level before using it.


**LIVELLO
OLIO**

FILL UP THE MACHINE WITH OIL
TILL THE LEVEL INDICATED AND
CHECK IT PERIODICALLY.

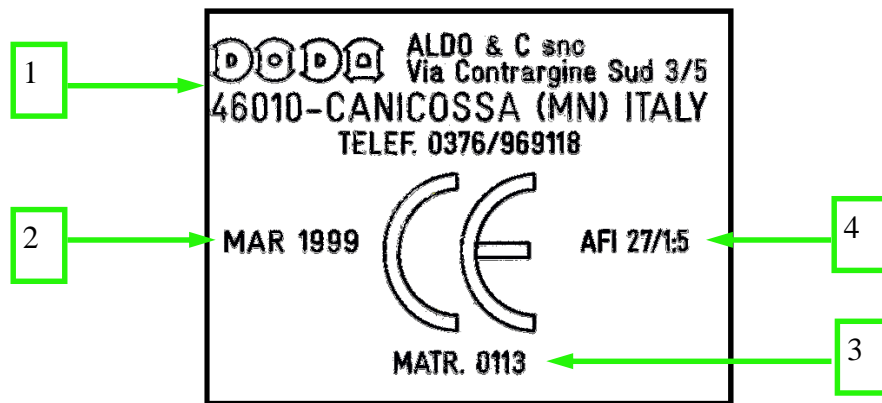
ATTENZIONE

*Prima di posizionare la macchina verificare
che il motore sia collegato nel senso di
rotazione indicato dalla freccia.*

WARNING

*Before placing the pump control
the turning direction of the motor it must
run as pointed out by the arrow. *

THIS NOTICE REMINDS YOU TO CHECK THE
ROTATION DIRECTION OF THE ELECTRIC
MOTOR BEFORE SETTING THE MACHINE IN
MOTION.



Sticker consistent with EC rules:

- 1) NAME OF FIRM
- 2) MONTH AND YEAR OF PRODUCTION
- 3) SERIAL NUMBER
- 4) TYPE OF MACHINE

10. PERFORMANCE AND TECHNICAL DATA

- Stainless steel structure AISI 304
- Floats in polyurethane foam covered with a special paint
- Dual-function impeller allowing air intake and its mixing with slurry.
- Direct drive electric motor.
- Functioning regulated by a timer (according to different needs)
- Slurry treatment capacity about 2000 - 8000 cm³/min

Motore Motor Moteur Motor	KW 5.5	HP 7.5	KW 7.5	HP 10	KW 9	HP 12.5	KW 11	HP 15
Portata aria Air flow rate Débit d'air Luftfordermenge	3.7		3.9		4.1		5.1	
N° giri/min Revolution/min Tours/min U/min	1450		1450		1450		1450	

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WE

DODA ALDO & C. S.N.C.

Via Contrargine Sud, 3/5
46010 Canicossa (Mantova)

HEREBY DECLARE UNDER OUR OWN RESPONSIBILITY THAT THE FOLLOWING PRODUCTS:

ELECTRIC AERATOR SERIES DAERMIX

TO WHICH THIS DECLARATION REFERS, CONFORM TO DIRECTIVE 2006/42/EC AND FOLLOWING MODIFICATIONS.

CANICOSSA (MANTOVA)

ALDO DOD A
CEO

.....
(Name, signature, corresponding stamp)



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