



INSTRUCTIONS MANUAL

SALAD DRYER

SDF-20



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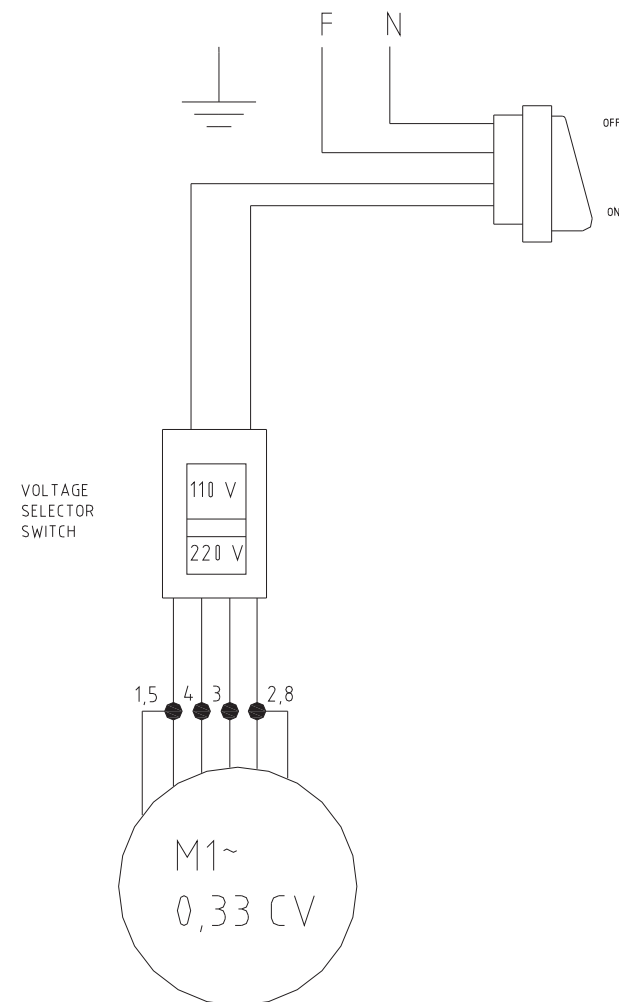
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- ALÉM DESTAS MÁQUINAS, FABRICAMOS UMA LINHA COMPLETA DE EQUIPAMENTOS. CONSULTE SEU REVENDEDOR.
- ESTE PRODUTO CONTA COM ASSISTÊNCIA TÉCNICA, REPRESENTANTES E REVENDEDORES EM TODO TERRITÓRIO NACIONAL.
DEVIDO À CONSTANTE EVOLUÇÃO DOS NOSSOS PRODUTOS, AS INFORMAÇÕES AQUI CONTIDAS PODEM SER MODIFICADAS SEM AVISO PRÉVIO.

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5.2 Model SDF-20 Electrical Diagram



5. Analysis and Problems Solving

5.1 Problem, causes and solutions

The Salad Dryer model SDF-20 was designed to operate with the need of minimum maintenance but the natural wearing caused by longer use of the equipment may occasionally cause some malfunctions.

If such problem occurs with your Salad Dryer refer to Table 02 in which the most common situations are listed with recommended solutions.

Table 02

Problems	Causes	Solutions
* The machine does not turn on.	* Lack of power. * Problem in the internal or external electric circuit of the machine.	* Check if there is power in the power supply source. * Call technical assistance.
* Burn smell and/or smoke.	* Problem in the internal or external electric circuit of the machine.	* Call technical assistance.
* The machine turns on but the Basket does not turn or turns slowly.	* Belt sliding. * Problem with the motor.	* Call technical assistance. * Call technical assistance.
* Strange noises.	* Basket not fitted properly. * Damaged bearings.	* Install the Basket properly on Central Shaft Pin. * Call technical assistance.
* Water leaking through bottom of machine.	* Damaged seal.	* Call technical assistance.

1. Introduction

1.1 Safety

When not properly used the Salad Dryer SDF-20 can be potentially DANGEROUS. Servicing, cleaning or any other operation shall be made by trained people. The following instructions must be observed in order to avoid accidents.

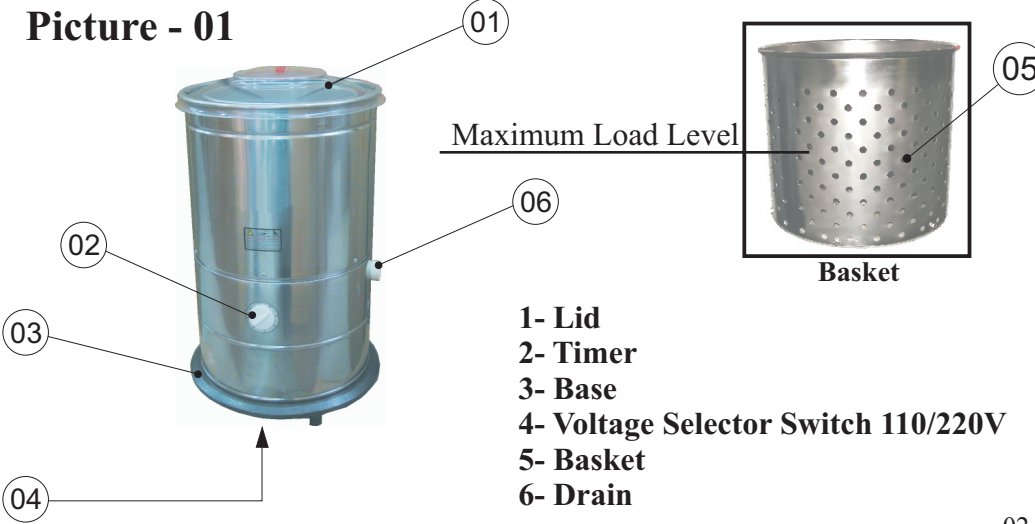
- 1.1.1 Always unplug the machine when cleaning, servicing or when any other operation is needed.
- 1.1.2 Never use tools that do not belong to the machine during operation.
- 1.1.3 Never touch the Basket N°05 (Pic.01) during operation.
- 1.1.4 Keep hands off turning parts.
- 1.1.5 When reinstalling the Basket N°05 (Pic.01) make sure it is perfectly fitted on the Central Shaft Pin N°02 (Pic.02) in order to prevent damages to the machine.
- 1.1.6 Take good care of this manual and have it handy for use at any time.



1.2 Main Components

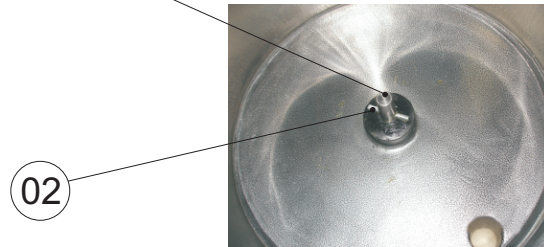
All components are made with carefully selected materials, in accordance with Siemens experience and standard testing procedures.

Picture - 01



Picture - 02

- 1- Central Shaft
- 2- Central Shaft Pin



1.3 Technical Characteristics

Table – 01

Characteristics	Unit	SDF-20
Basket Volume	l	20
Voltage (*)	V	110 / 220
Frequency(*)	Hz	50 or 60 (*)
Power Rating	HP	0,33
Consumption	kW/h	0,26
Height	mm	720
Width	mm	475
Depth	mm	580
Net Weight	kg	26
Gross Weight	kg	32

(*) Frequency and voltage will be only the one indicated on motor characteristics label.

2. Installation and Pre Operation

2.1 Installation

The Salad Dryer model SDF-20 is to be installed onto a leveled surface.

Before plugging in the machine check the voltage of the power supply: 110 or 220 V. Then adjust the machine voltage according to the power supply voltage using the Voltage Selector Switch N°04 (Pic.01) located at the lower part of the machine. Grounding is mandatory.

When checking tensions of belts or chain **DO NOT** introduce your fingers between belts and pulleys, nor between the chains and gears.
Check protections and safety devices to make sure they are working properly.

4.4 Operation

4.4.1 Advice

Be sure your hair is not loose in order to avoid getting caught by turning parts which could lead to a serious accident. Tie your hair well up and/or cover your head with a scarf.
The operation performed by not trained or skilled personnel shall be forbidden.
Never touch turning parts with your hands or in any other way.
NEVER operate machine without all original safety devices under perfect conditions.

4.5 After Finishing The Work

4.5.1 Precautions

Always **TURN THE MACHINE OFF** by removing the plug from the socket before cleaning the machine. Never clean the machine unless it has come to a complete stop. Put all components back to their functional positions before turning it ON again. Check level of oil. **DO NOT** place your fingers in between belts and pulleys nor chains and gears.

4.6 Maintenance

4.6.1 Danger

Any maintenance with the machine in working situation is dangerous. **TURN IT OFF BY PULLING THE PLUG OFF THE SOCKET DURING MAINTENANCE.**

IMPORTANT

Always unplug the machine when emergency cases arise.

4.7 Advice

Electrical or mechanical maintenance must be done by qualified personal for such operation.

Person in charge has to be sure that the machine is under **TOTAL SAFETY** conditions when working.

DO NOT modify original characteristics of the machine.
DO NOT remove, tear off or maculate any labels stuck on the machine. If any label has been removed or is no longer legible, contact your nearest dealer for replacement.
READ CAREFULLY AND WITH ATTENTION THE SAFETY OR OPERATION INSTRUCTIONS LABELS DISPLAYED ON THE MACHINE, AS WELL AS THE INSTRUCTION MANUAL AND THE TECHNICAL CHARACTERISTICS WRITTEN INSIDE.

4.2 Safety Procedures and Notes Before Switching Machine ON

IMPORTANT
Carefully read ALL INSTRUCTIONS of this manual before turning the machine ON. Be sure to be familiar with the instructions and that you have well understood all information contained in this manual. If you have any question contact your supervisor or your nearest Dealer.

4.2.1 Danger

An electric cable or electric wire with damaged jacket or bad insulation could cause electrical shocks as well as electrical leak. Before use, check conditions of all wires and cables.

4.2.2 Advices

Be sure **ALL INSTRUCTIONS** in this manual have been thoroughly understood. Every function and operational procedure have to be very clear to the operator. Contact your nearest Dealer for further questions.

Any manual command (switch, button or lever) shall be given only after being sure it is the correct one.

4.2.3 Precautions

The electric cable has to be compatible with the power required by the machine. Cables touching the floor or close to the machine need to be protected against short circuits.

Oil reservoir has to be full up to the required level as indicated. Check level and add oil if necessary.

4.3 Routine Inspection

4.3.1 Advice

When checking the tension of the belts or chains, **DO NOT** introduce your fingers between the belts and the pulleys and nor between the chain and the gears.

4.3.2 Precautions

Check if motors and sliding or turning parts of the machine produce abnormal noises.

Check the tension of the belts and chains and replace the set when belt or chain show signs of being worn out.

2.2 Pre Operation

IMPORTANT
Before switching the machine on make sure the Basket N°05 (Pic.01) is perfectly fitted on the Central Shaft Pin N°02 (Pic.02).

First of all check if the Salad Dryer is firm in its position.

3 Operation

3.1 Operating Procedures

IMPORTANT
Never touch the Basket N°05 (Pic.01) when it is turning.

To operate the Salad Dryer SDF-20, remove the Lid N°.01 (Pic.01) and place the leaves into the basket N°.05 (Pic.01). The maximum limit of leaves must not exceed the last row of orifices. **(THE LEAVES MUST BE INSERTED IN A WAY SO THAT THEY REMAIN PROPERLY DISTRIBUTED THROUGHOUT THE ENTIRE BASKET. THIS PROCEDURE IS VERY IMPORTANT SO THAT THE MACHINE CAN CENTRIFUGE WITHOUT COMPROMISING ITS COUNTERBALANCING, THUS AVOIDING VIBRATION AND DISLOCATION).** Place the Lid on the machine, so that it remains perfectly attached. placea bowl to collect the water below the Outlet Pipe N°.06 (Pic.01). Turn the machine on by setting the Timer N°.02 (Pic.01) to the desired timing. After the complete stop of the basket, remove the Lid and check if the leaves are as dry as desired. If not, **REPEAT THE OPERATION** as many times as necessary until you reach the desired point. For a better result, we suggest that after each operation the leaves are re-distributed inside the basket N°.05 (Pic.01). As per initial guidance **"THE LEAVES MUST BE INSERTED IN A WAY SO THAT THEY REMAIN PROPERLY DISTRIBUTED THROUGHOUT THE ENTIRE BASKET. THIS PROCEDURE IS VERY IMPORTANT SO THAT THE MACHINE CAN CENTRIFUGE WITHOUT COMPROMISING ITS COUNTERBALANCING, THUS AVOIDING VIBRATION AND DISLOCATION"**.

IMPORTANT
The Salad Dryer was developed exclusively for drying leaves such as: lettuce, rucula, water-cress, and similars.
It is absolutely prohibited to centrifuge heavy green vegetables, tubers and fruits.

3.2 Cleaning

To do cleaning proceed as follows:

- 1- Switch the machine off and unplug the machine from power supply, then wait for the Basket N°05 (Pic. 01) to come to a complete stop;
- 2- Remove the Lid N°01 (Pic.01) then the Basket pulling it up and wash them under running water.
- 3- Clean the inside of the machine (processing area) with a damp cloth or with running water if necessary.
- 4- Wipe the outside of the machine with a damp cloth;
- 5- Reinstall the Basket following the above step n° 2 inversely, making sure it fits properly on the Pin N°02 (Pic.02) of the Central Shaft N°01 (Pic.02).

IMPORTANT
Take good care and use your machine correctly and safely.
It will only bring benefits to you.

3.2.1Cautions with Stainless Steel:

The Stainless Steel may present rust signs, which ARE ALWAYS CAUSED BY EXTERNAL AGENTS, especially when the cleaning or sanitization is not constant and appropriate.

The Stainless Steel resistance towards corrosion is mainly due to the presence of chrome, which in contact with oxygen allows the formation of a very thin protective coat. This protective coat is formed through the whole surface of the steel, blocking the action of external corrosive agents.

When the protective coat is broken, the corrosion process begins, being possible to avoid it by means of constant and adequate cleaning.

Cleaning must always be done immediately after using the equipment. For such end, use water, neutral soap or detergent, and clean the equipment with a soft cloth or a nylon sponge. Then rinse it with plain running water, and dry immediately with a soft cloth, this way avoiding humidity on surfaces and especially on gaps.

The rinsing and drying processes are extremely important to prevent stains and corrosion from arising.

IMPORTANT

Acid solutions, salty solutions, disinfectants and some sterilizing solutions (hypochlorites, tetravalent ammonia salts, iodine compounds, nitric acid and others), must be AVOIDED, once it cannot remain for long in contact with the stainless steel:

These substances attack the stainless steel due to the CHLORINE on its composition, causing corrosion spots (pitting).

Even detergents used in domestic cleaning must not remain in contact with the stainless steel longer than the necessary, being mandatory to remove it with plain water and then dry the surface completely.

Use of abrasives:

Sponges or steel wool and carbon steel brushes, besides scratching the surface and compromising the stainless steel protection, leave particles that rust and react contaminating the stainless steel. That is why such products must not be used for cleaning and sanitization. Scrapings made with sharp instruments or similar must also be avoided.

Main substances that cause stainless steel corrosion:

Dust, grease, acid solutions such as vinegar, fruit juices, etc., saltern solutions (brine), blood, detergents (except for the neutral ones), common steel particles, residue of sponges or common steel wool, and also other abrasives.

4.General Safety Practices

IMPORTANT

If any item from the GENERAL SAFETY NOTIONS section is not applicable to your product, please disregard it.

The following safety instructions are addressed to both the operator of the machine as well as the person in charge of maintenance. The machine has to be delivered to the operator in perfect conditions of use by the Distributor to the user. The user shall operate the machine only after being well acquainted with the safety procedures described in the present manual. READ THIS MANUAL WITH ATTENTION.

4.1 Basic Operation Practices

4.1.1 Dangerous parts

Some parts of the electric devices are connected to high voltage points. These parts when touched may cause severe electrical shocks or even be fatal. Never touch commands such as buttons, switches and knobs with wet hands , wet clothes and/or shoes. By not following these instructions operator could be exposed to severe electrical shocks or even to a fatal situation.

4.1.2 Warnings

The operator has to be well familiar with the position of ON/OFF Switch to make sure the Switch is easy to be reached when necessary. Before any kind of maintenance, physically remove plug from the socket.

Provide space for a comfortable operation thus avoiding accidents. Water or oil spilled on the floor will turn it slippery and dangerous. Make sure the floor is clean and dry.

Before giving any manual command (switch, buttons, turn keys or lever) be sure the command is the correct one. Check this manual for further details if necessary.

Never use a manual command (switch, buttons, lever) unadvisedly. If any work is to be made by two or more persons, coordination signs will have to be given for each operation step. Every step of the operation shall be taken only if the sign has been made and responded.

4.1.3 Advices

In case of power shortage, immediately turn the machine OFF. Use recommended or equivalent lubricants, oils or greases. Avoid mechanical shocks as they may cause failures or malfunction. Avoid penetration of water, dirt or dust into mechanical or electrical components of the machine.