

PRODUCTS

SKYMSSEN®

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USER INSTRUCTIONS

OIL CENTRIFUGE FOR FRIED PRODUCTS

MODEL

CL-04

PRODUTOS

SKYMSSEN®

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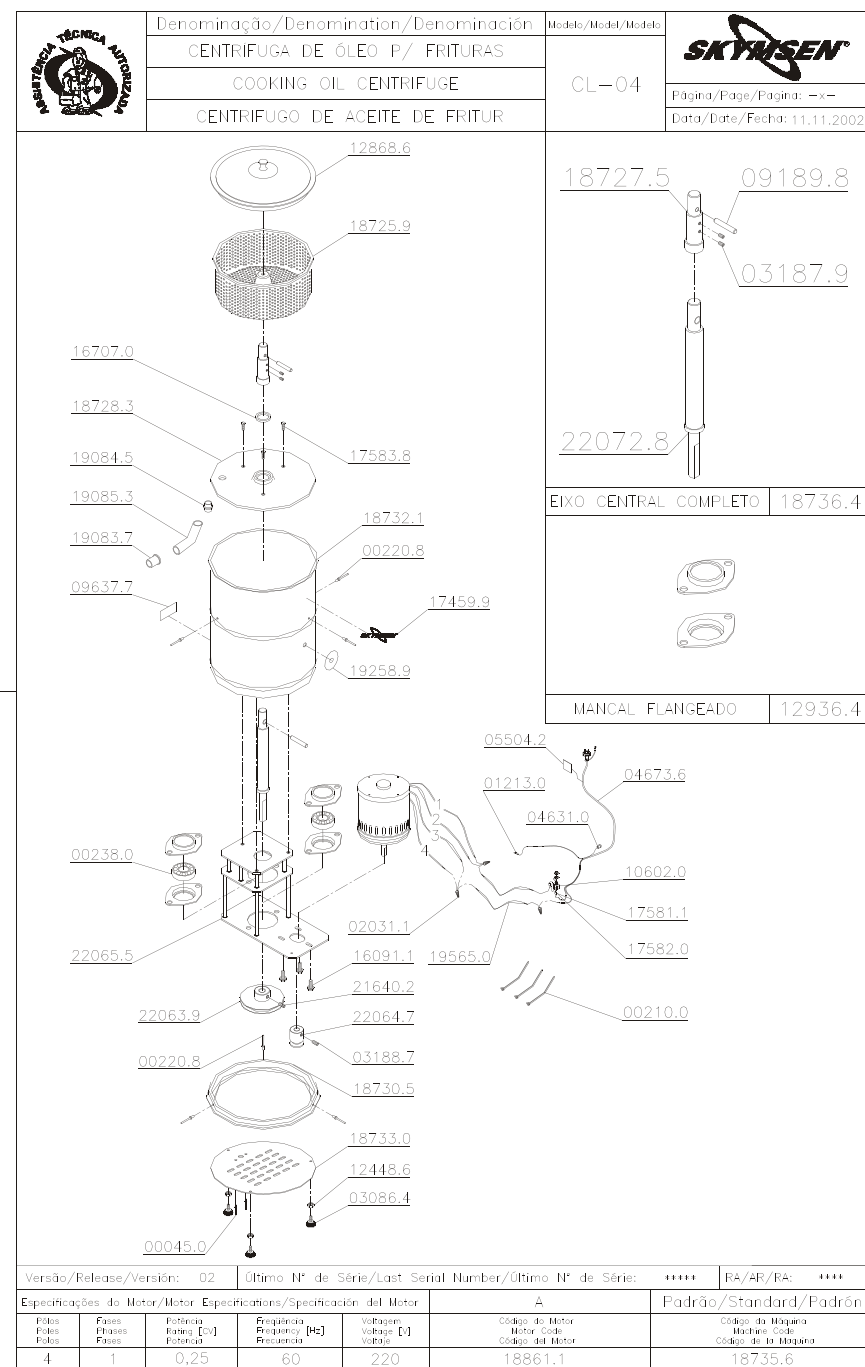
- ALÉM DESTAS MÁQUINAS, FABRICAMOS UMA LINHA COMPLETA DE EQUIPAMENTOS. CONSULTE SEU REVENDEDOR.
- ESTE PRODUTO CONTA COM ASSISTÊNCIA TÉCNICA, REPRESENTANTES E REVENDEDORES EM TODO TERRITÓRIO NACIONAL.
DEVIDO À CONSTATANTE EVOLUÇÃO DOS NOSSOS PRODUTOS, AS INFORMAÇÕES AQUI CONTIDAS PODEM SER MODIFICADAS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

22334.4 JUN/2004

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5.4 Exploded Drawing Mod. CL-04



5.3 Spare Parts Mod CL-04

1	00045-0	REBITE PRESSAO AD-423-S	MI
2	00210-0	ABRACADEIRA K22 (T-50R)	CE
3	00220-8	REBITE PRESSAO AD-440-S	MI
4	00238-0	ROLAMENTO 6204 Z	PC
5	00453-7	PFS B.4,2x9,5 DIN 7971 ZB	CE
6	00577-0	CORREIA FRAC.1160-UNIVER.	PC
7	01213-0	TERM. PRE-ISOL.EF-4228	MI
8	01307-2	CHAVE HH-201 SF1G3FS1Q	PC
9	02031-1	CAPINHA DE NYLON CN-4472	MI
10	02729-4	PCA M8 DIN 934 ZB	CE
11	02730-8	ARR.L.A8,4 DIN 125 ZB	CE
12	03086-4	PE DE BOR.C/PARAF.M6x17mm	PC
13	03187-9	PFS M4x8 DIN 916 ZB	CE
14	03188-7	PFS M6x8 DIN 916 FOSF.	CE
15	04631-0	PRENSA CABO PC 8,8mm	PC
16	04673-6	CB.3x0,75mm2C/PG90\$2PRI1FT	PC
17	05193-4	FIO LIGACAO CHAVE 110/220	PC
18	05504-2	ETIQ.ATENCAO 110/220/380V	CE
19	09189-8	PINO TRAVA DO DISCO	PC
20	09534-6	TUBO TERMO ENCOL.1/4x20mm	PC
21	09637-7	ETIQ.IDENTIF.MOTOR/RESIST	PC
22	10602-0	CHAVE EL.14227 A1B1E3Q	PC
23	12448-6	PCA M6 DIN 934 INOX	CE
24	12868-6	TAMPA DO COPO LAR-15	PC
25	12936-4	MANCAL FLANGEADO	PC
26	16707-0	RETENTOR 0168-2 BRG	PC
27	17459-9	LOGOTIPO SKYSEN 60x25	DE
28	17581-1	TERM.POSITIV LOCK 0,5A1,5	MI
29	17582-0	CAPA P/TERMINAL FEMEA	MI
30	17583-8	PFS M5x16 ZA TRILOB.PHILL	CE
31	18725-9	CESTO DE CENTRIF.COMPLETO	PC
32	18727-5	EIXO CENTRAL CL-04	PC
33	18728-3	FUNDO DO GABINETE CL-04	PC
34	18730-5	ARO DA BASE CL-04	PC
35	18732-1	GABINETE CL-04	PC
36	18733-0	CHAPA DE FECHAMENTO CL-04	PC
37	18736-4	EIXO CENTRAL COMPLETO	PC
38	18737-2	MOTOR COMPLETO 0,25CV 60H	PC
39	18861-1	MOTOR 0,25CV 60Hz	PC
40	19059-4	PFS M8x16 DIN 933 ZB	CE
41	19083-7	NIPEL PARA SAIDA DO OLEO	PC
42	19084-5	NIPEL P/ENTRADA DO OLEO	PC
43	19085-3	TUBO DE SAIDA 1/2"X 80mm	PC
44	19258-9	ETIQUETA DESLIGADO/PULSAR	DE
45	21640-2	PFS M8x8 DIN 916 FOSF.	CE
46	22063-9	POLIA MOVIDA DIAM.110	PC
47	22064-7	POLIA MOTORA DIAM.31	PC
48	22065-5	CS SUPORTE DO MOTOR	PC
49	22072-8	EIXO PROLONGADOR	PC
50	22082-5	EIXO CENTRAL COMPLETO	PC
51	22113-9	MOTOR 220V C/CABO	PC

1. INTRODUCTION

1.1 SAFETY

The Oil Centrifuge for Fried Products Mod CL-04 is a simple equipment to operate and easy to clean, but, for your better safety, read the following instructions to avoid accidents.

- 1.1.1 Disconnect the equipment from power source, while cleaning, maintaining or any other kind of job.
- 1.1.2 Never use instruments that don't belong to the equipment to help operation.
- 1.1.3 Before to start the machine, check if the Centrifuge Basket (Pic 02) and the Lid # 1 (Pic 1) stay firm on their position.
- 1.1.4 Never use water jets directly over the machine.
- 1.1.5 Never use clothes with long sleeves, mainly at the wrist, during the operation.
- 1.1.6 Never turn the machine on with wet clothes or wet feet.
- 1.1.7 When installing the machine, don't forget to connect the earth wire.

1.2 Mains Components

All the components belonging to the machine are built with carefully selected material suitable for its function, following Siemens standards and experience.

- 1- LID
- 2- CABINET
- 3- PULSE SWITCH
- 4- OIL DRAIN
- 5- NON-SKID FEET

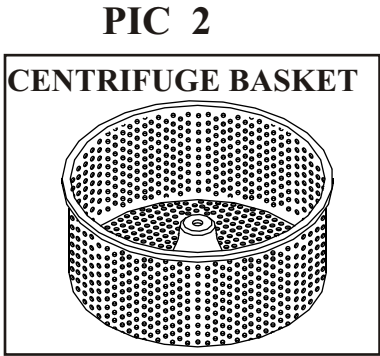


Table - 01

CHARACTERISTICS	M.U.	CL - 04
Voltage	[V]	110 o 220
Frequency	[Hz]	50 o 60 (*)
Power	[CV]	1/4
Height	[mm]	380
Lenght	[mm]	300
Width	[mm]	310
Net Weight	[kg]	7,4
Gross Weight	[kg]	9,0
Consumption	[KW.h]	0,18

(*) Frequency and Voltage can be only one, according to machine motor characteristics

2. Installation and Pre-Operation

2.1 Installation

To have a good machine performance, the Oil Centrifuge Mod CL-04 must be installed over a steady surface with, a preferable 850mm height. When you start the oil centrifugation, place a recipient under the Oil Drain to collect the oil. This oil can be used again to fry.

2.2 Pre-Operation

IMPORTANT
When you place the Centrifuge Basket (Pic-02), check if it is well fitted

Check if Oil Centrifuge holds well on its position. Before to use the machine, you must wash with soap and water the parts which will be in contact with the product.

5. Problems Analysis and Solutions

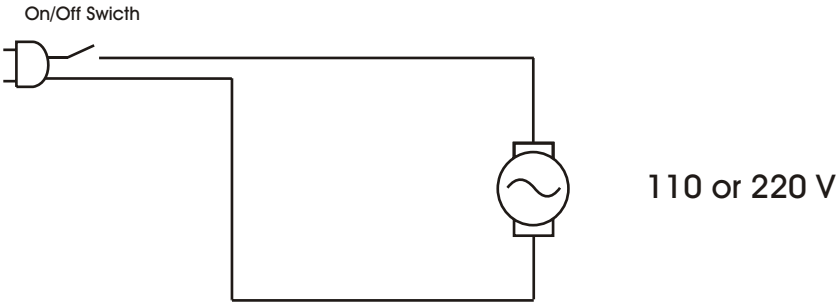
5.1 Problems, Causes and Solutions

The Oil Centrifuge was developped to need a minimum of maintainance. However, some problems can happen, due to natural wear caused by the equipment use. In case of some problem check the Table 04 bellow where some recommended possible solutions, are shown

Table - 04

Problemas	Causas	Soluciones
Machine does not start	Electric power shortage Problem on internal or external electric circuit	Check if the plug is connected and electricity is short cut Call your Dealer
The machine Vibrate	Product not regularly disposed	Dispose the product regularly.
Oil stay inside the machine	Oil Drain is bloked	Clean the Oil Drain.

5.2 Electrical Diagram



4.4Operation

4.4.1 Notices

Don't work with long hair that can touch in any part of the machine, because they can cause serious accidents. Hold them back or cover them.
Only trained and qualified people shall operate the machine.
NEVER operate the machine , without any of its safety accessories..

4.5After work's end

4.5.1 Cautions

Always clean the machine, but remenber to unplug it before cleaning.
Never clean the machine before the machine is totally stopped, put all components back, before to use the machine again.

4.6 Maintainance Operation

4.6.1 Dangers

Any mantainace operation with the machine switched on is dangerous.. SWITCH THE MACHINE OFF AND UNPLUG THE MACHINE, WHILE ANY MANTAINACE OPERATION IS ACHIEVED.

IMPORTANT
Allways umplug the machine in case of emergency

4.7 Notices

Eletrical or Mechanical maintainance must be done by qualified people.
The person responsible for maintainance must be sure that the machine is working under Total Safety Conditions.

3. Operation

3.1 Starting

Be sure that the Centrifuge Basket (# 02) is well fitted.
Don't forget to put the Lid No. 01(Pic 01) to avoid oil sprinkle and product ejection.
To turn the machine on press the PULSE switch No.03 located at the Cabinet No.02 (Pic-01) during 3 seconds, releasing the PULSE switch, repeating this procedure 3 times. Remove the Lid and check the oil remains on the product.

IMPORTANT
Press the PULSE key No.03 located at the Cabinet No.02 (Pic-01) during 3 seconds, releasing the PULSE SWITCH and repeating this procedure 3 times.

3.2 Loading

With the Centrifuge basket well fitted, dispose the product to be processed equally inside the basket, not passing over the limit of the Basket oil drainage Holes. (Pic-02)

IMPORTANT
To avoid vibration during centrifugation, dispose the product to be processed equally inside the basket.

3.3 Cleaning

IMPORTANT
Never clean the machine with machine plugged on power source. Therefore, unplug the machine. Before to remove the basket, be sure that the machine motor is totally stopped.

All movable parts must must be removed and cleaned.
Procedures to be followed to remove the movable parts:

3.3.1Turn the machine off and keep it unplugged from power source.

3.3.2Remove the Lid No.01 (Pic-01), and the basket (Pic 02)

3.3.3Wash all parts with water and neutral soap, and dry them.

3.3.4To assemble the removed parts, follow the above mentioned inverse procedure.

4. General Safety Advices

The safety advices were developed to instruct the machine users and to those who will be responsible for its maintainance.

The machine can only be delivered to the user in good conditions, the user must be oriented by the dealer about the machine use and safety. The user shall operate the machine after the complete understanding of the machine, **READING ALL THE INSTRUCTION MANUAL**.

4.1 BASIC OPERATION PROCEDURES

4.1.1 Dangers

Some electrical parts have spots or terminals with high voltage. These ones, when touched, can cause electrical shocks or even DEATH to the user.

Never touch any manual comand (button, electrical switch, etc) with wet hands, shoes or clothes. Not following this recommendation can also cause electric shocks or DEATH to the user.

4.1.2 Warnings

The PUSLE/ON switch position must be well known, to be used any time without need to be looked for.

Before any kind of maintainance, unplug the machine from power source.

Leave enough space for working to avoid dangerous falls.

Water and oil can turn the floor slippery and dangerous. To avoid accidents, floor must be dry and clean.

Never touch or turn manual commands on (Buttons, Electrical Swicth, etc) unless you need.

If some work must be made by two or more people, coordination signs must be adopted for each operation step. The next step must not be started before the sign has been given.

4.1.3 Notices

Be sure that the instructions showed on this manual are completely understood. Every function or procedure of operation and maintainance must be clear.

A manual command (Buttons, Electrical Switch, etc) must be used olny after to be sure the command is the correct one.

When an electrical power shortage happens, turn the machine off and unplug it.

Use only recommended lubrification oils.

Avoid mechanical shocks, because they can cause problems and damages to the machine.

Avoid water or dirt get into the mechanical and electrical parts of the machine.

DON'T CHANGE machine original characteristics.

DON'T REMOVE OR RIP ANY SAFETY OR IDENTIFICATION LABELS. In case any label are unreadable or has been removed ask from new labels for your closer Technical Assistance or Dealer.

4.2 Cares and Observations before to start the machine

IMPORTANT

Read carefully the INSTRUCTIONS manual before to start the machine. Verify if you understood correctly all the information. In case of doubt, ask your superior or Dealer.

4.2.1 Danger

Electric wire with damaged insulation, can produce electrical shocks. Before to use them check their conditions.

4.2.2 Notices

Be sure that the manual INSTRUCTIONS have been completely understood. Each maintainance operation function or procedure must be clear.

Manual command (Buttons, Electrical SWITCH, etc) must be used only after to be sure the command is the correct one.

4.2.3 Cautions

The Electric Cable must have the suitable size to support the electrical power consumption.

Electric wires running on the floor or close to the machine, must be protected to avoid short cicuit.

4.3 Routine Inspection

4.3.1 Cautions

Check, motor, and running parts, when you hear strange sounds.

Check protections and safety systems to work in suitable way.