



METALÚRGICA SIEMSEN LTDA.
CNPJ: 82.983.032/0001-19
Rua Anita Garibaldi, nº 262 - Bairro: São Luiz - CEP: 88351-410
Brusque - Santa Catarina - Brasil
Fone: +55 47 3211 6000 - Fax: +55 47 3211 6020
www.siemsen.com.br - comercial@siemens.com.br

45148.7 - VERSÃO 01 - 00001 ATÉ 99999 - INGLES

Data de Correção: 02/02/2012

- 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.

WWW.SIEMSEN.COM.BR

INSTRUCTION MANUAL



JUICE EXTRACTOR, STAINLESS STEEL, STAINLESS STEEL LIQUID
CHAMBER

MODEL
ESB

SUMMARY

1. Introduction	3
1.1 Safety	3
1.2 Main Components	5
1.3 Technical Characteristics	6
2. Instalation and Pre-Operation.....	6
2.1 Installation	6
2.1 Pre- Operation	7
3. Operation	7
3.1 Starting.....	7
3.2 Operating Procedures	7
3.3 Cleaning.....	8
3.4 Cautions with Stainless Steel:	9
4. General Safety Practices	10
4.1 Basic Operation Practices.....	10
4.2 Safety Procedures and Notes before Switching the Machine ON	11
4.3 Routine Inspection.....	11
4.7 Warning.....	12
4.4 Operation	12
4.5 After Finishing The Work.....	12
4.6 Maintenance	12
5. Analysis and Problems Solving.....	13
5.1 Problem, causes and solutions	13
6. Applicable Norms	15
7. Electric Diagram.....	16

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

1. Introduction

1.1 Safety

The Juice Extractor Model ESB are machines simple to use and to clean. However for your safety maintenance, cleaning or any other service shall be made only by duly trained people with the extractor unplugged. Read the following instructions in order to avoid accidents:

1.1.1 Read carefully all the instructions

1.1.2 To avoid electric shock risk and damages to the equipment , never operate it wearing wet clothes or shoes , resting on wet surfaces , nor plunge it in water or any other liquid , and do not throw water directly on the equipment.

1.1.3 Any equipment shall always be operated under supervision, principally when used near children.

1.1.4 Unplug the equipment from electric source when: it is not being used, before cleaning or before to insert or remove accessories, and when any maintenance or service is to be done.

1.1.5 Do not operate any equipment having a damaged cord or plug. The cord shall not rest on hot surfaces nor on table edges

1.1.6 If your equipment is failing or has been dropped or damaged any way, take it to Technical Assistance to repair, or for electric or mechanical adjustment.

1.1.7 Using accessories not recommended by the manufacturer, may cause personal injuries.

1.1.8 Before to switch ON the extractor check if the crown # 09 or 10 (Pic. 01) and the liquid chamber # 02 (Pic. 01) are well fitted on their positions .

The equipment has an additional safety protection in case of failure. The integrity of the operator and of the machine are assured in case of adversity. The protection is a thermal relay. If the equipment stops short, unplug the extractor, wait some 5 minutes replace the plug and switch the extractor OFF and then back ON.

IMPORTANT

Make sure the electric cord is in perfect usage conditions. In case it is not, have it replaced by another that complies with the technical and safety specifications. This replacement must be carried out by qualified personnel and must attend the local safety standards.

IMPORTANT

Make sure the electric cord is in perfect usage conditions. In case it is not, have it replaced by another that complies with the technical and safety specifications. This replacement must be carried out by qualified personnel and must attend the local safety standards.

IMPORTANT

This equipment must not be used by individuals with reduced physical, sensorial or mental capabilities nor children. Individuals without proper training and experience must not operate this equipment unless they receive proper training and instructions or are operating it under the supervision of a person who is responsible for their safety.

IMPORTANT

This equipment must not be used by individuals with reduced physical, sensorial or mental capabilities nor children. Individuals without proper training and experience must not operate this equipment unless they receive proper training and instructions or are operating it under the supervision of a person who is responsible for their safety.

IMPORTANT
We recommend that children must be constantly monitored to make sure they are not playing with the equipment.

IMPORTANT
We recommend that children must be constantly monitored to make sure they are not playing with the equipment.

IMPORTANT
Never spray water directly upon the equipment.

IMPORTANT
Never spray water directly upon the equipment.

IMPORTANT

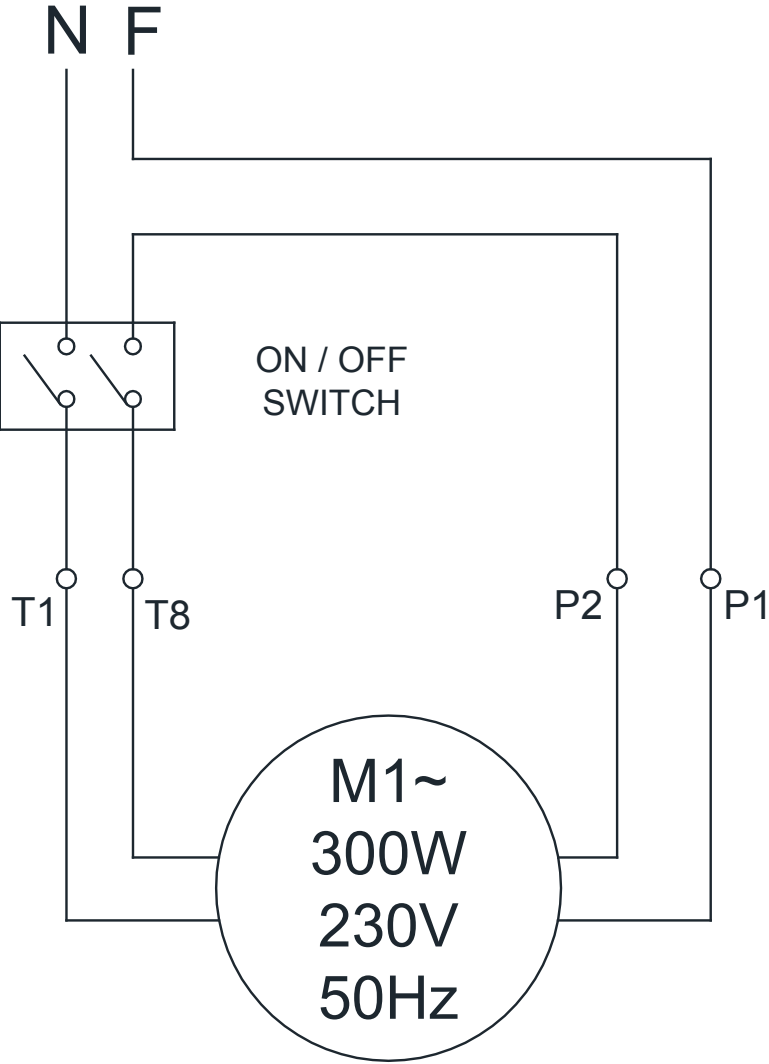
If any emergency shall arise the plug must be disconnected from the electrical grid.

IMPORTANT

If any emergency shall arise the plug must be disconnected from the electrical grid.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

7. Electric Diagram



1.2 Main Components

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



- 01 - Lid
- 02 - Liquid Chamber
- 03 - Motor Support Flange
- 04 - Motor Housing
- 05 - Base

- 06 - ON/OFF Switch
- 07 - Cord with Plug
- 08 - Cup
- 09 - Small Crown
- 10 - Large Crown

1.3 Technical Characteristcs

TABLE 01

CARACTERÍSITCAS	UNIDADE	ESB
Average Production	Oranges /min.	15
Voltage	V	230
Frequency	Hz	50
Power Rating	W	300
Consumption	kW/h	0,30
Height	mm	400
Width	mm	250
Depth	mm	300
Net Weight	kg	10
Shipping Weight	kg	12
Speed	rpm	1750

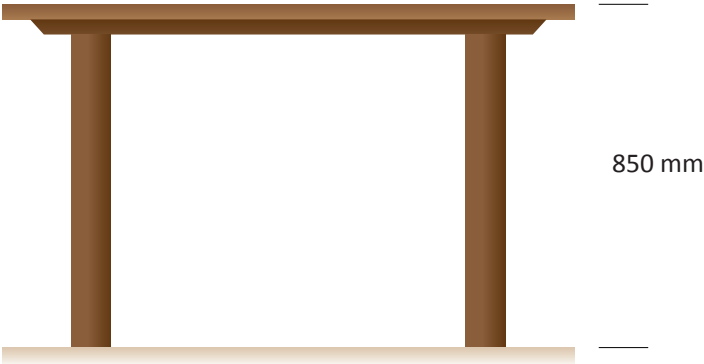
2. Instalation and Pre-Operation

2.1 Installation

To obtain a good performance of the Juice Extractor Model ESB it shall preferably be installed on a stable surface about 850 mm above floor.

Check electric source voltage, voltage shall be 230 V.

The cord has three round pins (Pic. 02) one of them is ground. It is mandatory the three pins to be duly connected before to start the machine.

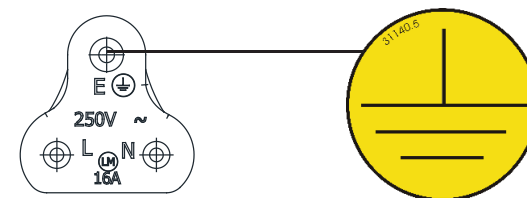


6. Applicable Norms

Brazilian Norm ABNT NBR NM 60335-1
IEC Norm 60335-2-64

TABLE 02

PROBLEMS	CAUSES	SOLUTIONS
- The machine does not start.	- Electric energy shortage; - Problem with the internal or external wiring	- Check electric Energy source. - Call Technical Assistance.
- The crown turns,however when the product is pressed is stops.	- The crown link is worn or broke.	- Change the crown.
- Danaged cord.	- Transportation accident.	- Call Technical Assistance;



2.1 Pre- Operation

IMPORTANT

When placing the Crown, N° 09 or N° 10 , check if it is well fitted

Be sure the Juice Extractor is stable. Before to use all the parts that will be in contact with the food to be processed, shall be washed with water and soap, See item 3.3 Cleaning..

3. Operation

3.1 Starting

The extractor shall be perfectly stable.

Remove the Lid N° 01 (Pic 01).

Be assured the Crown is well fitted.

o start the machine place the ON/OFF Switch N° 06 (Pict 01) on position ON.

The switch is fitted on the machine base N°05 (Pict .01).

IMPORTANT

Wait the motor to be completely still when it is desired to change the Crowns.

3.2 Operating Procedures

The Juice Extractors are high speed machines.

First cut the orange or the lemon in two halves.

Start the machine and grab firmly on half of the fruit , then press it on the crown N° 09 or N° 10 (Pict 01) , automatically the fruit juice will flow through the sieve into the cup N°08 (Pict.01).

3.3 Cleaning

IMPORTANT

Never clean the machine if connected to the electric network. To clean unplug the machine. Before to lift the Crown, be sure the motor is completely still.

The extractor must be totally cleaned and hygienized any time as follows:

- Before to use it the first time.
- After each day operation.
- Any times the extarctor has remained out of operation for a long period.

Some extractor parts may be removed for cleaning:

- Cup
- Lid
- Sieve
- Liquid chamber
- Small crown
- Large crown .

All removable parts shall be removed and cleaned with water and neutral ph detergent.

Below find the procedure to remove the moving parts:

3.3.1 Switch OFF the machine and unplug it.

3.3.2 Remove the Lid #.01 (pict 01) , the Crown #.09 or #. 10 (Pict.01) , and after remove the Liquid Chamber #. 02 (Pict 01).

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

3.3.4 To assemble the parts proceed following the inverse procedure.

IMPORTANT

Never use water jets to wash rhe extractor.



5. Analysis and Problems Solving

5.1 Problem, causes and solutions

The Juice Extractor Mod. ESB were designed to operate with the need of minimum maintenance but the natural wearing caused by long use of the equipment may occasionally cause some malfunctions.

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

When checking the tension of belts or chains DO NOT insert 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 Warnings
Do not use the machine with long hair that could touch any part of the machine. This might lead to a serious accident. Tie your hair up well and/or cover it with a scarf.
Only trained or skilled personnel shall operate this machine.
Never touch turning parts with your hands or any other way, NEVER operate the machine without any original safety devices under perfect conditions.

4.5 After Finishing The Work

4.5.1 Precautions
Always TURN THE MACHINE OFF before cleaning by removing the plug from the socket.
Never clean the machine unless it has come to a complete stop.
Put all the components back to their functional positions before turning the machine ON again.
Check the level of oil.
Do NOT insert 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 remove the plug from the socket in any emergency situation.

4.7 Warning
Electrical or mechanical maintenance has to be undertaken by qualified personnel. The person in charge of maintenance has to be sure that the machine is under TOTAL SAFETY conditions when working.

3.4 Cautions 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 recommendation is not applicable to your equipment, please ignore 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 only 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 Dangers

Some areas of the electric device have parts that are connected or have parts connected to high voltage. These parts when touched may cause severe electrical shocks or even be lethal.

Never touch manual commands such as switches, buttons, turning keys and knobs with your hands wearing wet clothes and/or wet shoes. By not following these instructions operator could be exposed to severe electrical shocks or even to a lethal 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 using any commands (switch, buttons, lever), be sure it is the correct one. In case of doubt, consult this manual.
- * Never touch any manual commands (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 a sign has been made and responded.

4.1.3 Advices

- * In case of power shortage, immediately switch the machine off.
- * Use recommended or equivalent lubricants, oils or greases.
- * Avoid mechanical shocks, once they may cause damages or bad functioning.
- * Avoid water, dirt or dust contact to the mechanical and electrical components of the machine.
- * **DO NOT** change the standard characteristics of the machine.

* **DO NOT** remove, tear off or maculate any safety or identification labels stuck on the machine. If any labels have been removed or are no longer legible, contact your nearest dealer for replacement.

4.2 Safety Procedures and Notes before Switching the Machine ON

IMPORTANT

Carefully read ALL INSTRUCTIONS of this manual before turning the machine ON. Be sure to well understand all the 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 might cause electrical shocks as well as electrical leak. Before use, check the conditions of all wires and cables.

4.2.2 Advices

Be sure to well understand all the information contained in this manual. Every operation function or procedure has to be thoroughly clear.

Before using any commands (switch, buttons, lever), be sure it is the correct one. In case of doubt, consult this manual.

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.

The oil reservoirs have to be filled until the indicated level. Check and refill if necessary.

OBSERVATION

For your own safety read all the machine stickers.

4.3 Routine Inspection

4.3.1 Advice

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

4.3.2 Precautions

Check the motor and sliding or turning parts of the machine in case of abnormal noises. Check the tension of the belts and chains and replace the set when belts or chains show signs of wearing.