Vertical desktop autoclaves
Pressure regulator

Vertical stand autoclaves.
Microprocessor control and atmospheric purge

Water distiller for autoclaves

Horizontal stand autoclave
Microprocessor control

Horizontal stand autoclaves
Microprocessor control and fractional vacuum purge

Polypropylene and polyester bag sealers

Autoclaves for preserved food
ELECTRICAL AUTOCLAVES FOR STERILIZATION

Wide range of electrically heated bench top and top loading autoclaves. Pressure range from 0.62 to 2 bar, Capacity: 1.5, 8, 12, 18, 20, 23, 25, 50, 80 and 150 litres.

Complies with the pressure and autoclave directives

• 50 Years of sterilization experience.
• Quality and innovation.
• A new dimension in design and technology

PRINCIPAL OF STEAM STERILIZATION:

STERILIZATION IS THE PROCESS OF THE DESTRUCTION AND ELIMINATION OF ALL FORMS OF MICROBIAL LIFE, INCLUDING BACTERIA AND ITS SUB-FORMS.

THE LABORATORY AUTOCLAVE CONSISTS OF A VESSEL IN WHICH STEAM FLOWS AT A HIGH PRESSURE WITH A STERILIZATION PURPOSE. SATURATED STEAM WILL IMMEDIATELY CONDENSE AND THUS RELEASING ITS HIGH EVAPORATION HEAT, WHICH IS IN FACT THE DESTRUCTIVE AGENT. IN ORDER THAT STERILIZATION WOULD BE EFFECTIVE, STEAM MUST BE SATURATED AND, CONSEQUENTLY, ALL THE AIR INSIDE THE VESSEL MUST BE PURGED BEFORE INITIALIZING THE PROCESS.

IN THE FOLLOWING PAGES J.P. SELECTA OFFERS AN EXTENSIVE RANGE OF AUTOCLAVES WITH A CHOICE OF ATMOSPHERIC PURGING OR VACUUM PURGING SYSTEMS. A CHOICE OF MICROPROCESSOR CONTROLLED SYSTEMS ARE OFFERED INCLUDING DRYING CYCLES AT THE END OF THE STERILIZATION CYCLE.
Electrical Autoclaves for sterilization

### SUMMARY TABLE OF MODEL RANGE

<table>
<thead>
<tr>
<th>MODELS</th>
<th>Part No.</th>
<th>System</th>
<th>Capacity</th>
<th>Temperature °C</th>
<th>Pressure bar</th>
<th>Power W</th>
<th>Control</th>
<th>Purge control</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>MICRO 8</td>
<td>4001745</td>
<td>NO</td>
<td>8</td>
<td>121 and 134</td>
<td>1 and 2</td>
<td>1000</td>
<td>Pressure thermostat</td>
<td>Manual</td>
<td>Vertical bench top</td>
</tr>
<tr>
<td>MED 12</td>
<td>4001756</td>
<td>NO</td>
<td>12</td>
<td>121 and 134</td>
<td>1 and 2</td>
<td>1800</td>
<td>Pressure thermostat</td>
<td>Atmospheric</td>
<td>Vertical bench top</td>
</tr>
<tr>
<td>MED 20</td>
<td>4001757</td>
<td>NO</td>
<td>20</td>
<td>121 and 134</td>
<td>1 to 2</td>
<td>2500</td>
<td>Pressure thermostat</td>
<td>Atmospheric</td>
<td>Vertical</td>
</tr>
<tr>
<td>PRESOCLAVE III 50</td>
<td>4001758</td>
<td>NO</td>
<td>50</td>
<td>115 to 134</td>
<td>0.6 to 2</td>
<td>3600</td>
<td>Electronic controller</td>
<td>Atmospheric</td>
<td>Vertical</td>
</tr>
<tr>
<td>PRESOCLAVE III 80</td>
<td>4002136</td>
<td>NO</td>
<td>80</td>
<td>115 to 134</td>
<td>0.6 to 2</td>
<td>3600</td>
<td>Electronic controller</td>
<td>Atmospheric</td>
<td>Vertical</td>
</tr>
<tr>
<td>AUTESTER ST DRY PV-B 12</td>
<td>4001727</td>
<td>YES</td>
<td>12</td>
<td>121 and 134</td>
<td>1 and 2</td>
<td>1800</td>
<td>Microprocessor</td>
<td>Purged vacuum</td>
<td>Horizontal bench top</td>
</tr>
<tr>
<td>AUTESTER ST DRY PV-B 18</td>
<td>4001734</td>
<td>YES</td>
<td>18</td>
<td>121 and 134</td>
<td>1 and 2</td>
<td>1500</td>
<td>Microprocessor</td>
<td>Purged vacuum</td>
<td>Horizontal bench top</td>
</tr>
<tr>
<td>AUTESTER ST DRY PV-B 23</td>
<td>4001735</td>
<td>YES</td>
<td>23</td>
<td>121 y 134</td>
<td>1 and 2</td>
<td>1700</td>
<td>Microprocessor</td>
<td>Purged vacuum</td>
<td>Horizontal bench top</td>
</tr>
<tr>
<td>AUTESTER ST DRY PV-III 25</td>
<td>4002420</td>
<td>YES</td>
<td>25</td>
<td>105 to 134</td>
<td>0.21 to 2</td>
<td>2510</td>
<td>Microprocessor</td>
<td>Purged vacuum</td>
<td>Horizontal bench top</td>
</tr>
<tr>
<td>AUTESTER ST DRY PV-III 50</td>
<td>4002516</td>
<td>YES</td>
<td>50</td>
<td>105 to 134</td>
<td>0.21 to 2</td>
<td>3600</td>
<td>Microprocessor</td>
<td>Purged vacuum</td>
<td>Vertical</td>
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<tr>
<td>AUTESTER ST DRY PV-III 80</td>
<td>4002517</td>
<td>YES</td>
<td>80</td>
<td>105 to 134</td>
<td>0.21 to 2</td>
<td>3600</td>
<td>Microprocessor</td>
<td>Purged vacuum</td>
<td>Vertical</td>
</tr>
<tr>
<td>AUTESTER ST DRY PV-III 150</td>
<td>4002518</td>
<td>YES</td>
<td>150</td>
<td>105 to 134</td>
<td>0.21 to 2</td>
<td>7500</td>
<td>Microprocessor</td>
<td>Purged vacuum</td>
<td>Vertical</td>
</tr>
<tr>
<td>STERIL-FOOD COM 20</td>
<td>4002421</td>
<td>NO</td>
<td>20</td>
<td>70 a 121</td>
<td>1</td>
<td>2500</td>
<td>Microprocesador</td>
<td>Automatic</td>
<td>Vertical</td>
</tr>
<tr>
<td>STERIL-FOOD MAN 80</td>
<td>4002427</td>
<td>NO</td>
<td>80</td>
<td>70 to 121</td>
<td>1</td>
<td>3600</td>
<td>Microprocesador</td>
<td>Automatic</td>
<td>Vertical</td>
</tr>
<tr>
<td>STERIL-FOOD COM 80</td>
<td>4002422</td>
<td>NO</td>
<td>80</td>
<td>70 to 121</td>
<td>1</td>
<td>3600</td>
<td>Microprocesador</td>
<td>Automatic</td>
<td>Vertical</td>
</tr>
<tr>
<td>STERIL-FOOD MAN 150</td>
<td>4002428</td>
<td>NO</td>
<td>150</td>
<td>70 to 121</td>
<td>1</td>
<td>7500</td>
<td>Microprocesador</td>
<td>Automatic</td>
<td>Vertical</td>
</tr>
<tr>
<td>STERIL-FOOD COM 150</td>
<td>4002423</td>
<td>NO</td>
<td>150</td>
<td>70 to 121</td>
<td>1</td>
<td>7500</td>
<td>Microprocesador</td>
<td>Automatic</td>
<td>Vertical</td>
</tr>
</tbody>
</table>

### QUICK OVERVIEW

- **Control by Pressure with Atmospheric Purge:**
  - MICRO 8  MED 12  MED 20
- **Microprocessor Control of Temperature and Sterilization Cycle, Pulsed Vacuum Air Purge:**
  - AUTESTER ST DRY PV-B 12 (mod. horizontal)
  - AUTESTER ST DRY PV-B 18 (mod. horizontal)
  - AUTESTER ST DRY PV-B 23 (mod. horizontal)
- **Microprocessor Control of Temperature and Sterilization Cycle, Atmospheric Air Purge:**
  - AUTESTER P 1.5 (mod. vertical)
  - PRESOCLAVE III 50 (mod. vertical)
  - PRESOCLAVE III 80 (mod. vertical)

The printer can be built-in the autoclaves together with the control panel:
- AUTESTER ST DRY PV-III 50 (mod. vertical)
- AUTESTER ST DRY PV-III 80 (mod. vertical)
- AUTESTER ST DRY PV-III 150 (mod. vertical)
- PRESOCLAVE III 50 (mod. vertical)
- PRESOCLAVE III 80 (mod. vertical)

Three different control systems:

1. **Regulation System 1:** Control by Pressure with Atmospheric Purge: MICRO 8  MED 12  MED 20
2. **Regulation System 2:** Microprocessor Control of Temperature and Sterilization Cycle, Atmospheric Air Purge:
   - AUTESTER ST DRY PV-B 12 (mod. horizontal)
   - AUTESTER ST DRY PV-B 18 (mod. horizontal)
   - AUTESTER ST DRY PV-B 23 (mod. horizontal)
   - AUTESTER ST DRY PV-III 25 (mod. horizontal)
   - AUTESTER ST DRY PV-III 50 (mod. vertical)
   - AUTESTER ST DRY PV-III 80 (mod. vertical)

3. **Regulation System 3:** Microprocessor Control of Temperature and Sterilization Cycle, Pulsed Vacuum Air Purge:
   - AUTESTER ST DRY PV-B 12 (mod. horizontal)
   - AUTESTER ST DRY PV-B 18 (mod. horizontal)
   - AUTESTER ST DRY PV-B 23 (mod. horizontal)
   - AUTESTER ST DRY PV-III 25 (mod. horizontal)
   - AUTESTER ST DRY PV-III 50 (mod. vertical)
   - AUTESTER ST DRY PV-III 80 (mod. vertical)
   - AUTESTER ST DRY PV-III 150 (mod. vertical)

- RS-232 and USB interface output of parameters to a computer, printer or USB adapter.
Autoclaves for sterilization “MICRO 8”, “MED 12” and “MED 20”

PRESSURE REGULATOR THERMOSTAT OF 1 AND 2 bar. TEMPERATURES 121 ºC AND 134 ºC.

VERTICAL DESKTOP MODELS. “MICRO 8” CAPACITY: 8 LITRES. “MED 12” CAPACITY: 12 LITRES.

VERTICAL STAND MODEL “MED 20” CAPACITY: 20 LITRES.

An economic alternative. Semiautomatics.

COMMON FEATURES

AISI 304 stainless steel external case and top.

Stainless steel chamber and lid, with easy opening.

INCOLOY special stainless steel heater element, which provides long life, low corrosion and high temperatures resistance.

Manual air purge when starting (“MICRO 8” model).

Automatic atmospheric purge (“MED 12” and “MED 20” models).

Safety device to prevent lid opening.

Starting main switch.

SAFETY:

SAFETY VALVE: PREVENTS THE PRESSURE WITHIN THE AUTOCLAVE OVERPASSING THE MAXIMUM SET LIMIT.

SAFETY PRESSURE: DISCONNECTS POWER TO THE HEATER IN CASE OF OVERPASSING THE PRESSURE SET LIMIT.

SAFETY THERMOSTAT: DISCONNECTS THE HEATING IN CASE OF OVERTEMPERATURE OR LACK OF WATER IN THE TANK.

THERMALLY INSULATED LID MADE OF MOLDED THERMOPLASTIC.

REAR PART

Mains source.

Two fuse carriers.

Safety thermostat.

SIDE PART

Drain outlet.

Steam and drainage selective valve.

CONTROL PANEL

1. Pressure gauge.
2. Over temperature alarm light indicator.
3. Door open light indicator.
4. Sterilization phase light indicator.
5. Sterilization end of cycle light indicator.
6. Pressure selector 121ºC or 134ºC.
7. Light indicator at 121ºC.
8. Light indicator at 134ºC.
9. Timing from 0 to 60'.

Autoclave for sterilization “MICRO 8”

DESKTOP MODEL

MODEL

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Capacity litres</th>
<th>Ø (usable) cm</th>
<th>Height (cm)</th>
<th>Height/Width/Depth (cm)</th>
<th>Power W</th>
<th>Weight Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>4000745</td>
<td>8</td>
<td>24</td>
<td>15</td>
<td>40/38/38</td>
<td>1000</td>
<td>13</td>
</tr>
</tbody>
</table>

It comes complete with a stainless steel wire basket of Ø 22x14cm high. Part no. 1004771.
**Autoclave for sterilization “MED 12”**

DESKTOP MODEL

Features: see page 58

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Part No.</th>
<th>Capacity litres</th>
<th>Ø (usable) cm</th>
<th>Height cm</th>
<th>Height/Width/Depth (exterior) cm</th>
<th>Power W</th>
<th>Weight Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>MED 12</td>
<td>4001756</td>
<td>12</td>
<td>24</td>
<td>26</td>
<td>46</td>
<td>1800</td>
<td>18</td>
</tr>
</tbody>
</table>

It comes complete with a stainless steel wire basket of Ø 22x24cm high. Part no. 1004772.

**Autoclave for sterilization “MED 20”**

VERTICAL STAND MODEL.

CONFORMS TO APPARATUS PRESSURE REGULATION DIRECTIVES.

Features: see page 58

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Part No.</th>
<th>Capacity litres</th>
<th>Ø (usable) cm</th>
<th>Height cm</th>
<th>Height/Width/Depth (exterior) cm</th>
<th>Power W</th>
<th>Weight Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>MED 20</td>
<td>4001757</td>
<td>20</td>
<td>24</td>
<td>41</td>
<td>70</td>
<td>2500</td>
<td>41</td>
</tr>
</tbody>
</table>

It comes complete with two stainless steel wire baskets of Ø 22x24cm and Ø 22x14cm high. Part no. 1004772 and 1004771.
Autoclaves for sterilization “Presoclave III” 50 and 80

MICROPROCESSOR TEMPERATURE AND CYCLE CONTROL AND ATMOSPHERIC PURGE.

ELECTRONIC CONTROL OF TIME AND TEMPERATURE RANGE FROM 115 °C TO 134 °C. (0.62 TO 2 bar).

CONFORMS TO APPARATUS PRESSURE REGULATION DIRECTIVES.

VERTICAL MODEL: 50 AND 80 LITRES.

SAFETY:

SAFETY OVER PRESSURE VALVE: PREVENTS OVER PRESSURE ABOVE THE MAXIMUM SET LIMIT.

SAFETY PRESSURE SWITCH: DISCONNECTS POWER TO THE HEATER IF THE UNIT EXCEEDS THE MAXIMUM PRESSURE LIMIT.

SAFETY THERMOSTAT AND WATER LEVEL: DISCONNECTS POWER TO THE HEATER IF INSUFFICIENT WATER OR OVER TEMPERATURE.

SAFETY LID: PREVENTS THE LID BEING OPENED IF THE CHAMBER IS UNDER PRESSURE.

SAFETY INSULATION: THERMALLY INSULATED LID.

FEATURES

External case made from stainless steel.

INCOLOY stainless steel heater elements, hard wearing, resistant to corrosion and high temperatures.

Sterilization chamber and door made from stainless steel.

Automatic purge to atmosphere

Lid,6 point closure.

CONTROL PANEL

1. Pressure gauge.
2. Illuminated alarm indicator.
3. Illuminated indicator end of cycle.
4. Illuminated indicator door open
5. Temperature display.
6. Time display
7. Temperature set pushbutton (range from 115 °C to 134 °C).
8. Push button increase value.
9. Push button START
10. Push Button STOP
11. Push button Reduce value.
12. Push button select time, (range from 3’ to 99’).
13. Push button open lid.

MODELS

<table>
<thead>
<tr>
<th>Models</th>
<th>Part No.</th>
<th>Capacity</th>
<th>Ø</th>
<th>Height</th>
<th>Height / Width / Depth</th>
<th>Power W</th>
<th>Weight Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRESOCLOVAE III 50</td>
<td>4001756</td>
<td>50</td>
<td>30</td>
<td>70</td>
<td>117 48 62</td>
<td>3000</td>
<td>75</td>
</tr>
<tr>
<td>PRESOCLOVAE III 80</td>
<td>4002136</td>
<td>80</td>
<td>40</td>
<td>60</td>
<td>107 58 72</td>
<td>3600</td>
<td>100</td>
</tr>
</tbody>
</table>

Does not include baskets and drums, order separately.

ACCESSORIES: AISI 304 Stainless steel wire baskets and drums.
For Presoclave III 50, Part. no: 4001725.
Capacity, 3 baskets Ø 25 and 20 cm. height. Part No. 1000495
For Presoclave III 80, Part. no: 4002136.
Capacity, 2 baskets Ø 36 and 28 cm. height. Part No. 1000496
Sterilization drum made from AISI 304 stainless steel.
For Presoclave III 50, Part. no: 4001725.
Capacity, 3 drum Ø 25 and 18 cm. height. Part No. 1002418
For Presoclave III 80, Part. no: 4002136.
Capacity, 2 drum Ø 35 and 27 cm. height. Part No. 1002419

detergent Bio-Sel.

Water distillation unit especially for autoclaves.

USB adapter model. Pen-Drive included (Memory board) for data storage.
Part No: 4120131

COMPLEMENTS That needs to be factory installed:
Pt100 second sensor only temperature reader. Part No. 4001219 (see page 63).
Printer of continuous paper roll with print out of temperature, pressure, time and mode. Part No. 4002421 (see page 62).
Loading and unloading crane. Part No. 1002426 (see page 70).
Autoclaves for sterilization “Autester ST DRY PV III”

MICROPROCESSOR PROCESS CONTROL.
AUTOMATIC VACUUM DRY AND PURGE “PREVACUUM”
PROGRAMMABLE TEMPERATURE FROM 105 °C TO 134 °C (0.21 TO 2 bar).
CONFORMS TO APPARATUS PRESSURE REGULATION DIRECTIVES.
VERTICAL FLOOR STANDING MODEL: 50, 80 AND 150 LITRES.

CONFORMITY

EN 61010-1 SAFETY FOR EQUIPMENT FOR LABORATORY USE
EN 61010-2-040 SAFETY FOR STERILIZER EQUIPMENT FOR LABORATORY USE
EN 61326 ELECTROMAGNETIC COMPATIBILITY FOR EQUIPMENT FOR LABORATORY USE.

FEATURES

Stainless steel exterior and top.
Stainless steel lid.
Lid, six closure point system.
Pulsed vacuum system and atmosphere purge.
Incorporated steam generator, connected to the main chamber.
Water reservoir for clean water for the steam generator boiler.
External water connection if required.
8 function modes.
RS 232 for PC parameters printing (back side).
Printer output.
USB output for PEN-DRIVE data logging and Computer connection.
Connection for a second temperature sensor.
Memory for 9 customer set programs.

SAFETY

Safety: The lid cannot be opened if the chamber is under pressure.
Safety valve: Prevents over pressure over the maximum limit.
Safety pressure switch: switches the heater power off to if over pressure.
Safety Lid: insulated lid protection.

CONTROL PANEL

TFT touch screen with virtual pushbuttons.

1. Graphical representation of real time process
2. Start/Stop virtual pushbutton.
3. Running program.
4. Press indicator.
5. Temperature indicator.
6. Running program parameters.

BACK VIEW

1. Mains input.
2. External water supply.
5. Air in filter valve.
7. Safety thermostat.
8. Empty tank valve.
10. RS232 connector.
11. 2nd Temperature sensor connection.
MICROPROCESSOR FEATURES
The microprocessor controls the performing of the air extraction process, sterilizing and drying, executing the selected procedures and commands by the user, adjusting the following parameters:

- Sterilization temperature from 105°C up to 134°C.
- Sterilization time from 3' to 59'.
- Drying time from 20' to 60'.
- Up to 10 user-configurable programs.
- Six operating modes:
  - Solid 1 - Solid 2 fractions
  - Solid 3 fractions
  - Drying
  - Liquids
  - Liquids 2 probes
- Verification test
- Vacuum - Bowie Dick.
- Settings:
  - Units – languages (Spanish, English, French).
  - USB or printer module. - Clock: date/time.
  - External water: on/off.
- Password calibration
- Temperature probe 1 - Temperature probe 2
- Water dosing.
- Audible and visual alarm for overtemperature and insufficient temperature.
- Network failures detection and memorization
- Safety thermostat by software
- Sterilization cycles data logging with capacity for over 500 cycles.
  - Internal cleaning program
  - Software for PC
  - Temperature correction
  - Summarized user manual on screen
  - Graphical representation of real time process

Error messages of functions and program execution are displayed and an acoustic alarm sounds. The vapour generator automatically cuts out.

MESSAGES:

1. E 2PROM
2. RTC FAULT
3. SENSOR PRECISION
4. HEATER PROBE
5. CHAMBER PROBE
6. OVER PRESSURE
7. VACUUM
8. PRESSURE
9. BOILER TEMPERATURE
10. TEMPERATURE LOW FAULT
11. INPUT ERROR
12. STERILIZATION
13. LEVEL 1
14. LEVEL 2
15. DOOR
16. PRINTER NO PAPER
17. PAPER JAM
18. ELECTRICAL FAULT

PARAMETERS AND PROGRAMS PRE INSTALLED IN THE AUTOCLAVE MICROPROCESSOR
(Note: All these parameters are adjustable by the user)

<table>
<thead>
<tr>
<th>Program</th>
<th>Description</th>
<th>Temperature</th>
<th>Time Sterilization</th>
<th>Time</th>
<th>Purge</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Free</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1</td>
<td>Unwrapped instruments</td>
<td>134°C</td>
<td>4 min</td>
<td>15 min</td>
<td>2 (1)</td>
</tr>
<tr>
<td>2</td>
<td>Wrapped instruments</td>
<td>134°C</td>
<td>12 min</td>
<td>30 min</td>
<td>3 (2)</td>
</tr>
<tr>
<td>3</td>
<td>CJD</td>
<td>134°C</td>
<td>20 min</td>
<td>20 min</td>
<td>3 (2)</td>
</tr>
<tr>
<td>4</td>
<td>Delicate unwrapped</td>
<td>121°C</td>
<td>15 min</td>
<td>15 min</td>
<td>2 (1)</td>
</tr>
<tr>
<td>5</td>
<td>Delicate wrapped</td>
<td>121°C</td>
<td>30 min</td>
<td>30 min</td>
<td>3 (2)</td>
</tr>
<tr>
<td>6</td>
<td>Disinfecting</td>
<td>105°C</td>
<td>25 min</td>
<td>15 min</td>
<td>1 (3)</td>
</tr>
<tr>
<td>7</td>
<td>Liquids</td>
<td>121°C</td>
<td>30 min</td>
<td>-</td>
<td>1 (3)</td>
</tr>
<tr>
<td>8</td>
<td>Solids</td>
<td>121°C</td>
<td>15 min</td>
<td>30 min</td>
<td>1 (3)</td>
</tr>
<tr>
<td>9</td>
<td>Solids</td>
<td>134°C</td>
<td>4 min</td>
<td>30 min</td>
<td>1 (3)</td>
</tr>
</tbody>
</table>

(1) Double Vacuum purge.
(2) Triple Vacuum purge.
(3) Atmospheric purge (No vacuum).

Error messages of functions and program execution are displayed and an acoustic alarm sounds. The vapour generator automatically cuts out.

COMPLEMENTS: Factory fitted options.

Printer of continuous paper roll with print out of temperature, pressure, time and mode. Part No. 4002417
Pt100 Sensor (See page 63).
Loading and unloading crane. Part No. 1002426 (see page 70).

ACCESSORIES: AISI 304 Stainless steel wire baskets and drums.

For Autester ST DRY PV-II 50, Part No: 4002515.
Capacity, 3 baskets Ø 25,5 and 20 cm. height. Part No: 1000495
For Autester ST DRY PV-II 80, Part No: 4002425.
Capacity, 2 baskets Ø 36 and 28 cm. height. Part No: 1000496
For Autester ST DRY PV-II 150, Part No: 4002426.
Capacity, 3 baskets Ø 44,5 and 22 cm. height. Part No: 1000780
Sterilization drum made from AISI 304 stainless steel.

For Autester ST DRY PV-II 50, Part No: 4002515.
Capacity, 3 drum Ø 25 and 18 cm. height. Part No 1002418
For Autester ST DRY PV-II 80, Part No: 4002425.
Capacity, 2 drum Ø 35 and 27 cm. height. Part No. 1002419
Detergent Bio-Sel. (see page 63).
Water distillation unit especially for autoclaves. (see page 63).
### Accessories for Vertical Autoclaves

**AISI 304 Stainless Steel Wire Baskets.**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Ø cm</th>
<th>Height cm</th>
<th>Suitable for Autoclaves Part No.</th>
<th>Number of Baskets</th>
</tr>
</thead>
<tbody>
<tr>
<td>1004771</td>
<td>22</td>
<td>14</td>
<td>4001745</td>
<td>1</td>
</tr>
<tr>
<td>1004772</td>
<td>22</td>
<td>24</td>
<td>4001756</td>
<td>1</td>
</tr>
<tr>
<td>1004771</td>
<td>22</td>
<td>14</td>
<td>4001757*</td>
<td>1</td>
</tr>
<tr>
<td>1004772</td>
<td>22</td>
<td>24</td>
<td>4001757*</td>
<td>1</td>
</tr>
<tr>
<td>1000495</td>
<td>27</td>
<td>20</td>
<td>4001758 - 4002516</td>
<td>3</td>
</tr>
<tr>
<td>1000496</td>
<td>36</td>
<td>28</td>
<td>4002136 - 4002517</td>
<td>2</td>
</tr>
<tr>
<td>1000780</td>
<td>44</td>
<td>22</td>
<td>4002518</td>
<td>3</td>
</tr>
</tbody>
</table>

*Note:* For autoclave Part No. 4001757 supplied with 1 basket Part No. 1004771 + 1 basket Part No. 1004772.

**AISI 316 Stainless Steel Wire Dividers for Autoclave Baskets.**

- Part No. 1001217: 4 divider compartments for basket part no. 1000495.
- Part No. 1001218: 6 divider compartments for basket part no. 1000496.
- Part No. 1001222: 7 divider compartments for basket part no. 1000780.

**Sterilization Drums.**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Ø cm</th>
<th>Height cm</th>
<th>Suitable for Autoclaves Part No.</th>
<th>Capacity Drums</th>
</tr>
</thead>
<tbody>
<tr>
<td>1002418</td>
<td>25</td>
<td>18</td>
<td>4001758 - 4002516</td>
<td>3</td>
</tr>
<tr>
<td>1002419</td>
<td>35</td>
<td>27</td>
<td>4002136 - 4002517</td>
<td>2</td>
</tr>
<tr>
<td>1002420</td>
<td>28</td>
<td>18</td>
<td>Not Suitable for our Autoclaves</td>
<td></td>
</tr>
</tbody>
</table>

**Water Distiller, Specially for Autoclaves “DEST-4.”**

- Distillation capacity: 1.5 litres/hour. Internal capacity 4 litres.
- Case made from thermo resistant plastic.
- Internal stainless steel.
- Cooling by forced air though a condenser. Without glass heater elements.
- Easy to use. Safety cut out system if over temperature due to insufficient water.
- Comes complete with a 4 litre three way dispenser plastic bottle with filter.
- Note: for daily use it is recommended to change the filter every 3 months.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Capacity Litre/Hour</th>
<th>Conductivity µS/cm</th>
<th>Ø cm</th>
<th>Height cm</th>
<th>Power W</th>
<th>Weight Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>4001729</td>
<td>1.5</td>
<td>5</td>
<td>29</td>
<td>39</td>
<td>750</td>
<td>3.5</td>
</tr>
</tbody>
</table>

**Spare:** Dispenser spout with filter. Part No. 4001730

**Detergent “BIO-SEL.”**

- We recommend the use of BIO-Sel detergent for cleaning, it is also biodegradable and free from Phosphates.
- Part No. 1000029: Capacity 1 litre.
- Part No. 1000028: Capacity 4 litres.
- Part No. 1000852: Box of 12 x 1 litre flasks.
- Part No. 1000853: Box of 4 x 4 litre flasks.
**Autoclave for liquids and solids sterilization “Autester ST DRY PV III” 25**

**CAPACITY:** 25 LITRES. **SPACE FOR 12 BOTTLES OF 250 ML, 9 OF 500 ML, 3 OF 1000 ML AND 2 OF 2000 ML.**

**CONFORMS TO THE REGULATION - 97/23/CEE EQUIPMENT UNDER PRESSURE.**

**Complete selection of programs. Displays in English - Spanish - French.**

**FEATURES**

- Sterilization chamber and lid made from AISI 316 stainless steel.
- Digital control of all autoclave operations.
- Large back lit LCD 2 x 24 character display.
- Air filter, purifies air before entering in the sterilization chamber.
- Separate clean water reservoir and waste water.
- RS-232 Interface output of parameters to a computer or for printer.
- USB output for PEN-DRIVE data logging and Computer connection.

**SAFETY**

- Safety valve.
- Prevents the door being opened if under pressure or high temperature is produced.
- Temperature safety thermostat.
- Door closed correctly detector
- Thermally protected lid.

**MICROPROCESSOR FUNCTIONS**

Controlled parameters are:

- Sterilization temperature from 105°C up to 134°C.
- Sterilization time from 3’ to 59’.
- Drying time from 20’ to 60’.
- Up to 10 user-configurable programs.
- Six operating modes:
  - Solid 1 - Solid 2 fractions.
  - Solid 3 fractions - Drying - Liquids - Liquids 2 probes
  - Verification test
  - Vacuum - Bowie Dick.
- Settings:
  - Units – languages (Spanish, English, French).
  - USB or printer module.
  - Clock: date/time.
  - External water: on/off.
  - Password
  - Calibration
  - Temperature probe 1 - Temperature probe 2 - Water dosing.
  - Audible and visual alarm for overtemperature and insufficient temperature.
  - Network failures detection and memorization
  - Safety thermostat by software
  - Sterilization cycles data logging with capacity for over 500 cycles.
  - Internal cleaning program
  - Software for PC
  - Temperature correction
  - Summarized user manual on screen
  - Graphical representation of real time process

**CONTROL PANEL**

TFT touch screen with virtual pushbuttons.

1. Graphical representation of real time process
2. Start/Stop virtual pushbutton.
3. Running program.
4. Press indicator.
5. Temperature indicator.
6. Running program parameters.

**PARAMETERS AND PROGRAMS PRE INSTALLED IN THE AUTOCLAVE MICROPROCESSOR**

(Note: All these parameters are adjustable by the user)

<table>
<thead>
<tr>
<th>No.</th>
<th>Programme Description</th>
<th>Temperature</th>
<th>Time Sterilization</th>
<th>Time Dry</th>
<th>Time Purge</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Free</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1</td>
<td>Unwrapped instruments</td>
<td>134 °C</td>
<td>4 min</td>
<td>15 min</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>Wrapped instruments</td>
<td>134 °C</td>
<td>12 min</td>
<td>30 min</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>CJD</td>
<td>134 °C</td>
<td>20 min</td>
<td>20 min</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>Delicate unwrapped</td>
<td>121 °C</td>
<td>15 min</td>
<td>15 min</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>Delicate wrapped</td>
<td>121 °C</td>
<td>30 min</td>
<td>30 min</td>
<td>3</td>
</tr>
<tr>
<td>6</td>
<td>Disinfecting</td>
<td>105 °C</td>
<td>25 min</td>
<td>15 min</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>Liquids</td>
<td>121 °C</td>
<td>30 min</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>Solids</td>
<td>121 °C</td>
<td>15 min</td>
<td>30 min</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>Solids</td>
<td>134 °C</td>
<td>4 min</td>
<td>30 min</td>
<td>1</td>
</tr>
</tbody>
</table>

(1) Double Vacuum purge.
(2) Triple Vacuum purge.
(3) Atmospheric purge (No vacuum).

**MESSAGES:**

1. E2PROM
2. RTC FAULT
3. SENSOR PRECISION
4. HEATER PROBE
5. CHAMBER PROBE
6. OVER PRESSURE
7. VACUUM
8. PRESSURE
9. BOILER TEMPERATURE
10. TEMPERATURE LOW FAULT
11. INPUT ERROR
12. STERILIZATION
13. LEVEL 1
14. LEVEL 2
15. DOOR
16. PRINTER NO PAPER
17. PAPER JAM
18. ELECTRICAL FAULT

**ACCESSORIES**

- Ink Printer (no thermal).
  - Paper size 2 1/4” (56 mm) wide.
  - Includes communications and power cable.

**Model**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Height/Width/Depth cm</th>
<th>Power W</th>
<th>Weight Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>4120113</td>
<td>4 16 10 DC 5V 3A 1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Water distiller especially for Autoclaves. (See page 63).
- Bag sealers (See page 68).
- Special tray for bottles of 0.25, 0.5, 1 or 2 litres. Part No. 4002416
Autoclave for sterilization “Autester ST DRY PV” Class B

AUTOMATIC VACUUM DRY AND PURGE. PROGRAMS TO 121 °C AND 134 °C (1 AND 2 bar). MODEL HORIZONTAL. CAPACITY: 12, 18, AND 23 LITRES.

APPLICATIONS
"Class B" autoclaves are used within the field of general medicine, dentistry, veterinary, tattoo parlours and sterilization applications in general, to sterilize any material that could have been in contact with body fluids including blood.

The general capabilities of the instrument are regulated by EN 13060 that guarantees the differing sterilization applications.

The normal processes include: Solids with and without wrapping, porous material with and without wrapping and utensils that have cavities and holes (e.g. dentistry materials.)

To guarantee sterilization of these materials the “AUTESTER ST DRY PV” Class B, autoclaves, have an efficient staged vacuum, that performs a complete extraction of air that allows penetration of the steam vapour.

The same vacuum system is used to obtain the dry phase, which is required for perfect storage of sterilized materials.

The “AUTOCLAVES ST DRY PV” Class B includes verification and validation programs.

CONFORMITY:

<table>
<thead>
<tr>
<th>Standard</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 13060</td>
<td>SMALL GENERAL PURPOSE STEAM STERILIZERS.</td>
</tr>
<tr>
<td>EN 61010-1</td>
<td>EQUIPMENT SAFE FOR LABORATORY USE.</td>
</tr>
<tr>
<td>EN 61010-2-040</td>
<td>SAFETY FOR STERILIZER EQUIPMENT FOR LABORATORY USE</td>
</tr>
<tr>
<td>EN 61326</td>
<td>ELECTROMAGNETIC COMPATIBILITY FOR EQUIPMENT USED IN THE LABORATORY.</td>
</tr>
</tbody>
</table>

SAFETY:

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAFETY VALVE: PREVENTS THE PRESSURE EXCEEDING THE MAXIMUM SET LIMIT.</td>
</tr>
<tr>
<td>SAFETY THERMOSTAT: DISCONNECTS THE HEATER AGAINST OVER TEMPERATURE OR LOW WATER IN THE RESERVOIR.</td>
</tr>
<tr>
<td>THERMALLY INSULATED LID.</td>
</tr>
</tbody>
</table>

Staged fractional vacuum: Extracts air from the load that permits absolute steam vapour penetration.

Sterilization stage: Sterilization within the time and temperature selected.

Dry cycle: Extracts the humidity from the load leaving it suitable for storage.
Autoclave for sterilization Autester “ST DRY PV” 12 Class B
CAPACITY: “ST DRY PV”: 12 LITRES.

FEATURES
- Stainless steel internal chamber.
- Staged vacuum purge.
- Dry by vacuum
- Incorporated steam generator.
- Water reservoir to supply the chamber
- High vapour penetration of porous material
- Used in digestive studies, ophthalmology, operating theatres etc.
- Printer interface.
- USB adapter for parameters memorization (optional).

SAFETY
- Safety valve. Prevents over pressure over the maximum working limit.
- Safety thermostat. Disconnects power to the heater if over temperature or low water in the reservoir.
- Thermally protected lid.

CONTROL PANEL

STEMPERATURE CONTROL AND AUTOMATIC MICROPROCESSOR CYCLE.

1. Textile materials
2. 121 °C
3. 134 °C
4. Wrapped solids.
5. Solids (Not wrapped).
6. Low level water indicator.
7. Autoclave ready for operation.
8. Sterilization cycle in process
10. Select wrapped or non wrapped.
11. Test.
13. ”maintain hot” the chamber.
15. Pressure indicator (bar).
16. Temperature indicator (°C).
17. Time Indicator (min.).

CYCLES

<table>
<thead>
<tr>
<th>Sterilization Temperature</th>
<th>134 °C</th>
<th>121 °C</th>
<th>134 °C</th>
<th>121 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wrapped</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not Wrapped</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sterilization pressure</td>
<td>2.1 bar</td>
<td>1.1 bar</td>
<td>2.1 bar</td>
<td>1.1 bar</td>
</tr>
<tr>
<td>Vacuum purge time</td>
<td>8 min.</td>
<td>4 min.</td>
<td>8 min.</td>
<td>4 min.</td>
</tr>
<tr>
<td>Sterilization time</td>
<td>12 min.</td>
<td>4 min.</td>
<td>30 min.</td>
<td>20 min.</td>
</tr>
<tr>
<td>Dry time</td>
<td>10 min.</td>
<td>10 min.</td>
<td>10 min.</td>
<td>10 min.</td>
</tr>
</tbody>
</table>

TEMPERATURE CONTROL AND AUTOMATIC MICROPROCESSOR CYCLE.

<table>
<thead>
<tr>
<th>Sterilization Temperature</th>
<th>134 °C</th>
<th>121 °C</th>
<th>134 °C</th>
<th>121 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wrapped</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not Wrapped</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test Bowie Dick</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test Vacuum</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

MODEL

<table>
<thead>
<tr>
<th>AUTESTER ST DRY PV B 12</th>
<th>400177</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part No.</td>
<td></td>
</tr>
<tr>
<td>Capacity litres</td>
<td>12</td>
</tr>
<tr>
<td>Ø / Depth cm</td>
<td>20/35</td>
</tr>
<tr>
<td>External dimensions cm</td>
<td>39.2/48.7/60</td>
</tr>
<tr>
<td>Tray dimensions cm</td>
<td>1.8/14/29.5</td>
</tr>
<tr>
<td>Power W</td>
<td>1800</td>
</tr>
<tr>
<td>Weight Kg</td>
<td>42.2</td>
</tr>
</tbody>
</table>

ACCESSORIES

- USB adapter model.
- Pen-Drive included (Memory board) for data storage.
- Part No: 4120130
- Thermal Printer.
- Paper size 2 1/4” (56 mm) wide.
- Includes communications and power cable.
- Power: DC 5V 3A
- Part No: 4120123
- Water distiller especially for Autoclaves. (See page 63).
- Bag sealers (See page 68).

Comes complete with:
- spare joint, door adjustment key, support with three trays, extractor forceps, empty water filter and waste water out.

According to directive: 97/23/CEE equipment under pressure, 3.3.
Autoclave for sterilization “Autester ST DRY PV” 18 Class B
“ST DRY PV” 23 Class B
CAPACITY: “ST DRY PV” 18: 18 LITRES. “ST DRY PV” 23: 23 LITRES.

FEATURES
Digital electronic control.
Stainless steel internal chamber.
Staged vacuum purge.
Dry by vacuum.
Incorporated steam generator.
Water reservoir to supply the chamber.
High vapour penetration of porous material.
Used in digestive studies, ophthalmology, operating theatres etc.
Automatic or manual filling of the water tank.
Printer interface.
USB adapter for parameters memorization (optional).

SAFETY
Mechanism door lock, prevents the door being opened accidentally.
Safety valve. Prevents over pressure over the maximum working limit.
Safety thermostat. Disconnect power to the heaters if over temperature or low water in the reservoir are produced.
Thermally insulated lid.
Dirty water tank full alarm.

CONTROL PANEL
1. LCD screen.
2. Push button increase parameters.
3. Push button decrease parameters.
4. Push button menu.
5. Push button Start-Stop.

CYCLES
<table>
<thead>
<tr>
<th>Sterilization Temperature</th>
<th>Sterilization pressure</th>
<th>Vacuum purge number</th>
<th>Sterilization time</th>
<th>Dry time</th>
</tr>
</thead>
<tbody>
<tr>
<td>134 °C</td>
<td>2,1 bar</td>
<td>1</td>
<td>4 min.</td>
<td>8 min.</td>
</tr>
<tr>
<td>134 °C</td>
<td>2,1 bar</td>
<td>1</td>
<td>4 min.</td>
<td>4 min.</td>
</tr>
<tr>
<td>134 °C</td>
<td>2,1 bar</td>
<td>4</td>
<td>18 min.</td>
<td>10 min.</td>
</tr>
<tr>
<td>134 °C</td>
<td>1,1 bar</td>
<td>3</td>
<td>20 min.</td>
<td>10 min.</td>
</tr>
<tr>
<td>134 °C</td>
<td>1,1 bar</td>
<td>3</td>
<td>20 min.</td>
<td>4 min.</td>
</tr>
<tr>
<td>134 °C</td>
<td>1,1 bar</td>
<td>1</td>
<td>30 min.</td>
<td>4 min.</td>
</tr>
<tr>
<td>134 °C</td>
<td>1,1 bar</td>
<td>1</td>
<td>3,5 min.</td>
<td>3,5 min.</td>
</tr>
<tr>
<td>134 °C</td>
<td>2,1 bar</td>
<td>3</td>
<td>4 min.</td>
<td>3 min.</td>
</tr>
</tbody>
</table>

MODEL
<table>
<thead>
<tr>
<th>Part No.</th>
<th>Capacity litres</th>
<th>Ø / depth cm</th>
<th>External dimensions cm</th>
<th>Trays dimensions cm</th>
<th>Power W</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTESTER ST DRY PV 18</td>
<td>4001734</td>
<td>18</td>
<td>24,5</td>
<td>36</td>
<td>40</td>
<td>47</td>
</tr>
<tr>
<td>AUTESTER ST DRY PV 23</td>
<td>4001735</td>
<td>23</td>
<td>24,5</td>
<td>47</td>
<td>40</td>
<td>47</td>
</tr>
</tbody>
</table>

ACCESSORIES
USB adapter model.
Pen-Drive included (Memory board) for data storage.
Part No: 4120130
Ink Printer (no thermal).
Paper size 2 1/4’’ (56 mm) wide.
Includes communications and power cable.
Power: DC 5V 3A
Part No: 4120123
Water distiller especially for Autoclaves. (See page 63).
Bag sealers (See page 68).

Comes complete with:
spare joint, door adjustment key, support with three trays, extractor forceps, empty water filter and waste water out.
Bag sealer “S-400”
SUITABLE FOR POLYPROPYLENE-POLYESTER STERILISING BAGS WITH A PAPER BASE.

FEATURES
- Metal epoxy covered case.
- Stainless steel AISI 304 reel support at the back.

CONTROL PANEL
- Illuminated mains switch.
- Lamp on when the thermostat has reached the pre-set working temperature.

MODEL

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Seal Width mm</th>
<th>Maximum seal length mm</th>
<th>Height / Width / Depth (exterior) cm</th>
<th>Power W</th>
<th>Weight Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>4100041</td>
<td>9</td>
<td>270</td>
<td>12 35 21</td>
<td>200</td>
<td>5.3</td>
</tr>
</tbody>
</table>

Bag sealer “Seal-1000”
FOR POLYPROPYLEN AND POLYESTER BAGS WITH A STERILE PAPER BASE.

FEATURES
- Metal construction with stainless steel tray.
- Pressure sealer unit with lateral lever with two bilateral cutting edges.
- Constant sealing temperature (from 180 °C and 200 °C).

CONTROL PANEL
- Illuminated start switch.
- Indicator, optimum seal temperature.

MODEL

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Seal width mm</th>
<th>Maximum seal length mm</th>
<th>Height / Width / Depth (exterior) cm</th>
<th>Power W</th>
<th>Weight Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>4101712</td>
<td>10</td>
<td>260</td>
<td>30 36 43</td>
<td>400</td>
<td>6.5</td>
</tr>
</tbody>
</table>

Automatic bag sealer “Seal-Com 2”
IN ACCORDANCE WITH DIN 58953 SECTION 7 STANDARD. FOR SEALING STERILE PAPER, POLYPROPYLENE-POLYESTER BAGS. CONTINUOUS SEALING, AUTOMATIC ADVANCE.

Continuous Thermosealer

FEATURES
- Exterior made from stainless steel.
- Heating time: 4 minutes.
- Seal width: 10 mm.
- Sealing speed: 6 m/min.
- Digital control and display of temperature and time.
- Acoustic sign of cycle starting.

CONTROL PANEL
- Luminous “ON” switch.
- Luminous “Manual or Automatic” switch.

MODEL

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Height / Width / Depth (sealer) cm</th>
<th>Power W</th>
<th>Weight Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>4100044</td>
<td>16 48 26</td>
<td>400</td>
<td>13</td>
</tr>
</tbody>
</table>

SEALING MACHINE ACCESSORIES

Rolls of paper for sterilization “Polisteril”
Paper base polypropylene and polyester bags showing differing ink prints of sterilized items.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Bag width cm</th>
<th>Bag length m</th>
</tr>
</thead>
<tbody>
<tr>
<td>4100075</td>
<td>7.5</td>
<td>100</td>
</tr>
<tr>
<td>4100100</td>
<td>10</td>
<td>100</td>
</tr>
<tr>
<td>4100200</td>
<td>20</td>
<td>100</td>
</tr>
</tbody>
</table>

Sterile paper “Policort” trimmer
- Completely made of metal with back and reel support, for a capacity of 2 x 200mm or 4 x 100 mm wide reels.
- Circular cutting knife edge.
- Measurements: 13 high x 51 wide x 32 cm deep.
- Weight: 2.8 Kg.

Part No. 4100045

Options:
- Ultrasonic cleaning baths for dentistry, “Ultrasons-Digit” (see page 96).
- Dry sterilizer “DRYTIME” poupinel oven (see page 137).

Date stamping machine for sterile bags.

Part No. 4100046
STERILIZED
30 OCTOBER 2015
VALID FOR 3 MONTHS.

Autoclaves
Autoclaves for preserved food pasteurization/sterilization

“STERIL-FOOD” 20, 80 and 150

SELECTABLE TEMPERATURE BETWEEN 70 ºC & 121ºC.

CAPACITY: 20, 80 & 150 L.

AUTOCLAVES “MAN” MODEL NEED A COMPRESSED AIR EXTERNAL INSTALLATION.

AUTOCLAVES “COM” MODEL INCLUDE COMPRESSOR AND DO NOT NEED COMPRESSED AIR INSTALLATION.

WATER SUPPLY NEEDED WITH LOW-CAL CONTENT AND DRAINAGE. (WATER PRESSURE: 3 BAR MINIMUM).

BENEFITS

Water quick cooling.
High efficiency in heat treatment
Respect the organoleptic properties of food.
Easy and quick changing of heat treatment parameters.
10 user defined programs.

Models with built-in compressor.

CONFORMITY

EN 61010-1  SAFETY FOR EQUIPMENTS FOR LABORATORY USE .
EN 61010-2-040  SAFETY FOR STERILIZER EQUIPMENTS.
EN 61326  ELECTROMAGNETIC COMPATIBILITY.
EN/97/23/EC  SAFETY FOR PRESSURE EQUIPMENTS.

APPLICATIONS

Preserved food sterilization.
Very suitable for small productions and wide variety.

FEATURES

External case, top, tank and lid made of stainless steel.
Tank fill by external water inlet.
Temperature control probe inside the sample.
Counter pressure system to prevent the cans breakage.
Temperature, time and pressure registered in USB.

SAFETY

Device that avoids opening the lid when the chamber is under pressure.
Safety valve: Prevents overpressure over the maximum limit.
Safety pressure switch: Disconnects heater when there’s overpressure.
Thermally insulated lid.
Door properly closed detector.
Double filter retention

CONTROL PANEL

1. Parameters LCD display.
2. Microprocessor single button.
3. Operation Led.
4. Start/stop push button.
5. USB adapter.
6. Open lid knob.
7. USB function light indicator.

MICROPROCESSOR FEATURES

Microprocessor controls sterilization and cooling process:
- Pasteurization temperature from 70ºC to 100ºC.
- Sterilization temperature from 100ºC to 121ºC.
- Sterilization time from 1’ to 99’.
- Selectable cooling temperature.
- Programs – from 0 to 9 user configurable.
- Configuration: - Units. – Languages (Spanish, English, French).
- Timer: date/hour. – External water: on/off.
- Password
- Calibration – Control probe temperature.
- Sample probe temperature

Any error message of functions or execution is displayed in the panel and an acoustic alarm sounds, automatically cutting the steam generator out.

NEW

USB

BACK VIEW

1. Mains input.
2. External water supply.
4. Vacuum steam valve.
5. Safety thermostat.
6. RS232 connector.
7. Second probe connector.
8. Compressed air inlet.
ACCESSORIES FOR STERIL-FOOD

AISI 304 stainless steel wire baskets. Maximum load capacity: 8 kg.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>For autoclave litres</th>
<th>Ø / Height (usable) cm</th>
<th>Capacity baskets Ø72x85mm</th>
<th>Capacity baskets Ø82x115mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000496</td>
<td>80</td>
<td>36 x 28</td>
<td>2</td>
<td>55</td>
</tr>
<tr>
<td>1000780</td>
<td>150</td>
<td>45 x 22</td>
<td>3</td>
<td>150</td>
</tr>
<tr>
<td>1000785</td>
<td>150</td>
<td>47 x 15</td>
<td>5</td>
<td>150</td>
</tr>
</tbody>
</table>

Note: To optimize the load in the autoclave, we manufacture baskets on demand suitable to the size and weight of your containers.

COMPLEMENTS FOR “PRESCLOATE III 50 - 80”, “AUTESTER ST DRY PV III 50 - 80 - 150” AND “STERIL-FOOD 80 - 150”

Decalcifier “C-3”

APPLICATIONS

Pre-treatment of water with high content of lime, for general laboratory use.

Recommended for distillation units use, from 25° French water hardness.

TECHNICAL DATA

AISI 304 stainless steel metallic tank with manual device of salt regeneration by two-way wrenches.

Resin capacity: 12 litres. Regeneration by salt: 2 Kg.

Cyclical output by regeneration: 1200 litres at 60° French degrees / 4800 litres at 35° French degrees.

Cyclical output by regeneration for distillation: from 300 to 800 litres.

Maximum mains inlet pressure: 4.5 Kg/cm2.

Maximum input permissible hardness: 60° French degrees.

Output hardness: 1° French degree.

External measurements: 82 height x 19 cm Ø. Weight: 20 Kg.

Part Number: 0703052

Loading and unloading crane

Baskets elevator for loading and unloading of autoclaves of 50, 80 and 150L

With adapter for handling baskets without deforming.

Axial rotation for placing baskets to a trolley.

Total lift height: 2.4 m (autoclave assembled)

Outside completely stainless steel.

Maximum load: 50Kg.

Power: 230V 300W

Must be factory installed.

Control panel: ON / OFF button + UP / DOWN pushbutton integrated into a single command.

Part No: 1002426

It comes complete with ¾ in and out hoses.