The Elara11 Pre/Post—Vacuum Class B Sterilizer

It’s back and better than ever!

With over 90 years of expertise in sterilization and infection control, Tuttnauer has always provided reliable and advanced technology. The new Elara 11 autoclave with its 11” chamber continues this tradition by providing an ideal sterilization solution for any dental, outpatient or private clinic where pre & post vacuum sterilization is required.

- **Innovative EZView multi-color display**
  - A bright, new LCD panel uses active multi-color display technology for easy reading, even from a distance.
- **EZPad**
  - Equipment with a conveniently located printer which documents detailed history of each cycle.
  - USB Port (located under printer door cover) - store and transfer approximately 100 cycles of data.
- **Printer**
  - Consists of 3 keys, allowing the user to browse with ease through the sterilization programs and user directories.
- **Innovative multi-color display**
  - Real time information is easy to read, even from a distance.
  - Indicates program icon and name, cycle parameters, temperature and pressure in the chamber.
  - During the selected program each stage of the sterilization cycle is displayed with both an active color wheel and text.
  - • The color wheel and text change for each phase of the cycle.
  - • Wheel rotates to indicate activity through each part of the cycle.
  - • Observing time displayed during Water Filling, Sterilization, and Drying phases.
- **R.PC.R Software (Optional)**
  - Remote monitoring of multiple autoclaves from any PC on your local network in real time.
  - Automatic downloading of cycle history to your PC.
  - Back-up memory capable of storing approximately 100 cycles of data.
  - Easy management of each machine’s cycle history.
  - Analysis of any cycle process using any understandable graphs or table data.
  - Generates PDF from cycle analysis that can be printed for future reference.
  - E-P. C. R can also analyze and store cycle history downloaded with a USB drive.

**Technical Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>Chamber Size in (x)</th>
<th>Volume</th>
<th>Overall Dimensions (mm)</th>
<th>Standard cassette capacity**</th>
<th>tray dimensions (inches)</th>
<th>No. of Trays</th>
<th>Voltage (V)</th>
<th>Power (W)</th>
<th>Current (A)</th>
<th>Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elara11</td>
<td>11”x11”</td>
<td>7.5 gal (28L)</td>
<td>26.00 x 20.75 x 17.30 (660 x 530 x 440)</td>
<td>4 full &amp; 4 half * (loaded vertically)</td>
<td>14.7” x 17.5” x 1.6”</td>
<td>8</td>
<td>230V/60Hz</td>
<td>2300W</td>
<td>10A</td>
<td>171 (78)</td>
</tr>
</tbody>
</table>

* Standard cassette capacity is 4 full & 4 half.

** Standard full size cassette is 8”x11” and standard half size cassette is 8”x5.5”.

*** Requires a voltage between 220V and 235V for proper operation. Voltage outside this area will require a buck/boost transformer (0.5KVA).

**Standards and Directives**

The Elara11 meets established International standards and specifications:

**USA Standards:**
- ANS/ AAMI ST55, ASME Sec. VIII, UL 61010A-1, UL 61010A-2-04, EN 13060

**Canada Standards:**
- CRN, CSA

**EU Standards:**
- EN 13060:2004, EN 13445, EN 61010-1, EN 61010-2-040, EN 554, EN 61320-1, EN 61326
- Complying with MDD 93/42, PED 97/23, RoHS & WEEE Directives

R.PC.R Software (Optional)

- Remote PC Reporting Software
  - • Remote monitoring of multiple autoclaves from any PC on your local network in real time.
  - • Automatic downloading of cycle history to your PC.
  - • Back-up memory capable of storing approximately 100 cycles of data.
  - • Easy management of each machine’s cycle history.
  - • Analysis of any cycle process using any understandable graphs or table data.
  - • Generates PDF from cycle analysis that can be printed for future reference.
  - • E.P. C. R can also analyze and store cycle history downloaded with a USB drive.

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The Elara11 Pre/Post - Vacuum Class B Sterilizer

It's back and better than ever!

With over 90 years of expertise in sterilization and infection control, Tuttnauer has always provided reliable and advanced technology. The new Elara 11 autoclave with its 11" chamber continues this tradition by providing an ideal sterilization solution for any dental, outpatient or private clinic where pre & post vacuum sterilization is required.

Innovative EZView multi-color display

A bright, new LCD panel uses active multi-color display technology for easy reading, even from a distance.

EZPad

The EZPad consists of 3 keys, allowing the user to browse with ease through the sterilization programs and user directories.

Printer

Equipped with a conveniently located printer which documents detailed history of each cycle.

USB Port (located under printer door cover)

Store and transfer approximately 100 cycles of data.

Technical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>11&quot;x19.8&quot; (280x504)</th>
<th>7.5 gal.</th>
<th>26.020 x 19.17&quot; (656 x 504)</th>
<th>4 full &amp; 4 half (4) (loaded vertically)</th>
<th>16.3&quot; x 7.4&quot; x 6&quot; (419 x 191 x 152)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>230V 50/60 Hz</td>
<td>2300W</td>
<td>10A</td>
<td>171 (78)</td>
<td></td>
</tr>
</tbody>
</table>

*Minimum tabletop depth of 24" required.
** Standard full size cassette is 8"x11" and standard half size cassette is 8"x5.5".
*** Requires a voltage between 220V and 235V for proper operation. Voltage outside this area will require a buck/boost transformer (0.5KVA).

R.P.C.R Software (optional)

Remote PC Reporting Software

- Remote monitoring of multiple autoclaves from any PC on your local network in real time.
- Automatic downloading of cycle history to your PC.
- Back-up memory capable of storing approximately 200 cycles of data.
- Easy management of autormachines cycle history.
- Analysis of any cycle processes using either trend graphs or table data.
- Generate PDFs from cycle data that can easily be printed for future reference.
- R.P.C.R can also analyze and store cycle history downloaded with a USB drive.

Standards and Directives

The Elara11 meets established International standards and specifications:

USA Standards:

- ANSI/AAMI ST55
- ASME Sec. VIII
- UL 61010A-1
- UL 61010A-2-041
- FDA 510(K) Cleared
- ISO 17665-1

Canada Standards:

- CRN
- CSA

EU Standards:

- EN 13060:2004
- EN 13445
- EN 61010-1
- EN 61010-2-040
- EN 61326
- EN 61326
- EN 554
- EN 61510-2-041
- EN 61510-2-042
- EN 534
- EN 61530-6-1
- EN 61530-6-2

The Elara11 Pre/Post - Vacuum Class B Sterilizer

Pre/Post—Vacuum Class B Sterilizer

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The Elara11 Pre/Post - Vacuum Class B Sterilizer

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EZPad
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Printer
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USB Port (located under printer door cover)
Store and transfer approximately 100 cycles of data.

Innovative multi-color display
Real time information is easy to read, even from a distance.

- Indicates program icon and name, cycle parameters, temperature and pressure in the chamber.
- During the selected program each stage of the sterilization cycle is displayed with both an active color wheel and text.
  - The color wheel and text change for each phase of the cycle.
  - Wheel rotates to indicate activity through each part of the cycle.
  - Overviewing time displayed during Water Filling, Sterilization, and Drying phases.
- Multiple languages.

R-P.C.R. Software (Optional)
- Remote monitoring of multiple autoclaves from any PC on your local network in real time.
- Automatic downloading of cycle history to your PC.
- Back-up copy of the cycle history electronically stored for 100 cycles of data.
- Easy management of each machine's cycle history.
- Analysis of any cycle process can be done using spreadsheet graphs or table data.
- Generate PDFs from cycle analysis that can easily be printed for future reference.
- R-P.C.R can also analyze and store cycle history downloaded with a USB drive.

Standards and Directives
The Elara 11 meets established international standards and specifications:

USA Standards:
- ANSI/AAMI ST55, ASME Sec. VIII, UL 61010A-1, UL 61010A-2-041, FDA 510(K) cleared

Canada Standards:
- CRN, CSA

EU Standards:
- EN 13060:2004, EN 13445, EN 61010-1, EN 61010-2-040, EN 61326 EN 61326
- EN 554
- Complying with MDD 93/42, PED 97/23, RoHS & WEEE Directives

Technical Specifications

<table>
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<tr>
<th>Model</th>
<th>Chamber Size (in)</th>
<th>Volume (gal)</th>
<th>Overall Dimensions (in)</th>
<th>Standard currently requiring</th>
<th>Tray dimensions (in)</th>
<th>No. of Trays</th>
<th>Voltage (V)</th>
<th>Power (W)</th>
<th>Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elara1</td>
<td>11&quot; x 19.8&quot; x 26&quot;</td>
<td>7.5 gal.</td>
<td>26.0 x 20.9 x 17.3&quot;</td>
<td>11-19-17 Class B*</td>
<td>16.13&quot; x 7.2&quot; x 0.6&quot;</td>
<td>16&quot; x 10&quot;</td>
<td>230V</td>
<td>2300W</td>
<td>171 (78)</td>
</tr>
</tbody>
</table>

* Standard cycle requires 11" x 19.8" and standard tray requires 11" x 7.2".

** Requires a voltage between 220V and 235V for proper operation. Voltage outside this area will require a buck/boost transformer (0.5KVA).
Class B Sterilization Cycles

Pre-vacuum phase efficiently removes air, resulting in the full penetration of steam into wrapped, porous and hollow loads. The post-vacuum drying phase ensures complete drying of wrapped porous loads and hollow instruments. This guarantees that even the most difficult loads will easily reach Sterility Assurance Level (SAL).

The Elara 11 offers 4 FDA cleared sterilization programs and 2 test programs, which are the Vacuum Test and the Bowie Dick Test.

Safety is Our Top Priority

Safety Features:

- 316L grade stainless steel chamber and door with electropolish finish
- A cycle will not start unless the door is properly locked
- Automated double locking safety device prevents door from opening while chamber is pressurized
- Automatic safety shutoff prevents overheating of chamber and load
- Two independent clean water level indicators: a digital alert and a visual indicator
- A water level alert indicates when waste water reservoir should be emptied
- Visual indicator and audible alert indicates if cycle is not properly completed

Class B Performance is achieved with a built-in vacuum pump used for fractional pre-vacuum air removal eliminating air pockets from all load types and maximizing efficient steam penetration throughout the entire load. After the sterilization stage, the vacuum pump is used for efficient post-vacuum drying.
Pre/Post—Vacuum Class B Sterilizer

Closed door drying and pre-vacuum air removal

A high volume vacuum pump provides optimum sterilization results and efficient closed door drying. Keeping the door closed throughout the dry cycle maintains sterility and ensures efficient drying. The high-volume, vacuum pump is very effective at removing moisture from instruments.

Comprehensive warranty

1 year parts and labor, 10 year chamber

The Elara11 tabletop autoclave is a reliable and robust Class B sterilizer designed for the needs of Dental clinics, Medical clinics and Veterinary clinics where autoclaving requires pre post vacuum sterilization.

Safety is Our Top Priority

Safety Features:
- 316L grade stainless steel chamber and door with electropolish finish
- A cycle will not start unless the door is properly locked
- Automated double locking safety device prevents door from operating while chamber is pressurized
- Automatic safety shutoff prevents overheating of chamber and load
- Two independent clean water level indicators: A digital alert and a visual indicator
- A water level alert indicates when waste water reservoir should be emptied
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Pre-vacuum phase efficiently removes air, ending in the full penetration of steam into wrapped, porous and hollow loads. The post-vacuum drying phase ensures complete drying of wrapped porous loads and hollow instruments. The guarantees that even the most difficult loads will easily reach Sterility Assurance Level (SAL).

The Elara11 offers 4 FDA cleared sterilization programs and 2 test programs, which are the Vacuum Test and the Bowie Dick Test.

Class B Sterilization Cycles

<table>
<thead>
<tr>
<th>Description</th>
<th>Temp</th>
<th>Sterilization Time</th>
<th>Dry Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unwrapped Instruments</td>
<td>273°F</td>
<td>6 Minutes</td>
<td>1 Minute</td>
</tr>
<tr>
<td>Wrapped Instruments</td>
<td>273°F</td>
<td>6 Minutes</td>
<td>20 Minutes</td>
</tr>
<tr>
<td>Unwrapped Delicate Instruments</td>
<td>250°F</td>
<td>20 Minutes</td>
<td>1 Minute</td>
</tr>
<tr>
<td>Wrapped Delicate Instruments</td>
<td>250°F</td>
<td>20 Minutes</td>
<td>20 Minutes</td>
</tr>
<tr>
<td>Vacuum Test</td>
<td>N/A</td>
<td>pre-set</td>
<td></td>
</tr>
<tr>
<td>Bowie &amp; Dick</td>
<td>273°F</td>
<td>5 Minutes</td>
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</tr>
</tbody>
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Safety and Test Programs

Temp. | Sterilization | Dry Time |
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Closed Water Feed Options

Accurate front or top water filling options

Clean & Waste Water Reservoirs

Reduces cleaning and maintenance on the machine and provides clean steam for every cycle

Network port (rear located)

For connection to a local network to provide remote monitoring of the system

EZGlide self locking door

Newly designed, ergonomically friendly EZGlide door features effortless opening and closing with an automatic double safety locking mechanism. Glide the door closed with a gentle push to close and lock it.

Waste reservoir continuous drain (rear located)

Eliminate the need to manually drain the waste reservoir

Elara11 - Sterilization Program, Wrapped Instruments 273°F

Loaded vertically with 4 full and 4 half cassettes (cassette rack included)

Loaded with 5 stainless steel trays.

Diagnostics & Test Programs

<table>
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<td>Bowie &amp; Dick</td>
<td>273°F</td>
<td>5 Minutes</td>
<td>2 Minutes</td>
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</table>

FINE 680 self-latching door

Significantly redesigned, ergonomically friendly FINE 680 door features effortless opening and closing with an automatic double safety locking mechanism. Glide the door closed with a gentle push to close and lock it.

Class & Waste Water Reservoirs

Reduces cleaning and maintenance on the machine and provides clean steam for every cycle

Diagnostics & Test Programs

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Safety and Test Programs

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<td>2 Minutes</td>
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Clean & Waste Water Reservoirs

Reduces cleaning and maintenance on the machine and provides clean steam for every cycle

EZGlide self locking door

Newly designed, ergonomically friendly EZGlide door features effortless opening and closing with an automatic double safety locking mechanism. Glide the door closed with a gentle push to close and lock it.

Waste reservoir continuous drain (rear located)

Eliminate the need to manually drain the waste reservoir

Elara11 - Sterilization Program, Wrapped Instruments 273°F

Loaded vertically with 4 full and 4 half cassettes (cassette rack included)

Loaded with 5 stainless steel trays.

Diagnostics & Test Programs

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Pre/Post—Vacuum Class B Sterilizer

Class B Sterilization Cycles
Pre-vacuum phase efficiently removes air, resulting in the full penetration of steam into wrapped, porous and hollow loads. The post-vacuum drying phase ensures complete drying of wrapped porous loads and hollow instruments. This guarantees that even the most difficult loads will easily reach Sterility Assurance Level (SAL).

The Elara11 offers 4 FDA cleared sterilization programs and 2 test programs, which are the Vacuum Test and the Bowie Dick Test.

Class B performance is achieved with a built-in vacuum pump used for fractionated pre-vacuum air removal eliminating air pockets from all load types and maximizing efficient steam penetration throughout the entire load. After the sterilization stage, the vacuum pump is used for efficient post-vacuum drying.

Safety is Our Top Priority
Safety Features:
- 316L grade stainless steel chamber and door with electropolish finish
- A cycle will not start unless the door is properly locked
- Automated double locking safety device prevents door from opening while chamber is pressurized
- Automatic safety shutoff prevents overheating of chamber and load
- Two independent clean water level indicators: A digital alert and a visual indicator
- A water level alert indicates when waste water reservoir should be emptied
- Visual indicator and audible alert indicates if cycle is not properly completed

Pre/Post—Vacuum Class B Sterilizer

Class B Waste Water Disposers
Reduces cleaning and maintenance on the machine and provides clean sheets for every cycle.

EZGlide self locking door
Newly designed, ergonomically friendly EZGlide door features effortless opening and closing with an automatic double safety locking mechanism. Glide the door closed with a gentle push to close and lock it.

Clean & Waste Water Reservoirs
Reduces cleaning and maintenance on the machine and provides clean steam for every cycle.

Designed for continuous Operation
Steam is continuously provided by an independent steam generator. With the Elara 11, there is no waiting time between cycles.

Loaded vertically with 4 full and 4 half cassettes (cassette rack included)

Safety is Our Top Priority
Safety Features:
- 316L grade stainless steel chamber and door with electropolish finish
- A cycle will not start unless the door is properly locked
- Automated double locking safety device prevents door from opening while chamber is pressurized
- Automatic safety shutoff prevents overheating of chamber and load
- Two independent clean water level indicators: A digital alert and a visual indicator
- A water level alert indicates when waste water reservoir should be emptied
- Visual indicator and audible alert indicates if cycle is not properly completed

Waste reservoir continuous drain (rear located) eliminates the need to manually drain the waste reservoir.

EZFill front water filling
Accessible front top water filling options.

Off-White multi-color display
For easy reading, even from a distance.

Network port (rear located)
For connection to a local network to provide remote monitoring of the system.

Comprehensive warranty
1 year parts and labor, 10 year chamber

Closed door drying and pre-vacuum air removal
A high volume vacuum pump provides optimum sterilization results and efficient closed door drying. Keeping the door closed throughout the dry cycle maintains sterility and ensures efficient drying. The high-volume, vacuum pump is very effective at removing moisture from instruments.

Unwrapped instruments
273°F 4 Minutes 1 Minute

Wrapped instruments
273°F 4 Minutes 20 Minutes

Unwrapped Delicate Instruments
250°F 20 Minutes 1 Minute

Wrapped Delicate Instruments
250°F 20 Minutes 20 Minutes

Vacuum Test
N/A pre-set

Bowie & Dick
N/A 273°F 3.5 Minutes 2 Minutes

Unwrapped instruments
273°F 4 Minutes 1 Minute

Wrapped instruments
273°F 4 Minutes 20 Minutes

Unwrapped Delicate Instruments
250°F 20 Minutes 1 Minute

Wrapped Delicate Instruments
250°F 20 Minutes 20 Minutes

Vacuum Test
N/A pre-set

Bowie & Dick
N/A 273°F 3.5 Minutes 2 Minutes

The Elara11 tabletop sterilizer is a reliable and robust Class B sterilizer designed for the needs of Dental clinics, Medical clinics and Veterinary clinics where autoclaving requires pre/post vacuum sterilization.

Class B performance is achieved with a built-in vacuum pump used for fractionated pre-vacuum air removal eliminating air pockets from all load types and maximizing efficient steam penetration throughout the entire load. After the sterilization stage, the vacuum pump is used for efficient post-vacuum drying.

Safety is Our Top Priority
Safety Features:
- 316L grade stainless steel chamber and door with electropolish finish
- A cycle will not start unless the door is properly locked
- Automated double locking safety device prevents door from opening while chamber is pressurized
- Automatic safety shutoff prevents overheating of chamber and load
- Two independent clean water level indicators: A digital alert and a visual indicator
- A water level alert indicates when waste water reservoir should be emptied
- Visual indicator and audible alert indicates if cycle is not properly completed

Loaded vertically with 5 stainless steel trays.

Loaded vertically with 4 full and 4 half cassettes (cassette rack included)