



Portaclave[®]™ Portable Autoclaves

Specifications for :

ST1528E ST2228E ST3028E
ST1528V ST2228V ST3028V

Design Features

- 15, 22 or 30 litres
- Manual or Vario digital Controller
- Robust space saving design
- Single phase 'plug & play'
- Compact and fully portable
- No plumbing needed
- Minimal Maintenance
- Grade 316 stainless steel chamber
- Suitable for Culture Media

Vario Controller

- Variable Temperature 100°C—121°C
- Variable Time: 1—99 minutes
- Preset Cycles:
 - 30 mins @ 115°C
 - 15 mins @ 121°C
 - 30 mins @ 121°C
 - 60 mins @ 115°C



Capacities and dimensions

| Model Name | Portaclave 15E | Portaclave 22E | Portaclave 30E |
|--------------------|--------------------|--------------------|--------------------|
| Model No. | ST1528E | ST2228E | ST3028E |
| Capacity | 15 L | 22 L | 30 L |
| Autoclave Weight | 19kg | 21kg | 23kg |
| Export Case Size | 470w x 680h x 470h | 470w x 880h x 470h | 470w x 880h x 470h |
| Overall Dimensions | 370w x 485h x 390d | 370w x 600h x 390d | 370w x 730h x 390d |
| Chamber Dimensions | 280 Ø x 245d | 280 Ø x 360d | 280 Ø x 490d |
| Water Capacity | 2L | 2L | 2L |
| 1L Media Bottles | 4 | 4 | 8 |
| Basket Dimensions | 240 Ø x 220d | 240 Ø x 220d | 240 Ø x 440d |
| Digital Controller | No | No | No |

Capacities and dimensions

| Model Name | Portaclave 15V | Portaclave 22V | Portaclave 30V |
|--------------------|--------------------|--------------------|--------------------|
| Model No. | ST1528V | ST2228V | ST3028V |
| Capacity | 15 L | 22 L | 30 L |
| Autoclave Weight | 19kg | 21kg | 23kg |
| Export Case Size | 470w x 680h x 470h | 470w x 880h x 470h | 470w x 880h x 470h |
| Overall Dimensions | 370w x 485h x 390d | 370w x 600h x 390d | 370w x 730h x 390d |
| Chamber Dimensions | 280 Ø x 245d | 280 Ø x 360d | 280 Ø x 490d |
| Water Capacity | 2L | 2L | 2L |
| 1L Media Bottles | 4 | 4 | 8 |
| Basket Dimensions | 240 Ø x 220d | 240 Ø x 220d | 240 Ø x 440d |
| Digital Controller | Yes (Vario) | Yes (Vario) | Yes (Vario) |



Human Scale



| Safe Design Operating Limits | | | |
|------------------------------|---------------|---------------|---------------|
| Model | Portaclave 15 | Portaclave 22 | Portaclave 30 |
| Model No. | ST1528 | ST2228 | ST3028 |
| Max working temperature | 121°C | 121°C | 121°C |
| Min working temperature | 7°C | 7°C | 7°C |
| Max ambient temperature | 28°C | 28°C | 28°C |
| Min ambient temperature | 11°C | 11°C | 11°C |
| Max hydraulic pressure | 2.0 Bar | 2.0 Bar | 2.0 Bar |
| Max working pressure | 1.3 Bar | 1.3 Bar | 1.3 Bar |

| Site Requirements | | | |
|--|----------------|----------------|----------------|
| Electrical site requirement: 13amp Socket Outlet | | | |
| Model | Portaclave 15 | Portaclave 22 | Portaclave 30 |
| Model No. | ST1528 | ST2228 | ST3028 |
| Voltage | 230V | 230v | 230v |
| Phase Requirement | 1ph/N 50/60 Hz | 1ph/N 50/60 Hz | 1ph/N 50/60 Hz |
| Power Consumption | 2kw | 2kw | 2kw |
| Fuse Rating | 13 amp | 13 amp | 13amp |



General Requirements

- Sodium Chloride must not exceed a level greater than 500 ppm.
- Use regular mains water only. DO NOT USE distilled or RO water.

Complying Standards

- PED Cat 1 Module **B+D** Notified Body: British Engineering No. 0040
- Harmonised Standards applied: EMC BS EN 61326
- Community directives applied : Pressure Equipment Directive PED 2014/68/EU (formerly PED 97/23/EC)
- Designed in accordance with PD5500 (formerly BS5500) & BS2646
- PM73 Lid Locking Devices
- BS3546 Part 101 1987
- ISO 9001: 2008
- CE Marked

Information is subject to change to suit different options added. This information is correct as of 28th September 2017, E & OE