

## Prestige Medical integrated decontamination solutions

For over 20 years, Prestige Medical has been respected as a class leader in the development and manufacture of sterilization and decontamination equipment. With over 1 million units delivered to over 80 countries worldwide, we have built an enviable reputation for innovation, performance and trust.

### standards and guidelines

Designed and manufactured to comply with the following standards and guidelines:

- 93/42/EEC European Medical Device Directive
- 89/336/EEC European Electromagnetic Compatibility Directive
- EN 13060 Small Steam Sterilizers
- EN 60601 Medical Electrical Equipment - Safety and Performance
- HTM 2010 NHS Sterilization Guidelines
- HTM 01-05 Decontamination in Primary care dental practices
- ISO 9001 Quality Management Systems
- ISO 13485 Medical Device Quality Management Systems



## Contact us for advice on infection control



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Prestige Medical is a registered trademark  
Flash Steam is a registered trademark

Due to a continuous process of development, Prestige Medical reserves the right to amend the specification of products and services without notice.

V1 Sept 2011

## Optima B Class Autoclave





# Faster Cycles.....

## Flash Steam® Technology

The science behind Optima's high performance capability of sterilizing a load in as little as 22 minutes.\*

Combine this with Optima's 6 tray capacity and your ability to process more in less time is greatly increased.

At the heart of Optima is a flash steam generator. Pulses of water are injected into the steam generator and immediately turned into steam which passes into the vessel. The microprocessor interrogates sensors in the chamber, steam generator and side heaters many times per second to ensure that optimal conditions are reached and maintained as quickly as possible, thus reducing the overall cycle time.

\*Based on 16 Litre model

Optima is a Type B Vacuum Autoclave

For the sterilization of linen, wrapped (pouched), hollow or solid items. The vacuum unit removes all the air from inside the chamber. This process ensures perfect sterilization every time.

**Flash Steam® in combination with a full 6 tray capacity gives up to 4x the instrument processing power compared with other autoclaves.**

## Technical Specification

Product Name: Optima B Class Autoclave

Model Options: **16 litres capacity**  
Model Number: 470051100

**22 litres capacity**  
Model Number: 470021100



| Specification              | Model No 470051100 | Model No 470021100 |
|----------------------------|--------------------|--------------------|
| Chamber capacity (litres)  | 16                 | 22                 |
| Max instrument length (mm) | 310                | 450                |
| Width (mm)                 | 500                | 500                |
| Height (mm)                | 460                | 460                |
| Depth (mm)                 | 480                | 610                |
| Max net weight (kg)        | 43                 | 55                 |
| Chamber diameter (mm)      | 250                | 250                |
| Chamber length (mm)        | 330                | 460                |
| <b>Max load weight Kg:</b> |                    |                    |
| Solid unwrapped            | 6                  | 6                  |
| Wrapped                    | 2                  | 2                  |
| *Porous                    | 1                  | 1                  |
| Operating pressure (bar)   | 3.05 Abs           | 3.05 Abs           |

\*Max pack size 110 x 100 x 50mm

| Cycle                       | Min Sterilizing Temp °C |         | Sterilizing Time (Minutes) |         | Typical Cycle Time Range* (Minutes) |         | Drying  |         |
|-----------------------------|-------------------------|---------|----------------------------|---------|-------------------------------------|---------|---------|---------|
|                             | 16 Ltr.                 | 22 Ltr. | 16 Ltr.                    | 22 Ltr. | 16 Ltr.                             | 22 Ltr. | 16 Ltr. | 22 Ltr. |
|                             | 16 Ltr.                 | 22 Ltr. | 16 Ltr.                    | 22 Ltr. | 16 Ltr.                             | 22 Ltr. | 16 Ltr. | 22 Ltr. |
| 134B Cycle 6 kg (unwrapped) | 134                     | 134     | 3.5                        | 3.5     | 22 - 25                             | 25-35   | ✓       | ✓       |
| 134B Cycle 2 kg (wrapped)   | 134                     | 134     | 3.5                        | 3.5     | 24-26                               | 23-30   | ✓       | ✓       |
| 134B Test Pack/ Helix       | 134                     | 134     | 3.5                        | 3.5     | 16-20                               | 18-22   | -       | -       |
| 134B 18 Cycle               | 134                     | 134     | 18                         | 18      | 38-42                               | 55-60   | ✓       | ✓       |
| 121B Cycle (2 kg wrapped)   | 121                     | 121     | 16                         | 16      | 27-33                               | 47-52   | ✓       | ✓       |

\*90% of warm cycles will fall into this range



Up to 6 tray capacity



Unique heating fins and flash steam technology speeds the sterilization and drying process



User friendly, large screen digital display

## Furniture and Accessories

Optima is supplied complete with 4 dental and 2 pouch trays. The following accessories and consumables are also available:

| Part No | Description                      |
|---------|----------------------------------|
| 259277  | TST Sterilizing Indicator Strips |
| 276395  | 5 Instrument Clip Tray x 3       |
| 276396  | 3 Instrument Clip Tray x 2       |
| 279007  | Tray Lifter                      |
| 309031  | Bowie Dick Test Pack             |
| 309066  | 16 litre Pouch Tray              |
| 309081  | 10 Instrument Clip Tray x 2      |
| 309082  | 10 Instrument Clip Tray x 12     |
| 471500  | Door Gasket                      |
| 734102  | Air Filter                       |
| 309071  | 22 Litre Pouch Tray              |



10 Instrument clip trays