

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



Up to 6 tray capacity



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



User friendly, large screen digital display

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
Max load weight Kg:		
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

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