

PRODUCT DESCRIPTION

The 3870 HSG horizontal autoclave is designed for sterilization of wrapped and unwrapped instruments and related items found in dental, medical, and veterinary clinics, first aid rooms, hospitals, laboratories, etc.

Being a steam-heated sterilizer, the 3870HSG uses steam as the sterilizing agent. The autoclave has a computerized control unit which ensures a fully automatic sterilization cycle, control and monitoring of physical parameters and a clear documentation of the sterilization cycle.

The autoclave is equipped with a vacuum pump (HSG-D models only). Drying is performed with the door closed.

WATER SAVING SYSTEM

The optional water recycling system (WS model) achieves huge water savings, consuming only 5 liters of tap water per day.

CONTROL SYSTEM

The Control System control and monitors the physical parameters of the sterilization process in real time and performs the operation sequence of the machine, according to a user selected program. The system includes a multicolor display, a USB connection and thermal printer. The interface is multilingual (26 languages).



PRODUCT SPECIFICATION

TEHNICAL SPECIFICATIONS

Chamber	Diam.	384 mm
	Depth	758 mm
Chamber Volume		85 liters
Useful Chamber Volume		79.3 liters
Max. Allowable Working Pressure		2.8 bar
Max Load		30 kg solid load or 7 kg textile
Tray Dimensions	Large	350 x 675 x 25 mm
	Small	286 x 675 x 25 mm
No. of Trays		2
Net Weight		318 kg
Shipping Weight		340 kg
Overall Dimensions	Width	722 mm
	Height	1366 mm
	Depth	1184 mm

9 kW STEAM GENERATOR'S DATA

Max. Working Pressure	3 BarG
Safety Relief Valve	5 BarG

UTILITIES

Mineral-free Water Inlet	1/2" , 1-3 Bar
Tap Water Inlet	1/2" , 2-5 Bar
Drain	1/2" withstanding temp. of 80°C

DATASHEET – 3870HSG

Pre-vacuum Steam Sterilizer

AUTOCLAVE'S ELECTRICAL DATA

Power Supply	3 x 380 V	13.7 A per line
	3 x 208 V	25 A per line
	3 x 230 V	22.6 A per line
	1 x 230 V *	39.1 A
Total Power	9000 W	
Frequency	50/60 Hz	
Protection against Electrical Shock	Class I (IEC 60601-1)	
Degree of Protection by Enclosure	IP31	

Note: * Includes switchbox

STANDARDS AND DIRECTIVES

Tuttnauer products meet the provisions of the following directives and standards:

Quality Standards:

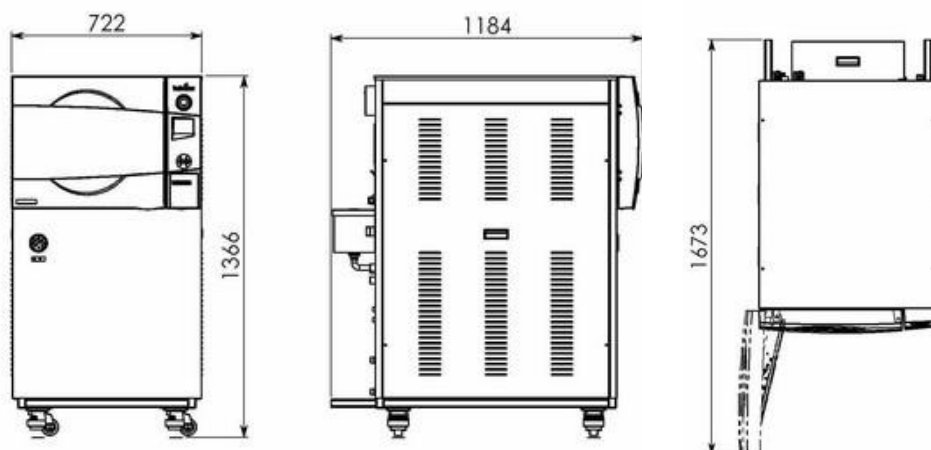
ISO 9001:2008 (Quality Management Systems)
EN ISO 13485:2012 Quality Management System
In compliance with 21 CFR part 820 & part 11

Directives:

MDD 93/42/EEC amended in Directive 2007/47/EEC
PED 97/23/EC – Pressure Equipment Directive
2002/96/EC WEEE and 2002/95/EC RoHS
DIN 58951-2:2003 Steam Sterilizers for Laboratory

Technical Standards:

EN 285: 2006+A2: 2009 Large Steam Sterilizer
EN 1360: 2004+A2: 2009 Large Steam Sterilizer
EN 61010-1: 2010
EN 61010-2-040: 2005
EN 61326-1: 2006
EN 17665-1: 2006
ANSI/AAMI - ST 8: 2008
ANSI/AAMI – ST55:2010
ASME Code, Section VIII, Division I
ASME Code, Section I



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