

STERILCLAVE® 18



The SterilClave® range of products is the result of twenty years of experience in the field of sterilization. Each device is designed and built in compliance with directive EN 13060, and guarantees performance levels which not only respond to the current requirements of the medical field, but exceed them. Total sterilization is assured by fractioned vacuum pulsations controlled by the process evaluation system, and can be applied to wrapped and unwrapped solid, hollow (type A and B) and porous loads (fabrics). For safety which is tailor-made to individual needs.

MAIN FEATURES

- Process evaluation system
- Automatic water loading (optional, included on BHD and B SPEEDY models) or manual
- Continuous direct discharge (optional, included on BHD and B SPEEDY models)
- Integrated data printer (optional)
- Preset PC connection: the serial port for connection to the CominoxWizard program on all models; LAN and Wi-Fi modules are optional
- SterilCard® reader (optional, included on BHD and B SPEEDY models) for user recognition and cycle memorization
- Bowie & Dick test cycle
- Vacuum test cycle (for testing air leakage rate in accordance with EN 13060)
- Special cycle, user-programmable and accessible via access code or SterilCard®



COMINOX®

TECHNOLOGY. STERILIZATION. SAFETY.

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DIRECTIVES

97/23/CE Pressure equipment
93/42/CEE Medical devices (class IIa)
89/336/CEE Electromagnetic compatibility (and subsequent updates)
73/23/CEE Low voltage (and subsequent updates)

STANDARDS

EN 13060 Small steam sterilizers
EN 61010-1 Safety regulations for laboratory devices - Part 1: General regulations
EN 61010-2-040 Safety regulations specific to sterilizers used in the processing of medical material
EN 61326-1 Electromagnetic compatibility regulations for laboratory devices

WATER SUPPLY TABLE

Dry residue	≤ 10 mg/l
Silicon oxide SiO ₂	≤ 1 mg/l
Iron	≤ 0,2 mg/l
Cadmium	≤ 0,005 mg/l
Lead	≤ 0,05 mg/l
Heavy metal residue (except iron, cadmium and lead)	≤ 0,1 mg/l
Chlorides	≤ 2 mg/l
Phosphates	≤ 0,5 mg/l
Conductivity (at 20 °C)	≤ 15 µs/cm
pH value	from 5 to 7.5
Appearance	colorless, transparent, without sediments
Hardness	≤ 0,02 mmol/l

TYPE TESTS ACCORDING TO EN 13060

	Sterilization cycles			
	N	S1	S2	B
Air leakage (Vacuum Test)	•	•	•	•
Dynamic chamber		•	•	•
Empty chamber	•	•	•	•
Solid load - unwrapped	•	•	•	
Solid load - single wrapped		•	•	
Solid load - double wrapped				•
Small porous load, single wrapped			•	
Small porous load, double wrapped				•
Full porous load, double wrapped				•
Hollow load A (Helix Test)				•
Hollow load B			•	
Dryness, solid load, single wrapped		•	•	
Dryness, solid load, double wrapped				•
Dryness, small porous load, single wrapped			•	
Dryness, full porous load, double wrapped				•
Residual air	•	•	•	

	U.M.	S	B	BHD	B SPEEDY
Steam generation		in chamber	in chamber	in chamber	independent generator
Support for 5 trays or 3 cassettes		•	•	•	•
Trays included		3	3	3	3
Pouch holders		optional	optional	optional	optional
Sterilization cycles					
	121 UNWRAPPED			type N	
	134 UNWRAPPED			type N	
	134 WRAPPED			type S1	
	121 HOLLOW/POROUS	type S2		type B	
	134 HOLLOW/POROUS	type S2		type B	
	134 PRION	type S2		type B	
Total maximum load weight					
	Unwrapped solid loads	kg		5	
	Wrapped solid loads	kg		3	
	Wrapped or unwrapped hollow loads	kg		2,5	
	Porous loads	kg	0,3	1,5	
Chamber capacity	l			17,15	
Clean water tank capacity	l			2,1	
Used water recycling tank capacity	l			2,1	
Water consumption per cycle (minimum - maximum)	cm ³	180 - 500	210 - 700	210 - 700	400 - 800
Maximum flow rate of discharge (direct)	cm ³ /s			30	
Maximum temperature of discharge (direct)	°C			83	
Absolute operating pressure (maximum)	kPa			331	
Electrical voltage and frequency	V - Hz			230 - 50 (single - phase AC)	
Maximum allowed voltage fluctuations	%			±10	
Absorbed maximum power	W		2000		2800
Heat emission	J/h			0,3	
Detected noise level in work areas under suitable conditions (medium - peak)	dB(A) - dB(C)			55,7 - 62,7	
Overall dimensions W x H x D	mm		445 x 390 x 640		445 x 470 x 700
Housing dimensions W x H x D	mm		450 x 395 x 560		450 x 475 x 620
Unit depth with door open	mm		880		940
Usable space dimensions W x H x D	mm		185 x 150 x 285		
Weight (mass)	kg	48,7	51	51	65
Weight by support area with full tank and maximum load	kg/cm ²	1,16	1,2	1,2	1,54
Room temperature allowed	°C		from 15 to 40		
Maximum relative humidity allowed	%		85		
Maximum altitude allowed with standard safety valve	m o.s.l.		1500 [2000 with replacement of the valve]		

• Standard equipment

Technical data are subject to change without notice



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