

*Benchtop Autoclave  
'Icanclave' Series C, D & T*





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## About Us

As a professional manufacturer of autoclaves and steam sterilisers Ningbo Ican Machines Co Ltd provides solutions for a wide range of markets and applications, with our wide range of innovative cleaning and sterilising products.

Our brand 'Icanclave' offers a comprehensive range of benchtop autoclaves suitable for medical centres, hospitals, veterinary clinics, laboratories, tattoo & piercing studios, beauty salons, pedicure parlors and so on.

Our latest edition features the C, D and T series. These autoclaves have improved upon their predecessors by superior grade design, greater precision control systems and improved aesthetics.

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## Our products conform to the following directives and standards



- ◊ Comply with Medical Devices Directives 93/42/EEC
- ◊ Comply with the requirements of standard EN 13060 'Small Steam Sterilizers'
- ◊ Comply with safety requirements according to standard EN61010-1, EN61010-2-040
- ◊ Comply with safety requirements according to standard UL61010-1, IEC61010-2-040
- ◊ Comply with EMC Directive 2004/108/EC, according to standard EN61326, EN61000
- ◊ Comply with Pressure Equipment Directive (PED) 97/23/EC, according to standard EN764-1, EN764-5, EN764-7
- ◊ Apply quality management system EN13485:2012/AC:2012
- ◊ Apply quality management system ISO13485:2003



## Benchtop Autoclave 'Icanclave' Series C, D & T



### Autoclave Cycle Types

Cycle Types	S-Type Series C	B-Type Series D & Series T
		
Unwrapped Solid Items	✓	✓
Wrapped Packs of Solid Items	✓	✓
Hollow B Items	✓	✓
Unwrapped Hollow A Items	✓	✓
Wrapped Packs of Hollow A Items	✗	✓
Porous Items	✗	✓

Thame, D 2008, *Developments in bench top sterilisers*, STS Health, Australasian Dental Practice

A description of type A & B hollow instruments:

**Hollow Load Type A:** An object whose ratio of length of cavity to diameter is greater than 5.

**Hollow Load Type B:** An object whose ratio of length of cavity to diameter is greater than 1 and less than 5.



## Main Features

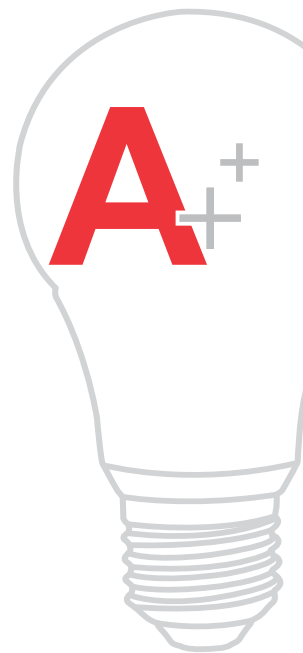
1. Approved by Australian Register of Therapeutic Goods for use in Australia.
2. Australian based technical support, spare parts and servicing.
3. Fully automatic bench top autoclave with pre set programs, high-precision temperature and pressure control.
4. In built independent rapid steam generator ensures quick sterilisation cycles.
5. User friendly interface.
6. LCD screen displaying time, temperature and pressure; process alert; and instrument conditions.
7. Easily accessible water tank.
8. Liquid sterilisation program\*
9. Extra drying program (optional).

\*Liquid sterilisation is only permitted for items that are of non-medical and non-therapeutical use

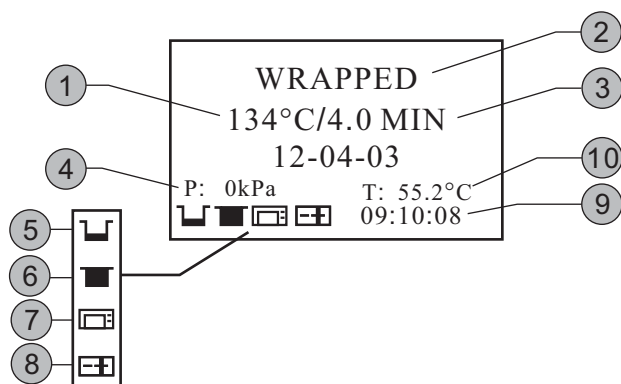


# 6 Safety Features

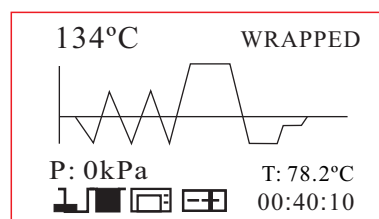
1. Double door protection system prevents the cycle from starting if the door is not correctly locked. This system also prevents the door from opening if pressure inside the chamber is not equal to atmospheric pressure.
2. Pressure safety valve prevents over pressure in the chamber and steam generator.
3. Power automatically cuts if a short circuit or electrical fault occurs.
4. Able to detect and identify the exact cause of any problem, and issue a specific error code to the operator.
5. Water level switch in water tank controlling the minimum and maximum water level.
6. Automatic warning for maintenance.



## LCD Display



- 1 Temperature of the cycle
- 2 Program
- 3 Holding time
- 4 Pressure
- 5 Fill distilled water tank
- 6 Drain used water tank
- 7 Printer is connected
- 8 Door is closed
- 9 Time
- 10 Current temperature



## Documentation

1. Internal printer prints detailed sterilisation data automatically in multiple languages.
2. A USB port and USB drive are provided. All sterilisation data is automatically stored on the USB drive and can be read directly from any computer and stored electronically.
3. The last 20 cycles are automatically stored in the autoclave, which can be printed out at any time.



# Technical Data

## Class B Autoclaves (STE-8-D STE-12-D STE-18-D STE-23-D STE-23-T)

Model	STE-8-D	STE-12-D	STE-18-D	STE-23-D	STE-23-T
Volume	8 Litre	12 Litre	18 Litre	23 Litre	29 Litre
Chamber Size	Ø 170 x 320mm	Ø 200 x 360mm	Ø 247 x 350mm	Ø 247 x 450mm	Ø 247 x 625mm
Dimensions (W x H x D in mm)	414 x 365 x 530	414 x 365 x 570	480 x 450 x 600	480 x 450 x 700	490 x 450 x 880
No. of Trays	2	3	3	3 (+1)	3 (+1)
Tray Sizes (mm)	T1: 145 x 265 T2: 145 x 265	T1: 156 x 295 T2: 156 x 295 T3: 156 x 295	T1: 180 x 295 T2: 225 x 295 T3: 210 x 295	T1: 210 x 395 T2: 225 x 395 T3: 185 x 390 (Optional) T4: 210 x 395	T1: 225 x 570 T2: 210 x 570 T3: 185 x 570 (Optional) T4: 210 x 570
Net Weight	34.5 kg	36.5 kg	47.0 kg	51.0 kg	65.0 kg
Power	1800W	2000W	2000W	2200W	2200W
Amps	7.5A	8.33A	8.33A	9.17A	9.17A

## Sterilisation Record

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Program: WRAPPED

Temperature: 134C

Pressure: 206.0kpa

Drying Time: 08Min

Holding Time: 4.0Min

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	Time	Temp.	Pressure
Start	12:28:17	08 9.0C	
T1:	12:31:32	08 7.1C	-075.0kpa
T2:	12:33:43	110.2C	052.0kpa
T3:	12:36:37	088.9C	-080.0kpa
T4:	12:39:20	114.7C	053.7kpa
T5:	12:43:37	087.9C	-080.0kpa
T6:	12:50:40	134.8C	206.0kpa
TS:		134.7C	209.5kpa

Max. Temperature: 135.2C

Min. Temperature: 134.3C

Max. Pressure: 214.0kpa

Min. Pressure: 204.9kpa

T7:	12:54:39	134.4C	211.4kpa
T8:	12:57:36	102.1C	-060.0kpa
T9:	12:59:54	098.2C	-060.0kpa
End	13:04:07	102.4C	

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Cycle No.: 00017

Ster. Value: Success

Date: 2014-06-07

SN: E54723

Operator:

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## Class S Autoclave (STE-16-C)

Model	STE-16-C
Volume	16 Litre
Chamber Size	Ø 230 x 360mm
Dimensions (W x H x D in mm)	445 x 400 x 605
No. of Trays	3
Tray Sizes (mm)	T1: 185 x 295 T2: 210 x 295 T2: 210 x 295
Net Weight	45.0 kg
Power	2000W
Amps	8.33A



## Pouch Sizes

Size	8L	12L	16L	18L	23L	29L
57mm X 105mm	✓	✓	✓	✓	✓	✓
90mm X 134mm	✓	✓	✓	✓	✓	✓
90mm X 230mm	✓	✓	✓	✓	✓	✓
135mm X 255mm	X	✓	✓	✓	✓	✓
190mm X 330mm	X	X	X	X	✓	✓

# Pre-programmed Cycles

## Class S Autoclave (STE-16-C)

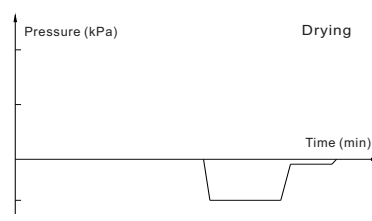
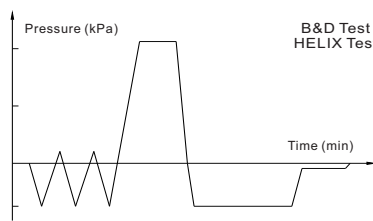
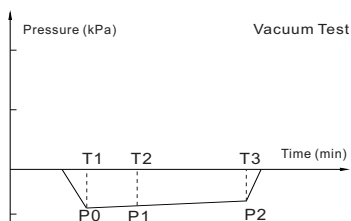
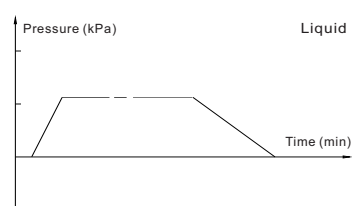
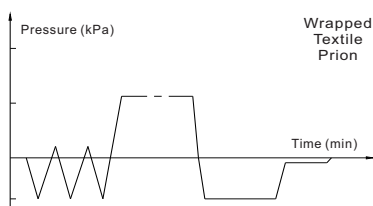
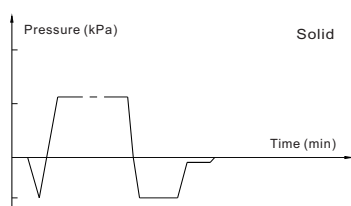
Programs	Temperature °C	Pressure kPa	Holding Time (min)	Total Time (min)
Solid	134	210	4	14-30
	121	110	20	30-45
Wrapped	134	210	4	30-45
	121	110	20	35-55
Textile	134	210	8	30-50
	121	110	30	40-60
Liquid*	134	210	10	30-55
	121	110	30	35-60
Prion	134	210	18	35-55
B & D Test	134	210	3.5	22-35
Helix Test	134	210	3.5	22-35
Vacuum Test	-	-	-	18-20
Drying	-	-	-	1-20

\*Liquid sterilisation is only permitted for items that are of non-medical and non-therapeutical use

## Class B Autoclaves (STE-8-D STE-12-D STE-18-D STE-23-D STE-23-T)

Programs	Temp. C	Pressure	Holding Time (min)	Total Time (min)				
Model	-	-	-	8L	12L	18L	23L	29L
Solid	134	210	4	14-25	14-30	20-35	25-45	30-50
	121	110	20	25-40	30-45	30-50	30-60	35-65
Wrapped	134	210	4	20-45	30-45	30-50	35-60	40-65
	121	110	20	30-50	35-55	35-55	35-65	40-70
Textile	134	210	8	25-50	30-50	40-65	50-70	50-70
	121	110	30	30-55	40-60	45-70	50-75	55-80
Liquid*	134	210	10	25-50	30-55	30-55	35-60	40-65
	121	110	30	30-55	35-60	35-60	35-65	40-70
Prion	134	210	18	30-50	35-55	45-70	50-75	55-80
B & D Test	134	210	3.5	15-35	22-35	22-35	28-35	33-40
Helix Test	134	210	3.5	15-35	22-35	22-35	28-35	33-40
Vacuum Test	-	-	-	17-20	18-21	19-22	20-25	25-30
Drying	-	-	-	1-20	1-20	1-20	1-20	1-25

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