Autoclave

WAC
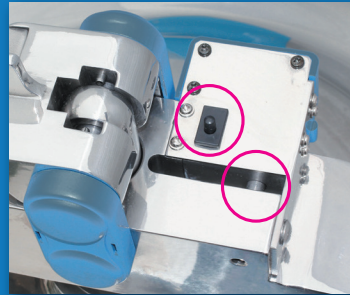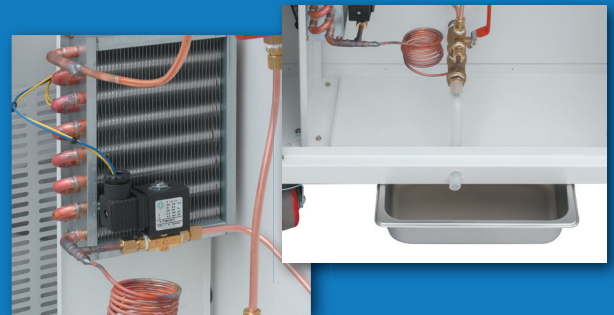## WAC-R

Safety electronic door locking system

Sterilizing cycle only starts when the door is locked. Electro-mechanical sensor, magnetic latch, and one-touch open button work together to implement the perfect safety door, which can be opened only when the temperature and pressure has dropped to a safe level inside the pressure vessel.

Special steam condensing mechanism

Hot steam generated by sterilizing cycle is not released out directly. It is condensed into a small amount of water just after the sterilizing cycle by a special condensing mechanism, which protects the user from dangerous high temperature steam.

Lever-type sliding door

Opening and closing the autoclave door is smooth and easy due to the lever-type sliding door.

Liquid & solid cycle mode

Optional operation in liquid and solid cycle mode. During liquid mode the temperature decreases very slow and steam is released step by step, during solid mode the temperature decreases very fast and steam is released directly.

Sterilization cycle data recorder

The WAC-R models come along with a built-in recorder which allows to analyse the process of temperature, pressure, time and error status during the sterilization process.


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Operation Date :   2014.01.08
Operation Time :   14:25:02
Operator : YSI-01
Cycle Type : SOLID

1 STEP : HEAT (H)
2 STEP : STERILIZATION (S)
3 STEP : EXHAUST (E)
4 STEP : DRY (D)

Start Time : 17:04:00
Set Temp. : 121.0℃
Set Time : 00:15

STEP  TIME      TEMP.   PRESSURE
 H   17:04:00   88.0℃    0.4
 H   17:07:01   95.8℃    0.5
 H   17:16:02  102.6℃    0.6
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47 l, 60 l, 80 l, up to 132°C, steam condensing mechanism, wire baskets included

IQ | OQ
available
page 12 for details

WAC-R80 with built-in recorder

WAC / WAC-R

Ideal for:
• biotechnology, clinical, environmental, medical and food industry

Features:
• stainless steel wire basket (2 pcs. included) and pressure vessel
• powder-coated steel body
• top loading sterilizer for loading of large working volume
• thermal printer (record paper roll w58/ Ø 40 mm) (WAC-R)
• solid and liquid mode
• with casters for excellent mobility
• digital backlight LCD display
• digital timer function – delay time and operation time can be controlled
• built-in recorder: print sterilization data (only WAC-R)
• CE certified and unique serial number for tracing

Safety mechanism:
• overheat and over-current protection
• automatic over pressure release valve & heat-protective lid
• error alarm, power failure and temperature error
• water low level detection
• electronic door lock sensing system (locks the door over 80°C)

Controller
• digital fuzzy controller (fully automatic)

Model	WAC-47 / WAC-R47	WAC-60 / WAC-R60	WAC-80 / WAC-R80
Capacity	47 l	60 l	80 l
Temperature range & accuracy	room temperature ±0.5°C to 132°C, ±0.5°C at 121°C		
Pressure & gauge	1.2 kgf/ cm² at 121°C / 2.0 kgf/ cm² at 132°C, 0 - 3 kgf/ cm²		
Heating power (consumption)	2 kW	3 kW	3 x 2 kW
Door & closing system	lever type sliding door/ safety electronic door closing system		
Basket dimensions	Ø270 x 240 mm	Ø320 x 240 mm	Ø370 x 240 mm
Internal dimensions (W x D x H)	Ø300 x 670 mm	Ø350 x650 mm	Ø400 x 650 mm
Outer dimensions (W x D x H)	700 x 470 x 1080 mm		810 x 580 x 1140 mm
Packing size & gross weight	700 x 470 x 1,080 mm, 117 kg	700 x 470 x 1,080 mm, 120 kg	810 x 580 x 1140 mm, 170 kg
Power supply	1 Phase AC 120V, 60 Hz or AC 230V, 50/60 Hz		3 Phase AC400V, 50/60Hz, with terminal block

			WAC-47 / WAC-R47	WAC-60 / WAC-R60	WAC-80 / WAC-R80
without PED* certification, 2,0 mm tank	Order number WAC	230V	DH.WAC05047	DH.WAC05060	-
		120V	DH.WAC06047	DH.WAC06060	-
		3 Phase	-	-	DH.WAC07080
	Order number WAC-R**	230V	DH.WACR2047	DH.WACR2060	-
		120V	DH.WACR1047	DH.WACR1060	-
		3 Phase	-	-	DH.WACR3080
with PED* certification, 3,0 mm tank	Order number WAC-P	230V	DH.WAC05047P	DH.WAC05060P	DH.WAC05080P
		120V	DH.WAC06047P	DH.WAC06060P	DH.WAC06080P
		3 Phase	-	-	DH.WAC07080P
	Order number WAC-RP**	230V	DH.WACR2047P	DH.WACR2060P	DH.WACR2080P
		120V	DH.WACR1047P	DH.WACR1060P	DH.WACR1080P
		3 Phase	-	-	DH.WACR3080P

NEW

*PED (pressure equipment directive) certification, IQ|OQ only without PED certification available.
* Recorder-type: built-in recorder printer, sterilization cycle data (date, temperature, pressure, time, error status, etc.)