Model YX-24LDJ

PORTABLE PRESSURE STEAM STERILIZER



USER'S MANUAL

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Ⅰ Usage

The product uses saturated steam to rapidly and efficiently sterilize articles. It can be used in hospitals, public health centers, health stations, clinics in factories and mines, scientific research institutes, etc, to sterilize medical equipment, surgical dressings, glass utensils, solutions, substrata. It can also be used as cooker in plateau areas and be used to make high quality drinking water in industrial and mining enterprises.

ⅡSTRUCTURE & CHARACTERISTIC

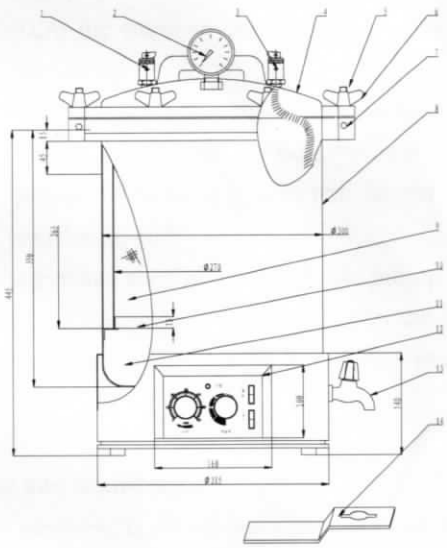
1、 With pressure steam adjuster, when pressure reached the setting value, it'll keep and control.

2、 With timer, when the time reached the setting, auto turn off power and alarm to tell sterilize end.

3、 With safety valve, release valve and gauge, when the steam pressure go over 0.165Mpa, the release valve should exhaust the pressure to ensure the safety, there is reading on the gauge face for both Mpa and temperature for check the data.

4、 With electric heating elements of immerge type, auto pressure control.

5、 The container and drum adopted stainless steel 0Gr18Ni9Ti, anti-acid, anti-alkali and anti-rust.



1. safety valve
2. gauge
3. release valve
4. lid
5. bolt
6. butterfly nut
7. sealing washer
8. container
9. drum
10. sieve plate
11. electric coil
12. control box
13. water tap
14. wrench

Ⅲ specification

1、	sterilizing volume	$0.024M^3$
2、	working pressure	0.14-0.16Mpa
3、	Max. safety pressure	0.165Mpa
4、	pressure adjust range:	0.05-0.14 Mpa
5、	timer range:	0-60min
6、	power / consumption:	2KW /AC110V.60Hz
7、	drum size:	ϕ 280×260 mm
8、	dimension	41×41×63 cm
9、	Net weight:	18kg
10、	Gross Weight:	20kg

11、 Safe protection of water lack.

Ⅳ Use

1、 Pouring water: Pour 1.5 liters of water into the container and be ready for use. As sterilization will consume certain amount of water, add water to the rated amount before using again, otherwise the electro-thermal tube will be damaged owing to shortage of water.

2、 Piling: Put the articles to be sterilized on the sieve plate in the sterilizing drum, properly wrapped up, leaving certain space between the bundles so as to let the steam penetrate, thus guaranteeing sterilizing quality.

3、 Sealing: Put the sterilizing drum into the container. Evenly tightening the wing nuts to make the lid and container closely fit each other by spanner.

4、 Heating operation process:

1） Please insert the plug to the socket, then put up the tips on the valve.

2） Turn on the Pre-heat switch, the pilot of pre-heat light and means start to heat, when the emergent air crash out put down 2 tips, along with the heating going on, the arm will indicate the steam pressure. Turn off the pre-heat switch when safety valve release the steam automatically.

3） Please turn the knob of pressure control to the position of you needed pressure.(Max. 0.14 Mpa)

4） Turn the timer to the real time add 10 minutes clockwise, then turn back to the time of sterilizing.

5） Turn off pre-heat switch, turn on the timing switch, it enters the thermostat state, the pilot should flash at this period (that is said the thermostat going on), when the time reached the preset the heating power will be cut off, pilot darken and alarm, then timing off anf the sterilizing end.

5、 cooling: when sterilizing end please put up the tip on release valve to release the steam, until the arm of the gauge to "0" you can open the lid. (if the object is liquid or glass, never release the steam at once, otherwise the liquid flow out or even explosion should happen.)

Ⅴ Safety and maintenance

1、 This sterilizer is steam pressure vessel so do not impact in using and forbid overpressure. If the pressure pointer of pressure gauge reaches the 0.165MPa and the safety valve does not exhaust, it should stop using at once and check up the safety valve.

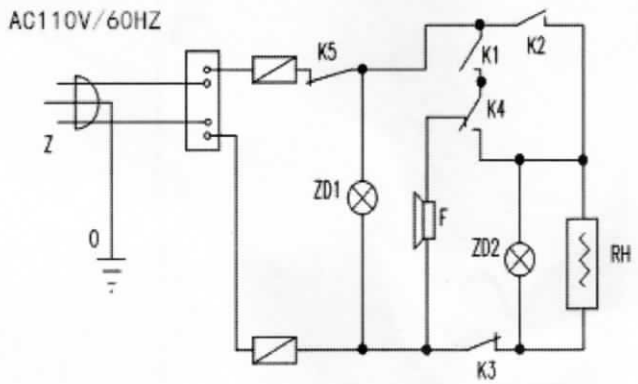
2、 The pointer should be at zero position before usage the pressure gauge, otherwise the gauge has been failure and it should repair or replace the gauge. The pressure gauge should be regulated 1~2 times per year, ensuring sensitiveness and correctness.

3、 Drain the water inside the container and condensing water below the sieve plate and had better wipe out water and deposit on the electro-thermal tube in order to benefit the sterilization quality and prolong the working life.

4、 Gasket is easy to wear. If it does not wok well, see it whether become aging and hard, then replace it in time.

Object of sterilization	Time for temperature holding(min)	Steam pressure (gauge pressure)			Relative temperature of saturated steam
		MPa	Kgt/cm^2	Ibf/In^2	
Rubber	15	0.11	1.1	16	121-126
Dressing	30-45	0.105-0.14	1.05-1.4	15-20	121-126
Utensils	15	0.105-0.14	1.05-1.4	15-20	121-126
Appliance	10	0.105-0.14	1.05-1.4	15-20	121-126
Bottled Solutions	20-40	0.105-0.14	1.05-1.4	15-20	121-126

5、the circuit of the electricity plate as the fig.



K1: timer switch 10A/AC110V
K2: pre-heating switch 10A/AC110V(with lamp)
K3: pressure ajusting switch 10A/AC110V
K4: time-seting switch
K5: over-heated device T150K(150°)(usually off)
RH: electric-heat tube 2000W/AC110V
ZD1 power source lamp
ZD2 heating lamp
F buzzer
fuse