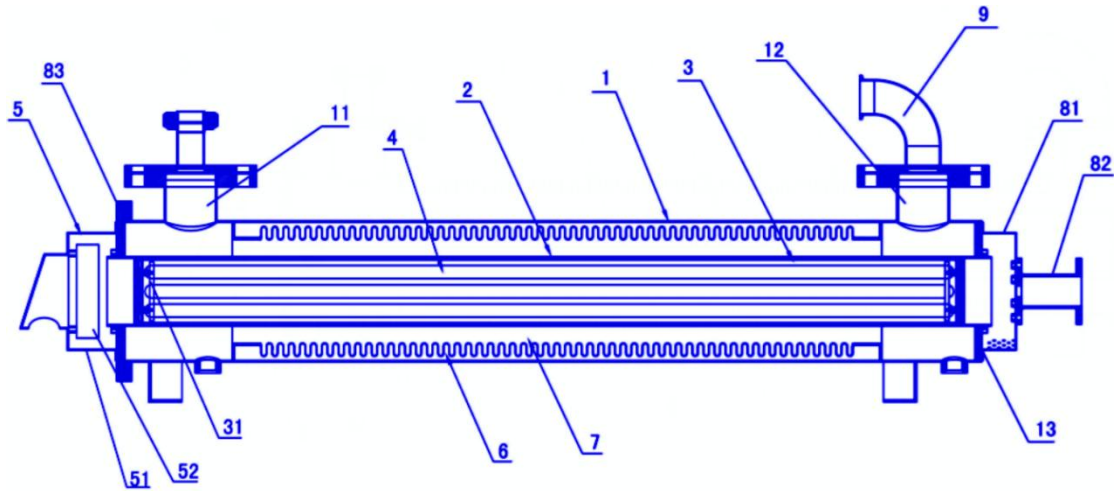


Microwave ultraviolet liquid beverage sterilization equipment LD1903

In order to preserve the nutrients in fresh milk better, kill as many harmful bacteria as possible in fresh milk. leader Engineers are committed to researching UV disinfection devices, combined with microwave sterilization equipment, designed LD1903 Microwave ultraviolet liquid beverage sterilization equipment. It not only can protect the beneficial substances in liquid drinks, but also kills as much harmful substances as possible in liquid drinks.



Schematic diagram of the Microwave ultraviolet liquid beverage sterilization equipment
Quartz tube2, Cylinder1, Ultraviolet tube4, End wall13, End cap81, Microwave introduction tube82, Microwave introduction tube82, End cap81, Resonant cavity3, Quartz tube2, Flange83, Cooling component5, Fan cover51, Fan52, Bellows6, Resonant cavity3, Lamp holder31, Ultraviolet tube4, Lamp holder31,

The structural function of the LD1903 Microwave ultraviolet liquid beverage sterilization equipment:

1. By providing a cavity for generating microwave discharge in the quartz tube, An ultraviolet lamp tube is disposed in the resonant cavity, and a bellows is coaxially disposed outside the quartz tube. In this way, the microwave generated by the microwave source enters the resonant cavity and flows in the resonant cavity during use, The resonant cavity acts to allow ultraviolet light to be emitted to prevent microwave leakage.

2. According to the actual application, a liquid beverage conduit can be connected to the liquid beverage discharge pipe, The liquid beverage draft tube is connected to the liquid beverage inlet tube of the other Microwave ultraviolet liquid beverage sterilization

equipment, That is, two microwave ultraviolet liquid beverage sterilization and disinfection devices are connected by a liquid beverage guiding tube , In practice, a plurality of microwave ultraviolet liquid beverage sterilization and disinfection devices can be connected in series to sterilize and sterilize liquid beverages , In order to complete the sterilization process of liquid beverages in one time, shorten the sterilization time。

3.The microwave flowing in the cavity is absorbed by the gas inside the ultraviolet lamp, and the ultraviolet lamp is excited to generate ultraviolet rays, ultraviolet radiation enters the tube through a liquid beverage connected to the barrel into a liquid beverage in a liquid beverage sterilization channel formed by a gap between the bellows and the quartz tube, achieve the purpose of sterilization of liquid beverages , at the same time, because the bellows is transmitted to the flowing liquid drink。

Under the disturbance, the liquid drink is in agitated state , in this way, the uniform sterilization and disinfection of the flowing liquid beverage is realized quickly and easily, and the sterilization and disinfection effect is greatly improved , goodly preserved beneficial substances in liquid drinks and killed as many harmful bacteria as possible in liquid drinks; on the other hand, since the ultraviolet lamp is placed in a cavity that is transparent to ultraviolet rays, the ultraviolet rays emitted from the ultraviolet lamp can be 100% utilized.

4.LD1903Microwave ultraviolet liquid beverage sterilization equipment by setting a bellows, the anti-virus disinfection effect is greatly improved , it is not only simple in structure, but also effective in disinfecting and disinfecting liquid beverages such as milk and granules with high concentration and low transparency.

5.It is best to have four UV tubes 4 when conditions permit, And the four ultraviolet lamps 4 are distributed 360 degrees, so that the ultraviolet rays emitted by the four ultraviolet lamps 4 can completely disinfect the liquid beverage in the liquid beverage sterilization and disinfection channel 7.

The parameters of the LD1903Microwave ultraviolet liquid beverage sterilization equipment:

Daily capacity	8T-10T	Leakage value	$\leq 3\text{mw/m}^3$
Total power	30KW/h	Microwave frequency	2450/915MHz
transfer speed	0-5m/min(Adjustable)	Cooling method	Water cooling
Sterilizing ability	300-400kg/h	work method	Completely continuous
size	10500x840x1800mm	Heating method	Electricity

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