

Hydrogen Generator



Features

Working Principle

This sterilizer expels cold air from the inner chamber and employs saturated moist heat steam as the sterilizing agent. Under the combined action of specific temperature and time, it achieves sterilization of items permeable to steam. All preset process parameters for this equipment are established based on the load conditions described in this program, using *Bacillus stearothermophilus* spores or equivalent microorganisms with specific resistance (refer to relevant national standards for specifics) as the representative sterilizable microorganism.

Note 1: When the resistance of microorganisms potentially present in the sterilization load exceeds the standard-specified resistance (e.g., prions), relevant process parameters such as sterilization temperature and time must be adjusted based on the characteristics of the specific microorganism. Use is permitted only after corresponding process validation.

Note 2: The sterilizing agent's efficacy against the specified microorganism is only guaranteed when the equipment and associated facilities are operating normally. Equipment malfunctions, failures in external connection systems, or improper loading of the sterilized load may all compromise the sterilizing agent's effectiveness.

Note 3: When the sterilized load changes, the operator must verify whether the load is suitable for sterilization in this equipment before proceeding with related operations. Failure to do so may cause unpredictable damage to the equipment or load!

Technical parameters:

Chamber volume	8L	12L	18L	23L
Power supply	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz
Power consumption	3kW	3kW	3kW	3kW
Sterilization programs	Unwrapped (134°C), Unwrapped (121°C), Wrapped (134°C), Wrapped (121°C)			
Structure				
Net weight/kg	40	44	50	55
Machine size/mm	580*420*385	580*420*385	590*485*455	690*485*455
Chamber size/mm	Φ170*320	Φ200*360	Φ247*350	Φ247*450
Chamber material	Stainless steel 304	Stainless steel 304	Stainless steel 304	Stainless steel 304
Gross weight/kg	53	53	58	65
Packing size/cm	68*52*49	68*52*49	62*73*64	75*55*65
Purified water container volume/L	2.5	2.5	3	3
Safety				
Design temperature	144 ° C	Design pressure		0.30MPa
Working	0.24MPa	Relief valve's maximum		0.28MPa

pressure		operating pressure	
Temperature range	121° C or 134° C	Temperature accuracy	0.1° C
Pressure display accuracy	1kPa	Maximum vacuum	21kPa
Door interlock	Yes		