

Digital Fully-Automatic Autoclave



Application:

High-pressure steam sterilization of conventional sterilization materials such as culture media, instruments, glassware and containers; sterilization of relatively sealed containers (Cillin bottles, blue cap bottles, etc.), large-volume dense sterilization materials such as instrument packages, large bottles of culture media, dense fabric bag), the positive pressure pulse exhaust function ensures the thorough discharge of cold air, improves steam penetration, and ensures sterilization effect.

Main Feature:

Intelligent control system: BRIGHT I operating system, which can automatically compensate for control parameter values according to environmental changes;

High-definition large-screen display: high-definition color LCD touch screen, sterilization temperature, sterilization time, sterilization program, work Key parameters such as status diagrams and alarm information are displayed on the same screen;

Ergonomic large screen: the high-definition large screen is located on the slope of the upper cover, ensuring the best display angle of the large screen while preventing light reflection from external light sources;

Snap button door opening structure: snap button on top Flip-type door opening structure, with dual protection of mechanical self-locking and electronic interlocking;

Anti-scalding design of the whole machine: the upper cover is covered with integrated polymer material, which effectively reduces the surface temperature during the sterilization process and prevents scalding of the operator;

Rapid cooling system: After sterilization is completed, the cooling rate can be accelerated and the door opening time can be shortened;

pipeline distribution: electrical circuits and pipeline routes are arranged on both sides of the sterilizer, with a more reasonable structure and safer use;

Mirror liner: the liner has been through many The mesh polishing process achieves a mirror reflective effect, which not only ensures the overall cleanliness of the interior, but also facilitates use and maintenance;

Large curvature curled inner cylinder: different from the traditional cylinder's liner plus flange structure, we use a large curvature curled inner cylinder Edge technology makes the transition at the upper mouth smooth, effectively preventing operators from scratching their hands when picking up and placing the basket;

Multiple preset programs: 9 built-in sterilization programs + 3 melting and insulation programs, and the operator can modify the programs at the same time And save it, it can be called directly for the next sterilization;

Sample time mode: The sterilization program can be set to start timing when the sample temperature reaches the set temperature, helping the operator to grasp the actual sterilization time of the sample;

Password management function: The administrator masters password management, to prevent unrelated operators from mis-operation and modifying internal parameters;

3-point temperature calibration: both sterilization temperature and sample temperature support 3-point temperature calibration, and manual correction can be made when there is a deviation in temperature measurement;

Boiling point setting function: in high-altitude areas, it can be adjusted according to the local Set the boiling point according to the situation to ensure that the sterilization temperature can be reached;

Door opening temperature setting: the operator can modify the door opening temperature according to the use situation to ensure the safety of use;

One-button exhaust and drainage: sterilization is completed and supports one-button exhaust and drainage, which is convenient for operation personnel to perform sterilizer maintenance;

Scheduled operation: It has a countdown scheduled operation function to facilitate operators to strictly control the sterilization time;

Six-level exhaust setting: Supports six-level exhaust setting, and sets the sterilization time according to the sterilized sample Exhaust mode;

positive pressure pulse exhaust: 6-level cold air discharge program can be set to ensure complete cold air discharge;

Low water level dual protection: water level detection probe + anti-dry burning probe dual low water level protection, the water level is too low to start Sterilization program;

Other safety protections: fault detection function, over-temperature protection, over-pressure self-discharge protection, anti-scalding protection, overload protection, short-circuit protection, leakage protection, independent electronic over-pressure and other multiple safety guarantees;

Optional sample temperature probe, Can realize real-time viewing of sample temperature;

Comes standard with a 485 data interface and G1/2A verification port;

optional biosafety filter, verification lead, and embedded printer.

Technical Specifications:

Model	QC-60-DVA	QC-85-DVA
Capacity (Litre)	60 L	85 L
Sterilization temperature	105~135°C	
Temperature fluctuation	<+1°C	
Temperature uniformity	≤1°C	
Melting temperature	50~100°C	
Insulation temperature	40~60°C	
Sterilization time	0 ~240min	
Melting time	0~600min	
Holding time	24h	
Reservation time	99h59min countdown	
Design pressure	0.28MPa	
Working pressure	0.212MPa	
Heating power	3.6kW	
Power supply	~220V±22V, 50Hz±1Hz	
Ambient temperature	5~40°C	
Environment Humidity	20%~80%RH	
Outline size	560×590×840mm	560×590×1060mm
Inner cavity size	Ø385×560mm	Ø385×770mm
Net basket size	Ø370×260mm×2 pieces	Ø365×210mm×3 pieces
Net Weight (kg)	142 KG	160 KG