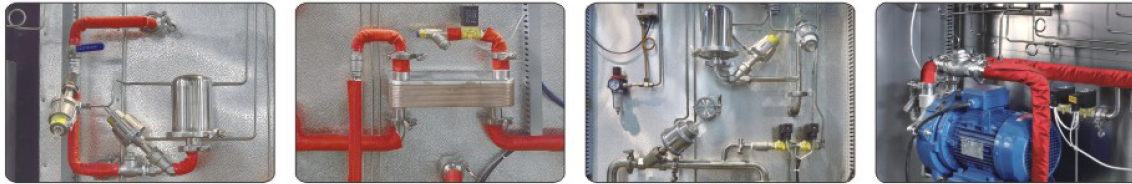




## WG Series Pulse Vacuum Autoclave



WG series pulsating vacuum sterilizers use saturated steam as the sterilizing medium, by relying on the physical property that the saturated steam can release a large amount of latent heat and moisture during condensation, it renders items to be sterilized in a highly heated and humid state. After a period of heat preservation, the purpose of sterilization is achieved. The effect of cold air on temperature is eliminated by means of pulsating vacuum exhaust, finally the items drying is realized by the vacuum dehumidification combined with jacket.

WG series pulsating vacuum sterilizers are mainly used in central sterile supply department, third-party disinfecting supply centers, and operating rooms, where medical devices, dressings, rubber, lumen devices, implantable devices, and liquids are sterilized.

### Structure and Characteristic of the Equipment

**Body of the sterilizer:** ◎ Designing, manufacturing and inspection are performed according to GB/T 150 "Pressure Vessel", GB 8599 "Technical Requirements for Large Steam Sterilizer Automatic Control Type" and TSG 21-2016 "Stationary Pressure Vessel Safety Technical Supervision Regulations".

- ◎ The main structure is of a rectangular cross section with European ring-type jacket with reinforcing ribs. The doors are pneumatically sealed, and the two doors are interlocked, which fully meets the specific requirements.
- ◎ The materials that come into contact with steam such as the interior liner and door panels are all S30408 stainless steel, with a designed service life up to 10 years and 20,000 sterilization cycles (316L stainless steel is the optional material with designed service life of 15 years and 30,000 sterilization cycles). The gear rack and the teeth are made of S30408 stainless steel, and the jacket is made of high-quality Q245R material specific for pressure vessels, with S30408 optional.
- ◎ With standard GMP authentication interface.

**Piping System:** ◎ 304 stainless steel sanitary pipes, with clamp joints. Adopting GEMU angle seat pneumatic valves imported from Germany, solenoid valves supplied by Taiwan AirTAC and directly connected water ring vacuum pump imported from German SPECK.

- ◎ (Optional) Smart automatic drainage system, water-conservative noise reduction system and pipeline insulation treatment.

**Controlling System:** ◎ Adopting imported Siemens PLC and colorful touch screens on the operator's side; the printer prints the process data of each stage in real time manner; with a variety of safety and alarming systems.

- ◎ Equipped with a communication interface connected with the quality tracing system of the disinfecting supply center. Intelligent maintenance system, with remote monitoring and maintenance modules (optional).
- ◎ Double pulsation processes more thoroughly remove the interior air, improving fatigue life of equipment, with excellent drying performance.



## Main Parameters and Utilities

Designed Pressure of Inner Chamber	-0.1 ~ 0.3MPa	Opening Pressure for Inner Chamber's Safety Valve	0.28MPa
Designed Pressure of Jacket	0.3MPa	Opening Pressure for Jacket's Safety Valve	0.28MPa
Designed Temperature	150°C	Precision of Sterilization Temperature Control	0~2°C
Maximum Working Temperature	139°C	Temperature Uniformity	± 1°C
Maximum Working Pressure	0.25MPa	Negative Pressure Pulsation Vacuum Amplitude and Times	Amplitude -80~0KPa, Times 1~99
Vacuum Leakage Rate	≤0.13KPa/min	Times of Pulses Across Pressure	Amplitude -80~80KPa, Times 1
Ultimate Vacuum	-97KPa	Times of Positive Pressure Pulses	1 ~ 3

## Size & Utilities

Model	Size of Liner		Volume (L)	Overall Size L × W × H(mm)	Weight (Kg)	Steam Consumption (Kg/C)	Tap Water Consumption (Kg/C)	Power Supply	Power
	W × H(mm)	Depth(mm)							
WG-0.25	550 × 550	850	255	1250 × 1280 × 1850	750	18	120	380V, 50HZ	2KW + ⑳KW
WG-0.36	610 × 610	1000	360	1300 × 1350 × 1850	850	22	180	380V, 50HZ	2KW + ㉑KW
WG-0.6	610 × 910	1200	600	1500 × 1440 × 1960	1250	35	320	380V, 50HZ	3KW + ㉒KW
WG-0.8	610 × 910	1500	800	1800 × 1440 × 1960	1350	47	400	380V, 50HZ	3.5KW + ㉓KW
WG-1.2	680 × 1180	1500	1200	1800 × 1480 × 2000	1650	65	600	380V, 50HZ	3.5 KW
WG-1.5	680 × 1180	1850	1500	2140 × 1480 × 2000	1850	80	750	380V, 50HZ	4 KW
WG-2.0	900 × 1390	1620	2000	1970 × 1750 × 2200	2300	106	1000	380V, 50HZ	4.5KW
WG-2.5	900 × 1390	2050	2500	2350 × 1750 × 2200	2700	132	1250	380V, 50HZ	6KW
WG-3.0	900 × 1390	2400	3000	2700 × 1750 × 2200	3500	132	1250	380V, 50HZ	8KW

Note: ㉑ ㉒ ㉓ ㉔ represent the power of the built-in steam generator (optional)