



## *GTI-SM Small Automatic Sterilization Machine*



As the sole national R&D center for disinfection & sterilization equipment, Galbino is the main drafting unit for national and industry standard for sterilization equipment. Now Galbino is the largest manufacturing base for sterilization and disinfection equipment in the world. Galbino has passed the certification of ISO9001, CE, ASME and pressure vessel management system.

GTI-M series small steam air mixture sterilizers are suitable for products that require rapid heating for sterilization, drying and cooling after sterilization. The system consists of forced convection fan and air deflectors. Under the strong driving of the fan and the guidance of air deflectors, the high temperature mixed sterilization medium (pure steam and clean air) in the sterilization chamber forms vortex airflow which flows evenly through the products for heating and sterilization. The temperature distribution during sterilization is within the allowable standard range. Cooling water flows into the condensing coil group to condense chamber steam and lower hot air temperature so that products are cooled by cooling air. Plant steam flows into the coil and keep chamber in a certain drying temperature (adjustable) in order to evaporate water vapor on product surface and realize drying. A certain amount of clean compressed air is introduced into the chamber to keep product pressure balance and prevent product damage cause by high pressure inside.

**Technical Parameters:**

<b>Item</b>	<b>Description</b>
Design pressure	-0.1/0.3MPa
Operating pressure	0.27 MPa
Hydraulic test pressure	0.39 MPa
Design temperature	144°C
Working temperature	140°C
Temperature uniformity	≤±1°C
Insulation material	Quality aluminum silicate fiber cotton, 60mm thick
Surface temperature	Outer surface temperature is not 25°C higher than ambient temperature