

IS 8462 : 1977 Sterilizer, Portable, Vertical, Pressure Type

The Indian Standard Specifies requirements for portable pressure type vertical sterilizer of diameter not exceeding 350 mm, heated externally and operated under saturated steam at a pressure not exceeding 180 kPa.

Materials would be essential parts like the body, lid, gasket, handles, and safety valve must be made from stainless steel, heat-resistant synthetic rubber, and non-flammable plastic, respectively. Design and Dimensions of the sterilizer, with a circular chamber up to 350 mm +/- 5 in diameter and height between 300-325 mm, is designed to operate on gas, kerosene, charcoal, or electricity if specified. Construction includes a safety valve, pressure gauge, and steam release cock, and handles remain cool during use. For electric models, an immersion heater is provided. Each sterilizer undergoes proof pressure and performance tests to ensure durability and functionality.

Each Sterilizer is marked with ISI mark, size, manufacturer's details, usage instructions, and packed in a cushioned cardboard carton for protection. This standard ensures the sterilizer is safe, durable, and user-friendly for medical applications.