

Domestic pressure cookers are closed vessels used for cooking, using an external heat source like a stovetop or an internal heating element. These cookers are built to maintain a specific range of steam pressure during cooking, making food preparation faster and more efficient.

IS 2347:2023, is the Indian Standard that outlines the specifications for the domestic pressure cookers. The ISS outlines detailed requirements for various aspects of the pressure cooker, from the materials used in construction to the testing procedures employed to guarantee safety and performance. These requirements cover a range of factors such as the capacity of the cooker, the specific grades of aluminium alloy or stainless steel used in the lid, body and other components of the cooker, the types and functionality of safety features like pressure regulating devices and safety relief valves, and the performance criteria for handles and knobs.

Additionally, the ISS addresses aspects of workmanship and finish, recommending the cookers are free from visual defects and have appropriate plating or coatings, as specified. A comprehensive set of tests is also outlined to assess the cooker's performance under various conditions, including **air pressure test, proof pressure test, thermal shock test, lid removal test, pressure regulating device test, safety relief device test** and assessments of the effectiveness of induction bottoms for compatible models.

The standard also specifies the necessary markings for the cooker, including safety instructions and information about the materials and capacity, to ensure consumer awareness and safe usage.