

IS 368:2014

Electric Immersion Water Heaters

Scope

The standard covers the general safety and performance requirements for ac single phase or dc portable electric immersion water heaters without thermostat and with a flexible cord and connector intended for water heating purposes.

Safety and Other Requirements

The safety and other performance requirements include

- Protection Against Access to Live Parts
- Power Input and Current
- Heating
- Leakage Current and Electric Strength
- Transient Over Voltages
- Moisture Resistance
- Overload Protection of Transformers and Associated Circuits
- Endurance
- Abnormal Operation
- Stability and Mechanical Hazards
- Mechanical Strength
- Supply Connection and External Flexible Cords
- Terminals for External Conductors
- Provision for Earthing
- Screws and Connections
- Resistance to Heat and Fire
- Resistance to Rusting