



IS 9338 : 2013 'Cast Iron/S.G. Iron/Cast Steel Screw-Down Stop Valves for Water Works Purposes — Specification'

The document IS 9338 : 2013 specifies requirements for **cast iron, S.G. iron, and cast steel screw-down stop valves** used in **waterworks**. This standard, covers design, materials, construction, and testing protocols to ensure effective water control.

This standard applies to **screw-down stop valves** used in water supply systems up to 45°C, available in nominal sizes from 15 mm to 600 mm. These valves control water flow and are categorized into **globe stop valve** (straight type) and **angle stop valve**.

Consumers expect high **pressure resistance, durability, and leak-proof operation**. The standard specifies nominal sizes, nominal pressure, materials for different components with specific grade and corresponding IS Codes ensure durability and corrosion resistance.

This standard specifies **hydrostatic testing** pressures and duration for body, seat and back seat for different PN ratings.

The standard also requires **dimensional consistency** (specifies dimensions of flanges for stop valves and of screw down stop valves, a **hand wheel** for manual operation, and **interchangeable parts** for ease of maintenance).

This specification ensures that stop valves provide **reliable control** and **long service life** in waterworks applications.