

IS 3950:1979 –Surface Boxes for Sluice Valves

The Indian Standard IS 3950:1979 outlines the specifications for surface boxes for sluice valves, which are commonly used in water supply systems.

Key Specification:

Surface boxes are deep metal frame with a lid fixed in the ground with the lid level at the surface to give access to underground fittings such as a valve or Hydrant. This ensures the valves can be operated and maintained without disrupting the area above.

Material:

The boxes are made from high-quality cast iron conforming to Indian Standards IS 210, ensuring strength and durability, especially in outdoor or harsh conditions. The hinges pin shall be made of galvanized mild steel conforming to IS 280. The galvanizing shall be done in accordance with IS 2629. They are designed to be robust enough to protect the valves from environmental damage and wear.

Testing requirements:

Dimension and tolerance, Mass(Minimum mass of surface box shall be 33kg), Protective coating (To prevent rust and corrosion, ensuring long-term reliability).

When buying ISI-marked Surface Boxes for Sluice Valves here's what to check-

- Marking Detail include Manufacturer's name , The word W or any other letter as agreed between manufacturer and purchaser, BIS Standard Mark with CM/L No.
- To verify the CM/L number marked on the product, **download the BIS CARE app from the Play Store.**
- You may explore further by downloading the standard for free from <https://standardsbis.bsbedge.com/>.