

# IS 3950:1979 –Surface Boxes for Sluice Valves

Surface boxes for sluice valves are protective enclosures typically installed at ground level to provide access to underground sluice valves, which control the flow of water or other fluids in pipelines. These boxes are usually designed as deep metal frames with a lid fixed flush with the ground surface, allowing easy access to underground fittings like valves or hydrants.

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 to ensure Quality :**

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 to ensure consumer safety:**

**Mass** ( Minimum mass of surface box shall be 33kg- This weight ensures that the box is robust enough to withstand heavy loads, such as traffic and environmental pressures, without being easily displaced or damaged),

**Protective coating** (To prevent rust and corrosion, ensuring long-term reliability.

➤ 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/>.**