

Indian Standard IS 884 : 1984 – Your Guide to Safe and Effective First Aid Hose – Reel for Fire Fighting

The importance of quality of **Fire Fighting Hose Reel** is felt in the event of any fire incidence. Hose reels are an indispensable part of any firefighting equipment which normally consist of hub, two sides, swivel joint, pipe with fitting, wall bracket, hose reel, nozzle with shut off arrangement and stop valve.

The hose reels are generally made in two types, i) Swinging wall mounting type, and ii) Horizontal type used in fire engines. The standard specifies dimensional requirements for both types of hose reels. The hose reels should be **flexible** and should be able to **withstand the high pressure** of fluid flowing through it during the fire fighting operation. Any substandard hose reel may give way during the operation leading to failure of the entire fire fighting process.

IS 884 : 1984 specifies the materials for various components of first aid hose reels for fire fighting, such as **hub, sides, wall bracket, swivel joint, hose reel tubing, nozzle with branch pipe and coupling, stop valve and pipe with fitting** which should conform to related Indian Standards.

Various tests required to ascertain the suitability of hose reels for their intended use have been specified in the IS 884 : 1984. Some of the important tests detailed in the standard are, **resistance to leakage test, impact resistance test, load resistance test and range and water flow test**. To ensure the **traceability** of hose reels various **marking requirements** have also been included in **IS 884 : 1984**.

BIS mark on the hose reels ensures that they have been manufactured as per **IS 884 : 1984** and the hose reels would perform without any failure in normal operation.