



## **IS 1381 (Part 2): 2019 Laboratory Glassware – Boiling Flasks Part 2 Boiling Flasks with Conical Ground Joints**

**Laboratory** - Scale synthesis, chemical reactions and reflux set ups are often required boiling flasks with **interchangeable conical ground joints**.

These boiling flasks are made of **Borosilicate glass tubings grade 3.3** having thermal shock endurance (100 and 150) according to their nominal volumes. These tubings are free from visible defects and any **internal stress** impairing performance of the flasks.

These are three types of boiling flasks (conical, flat-bottom and round-bottom) with interchangeable conical ground joints with different overall heights and nominal overall heights with various **joint sizes** for each type of boiling flasks and these sizes are measured according to ISO 383, k6 series for two series (1 and 2) as detailed in IS 1381 (Part 2): 2019.

These boiling flasks with different capacities are having minimum specific dimension of **wall thickness, external diameter** (at the widest point of conical flasks) and conforming the **leakage test**.

The boiling flasks are Marked with **nominal volumes, sizes of conical ground joints, manufacturer name- mark** and **area with surface suitable for making with a pencil**.