

## **IS 17526 DOMESTIC STAINLESS STEEL VACUUM FLASK / BOTTLE — SPECIFICATION**

A vacuum flask/bottle is a vacuum insulated storage vessel that greatly lengthens the time over which its contents remain hotter or cooler than the surrounding. The gap between the two flasks/bottles is partially evacuated of air, creating a near-vacuum which significantly reduces heat transfer by conduction or convection.

The standard covers the minimum requirements of domestic vacuum insulated stainless **steel** flask/bottle for storage and maintaining the temperature of hot and cold liquids **used for drinking purpose**. The standard covers the any capacity of flask/bottle between 150 ml to 2500 ml as agreed to between manufacturer and purchaser.

The standard specifies the grade of steel materials for inner and outer vessel; stopper and auxiliary closure. The standard lays down the requirements for hot and cold retention property of the product and test for strap, if provided. The functional properties of the product is tested through Staining Test; Joint/ Leakage Test; impact resistance; pour test and tests for the functional requirements of strap.

The standard also mentions the instructions for the use of the product. The product is covered under the mandatory certification in provisions to BIS Act 2016.