

FLASH & FIRE POINT

BE 86

The Flash and Fire Point Apparatus is a laboratory instrument used in petroleum testing to determine the **flash point** and **fire point** of liquids, such as fuels, oils, lubricants, and bituminous materials. These properties are critical for assessing flammability, safety during storage, transportation, and handling, as well as compliance with industry standards.

FOLLOWING STANDARD

IS 1209, IS 1448: Part 21, IS 1448: Part 66, ASTM D92, ISO 2592, IP 36, AASHTO T48, ASTM D93, ISO 2719, IP 34

DISCRIPTION

Types of Apparatus

There are two primary types based on the test method: **Open Cup** (Cleveland) and **Closed Cup** (Pensky-Martens). Open-cup methods typically yield higher flash point values than closed-cup due to differences in vapor containment and exposure to air.

BE 86-01	Open Cup	Cleveland Open Cup (COC)	Petroleum products, bituminous materials, lubricants (flash > 79°C)	Up to 400°C
BE 86-01	Closed Cup	Pensky-Martens	Fuel oils, solvents, chemicals (higher precision for regulations)	Up to 405°C

Another two type latest model for flash & fire point.

BE 86-03	Semi Automatic Abel flash point
BE 86-04	Fully Automatic Cleveland Flash Point Apparatus

BE 86-01

BE 86-02



BE 86-03

BALAJI ENTERPRISES



BE 86-04

