

●● **HF58.05**

Cleveland Flash (Open) & Fire Point Apparatus (Electrically Heated)

IS : 1448 P:69 ASTM D-92 and IP36/63

For determining the flash & fire points of petroleum products except oils and products having an open cup flash below 175°F.

It has a Cleveland flash-cup in brass with an insulated handle, a metal heating plate with a circular opening covered by asbestos board, an electric heater with energy regulator, and a gas test jet assembly.

Suitable for operation on 220V, 50 Hz, Single Phase supply.



HF 58.05

●● **HF58.10.1**

Cleveland Apparatus Thermometer

Thermometer IP 28° C. Range -6° to +400°C for use with Cleveland Flash & Fire Point apparatus

●● **HF58.15**

Abel Flash Point Apparatus (Gas Heated)

IS : 101, 1448 (P:20)

For determining the closed cup flash point of petroleum products & mixtures and other liquids having flash point within 19°-49°C temperature range.

Oil cup consisting of a cylindrical vessel open at the top and fitted on the outside

with a flat circular flange projecting at right angles. Within the cup there is a gauge consisting of a piece of wire bent upwards and terminating in a point. The cup is provided with a close fitting cover.

●● **HF58.20**

Abel Flash Point Apparatus (Electrically Heated)

Same as HF58.15 but supplied with a hot plate and a regulator.

Suitable for operation on 220 V, 50 Hz, single phase supply.

●● **HF58.25**

Abel Flash Point Apparatus Thermometers

These are thermometers used in Abel Flash Point apparatus and are as follows

HF58.25.1 Oil Cup Thermometer(10° - 65°C)

HF58.25.2 Water Bath Thermometer (38° - 68°C)

●● **HF58.30**

Pensky Martens Flash Point (Closed) Tester (Gas Heated)

IS: 1448 (Part 1) 1209, IP 34/58, ASTM D-93

For determining flash point of petroleum products (Above 49°C flash point range)

It has a brass coil cup fitted with a heat resistance handle. The cup is provided with a lid which includes stirring device, a cover, shutter and a flame exposive device. The shutter is operated by a spring handle. A flexible shaft is provided in the hand operated stirrer.

A Cast Iron stove is fitted with a metal top plate mounted on an upright member (Gas Manifold) and it feeds a needle valve controlled burner.

●● **HF58.35**

Pensky Martens Flash Point (Closed) Tester (Electrically Operated)

Same as HF58.30 but supplied with a hot plate instead of the Gas Burner. The energy regulator controls the heating.

Suitable for operation on 220 V, 50 Hz, Single phase supply.



HF 58.35