

SUNSHINE INSTRUMENTS

PETROLEUM TESTING INSTRUMENTS FLASH & FIRE POINT APPARATUSES.



Manufacture of scientific instruments & equipment's

PENSKY MARTEN FLASH POINT APPARATUS

PENSKY MARTEN FLASH POINT APPARATUS AS PER I.P.34, ASTM D – 93 - 58 T and I.S. 1448 (part 1) 1970 (P- 21) 1203 – 1953).

INTRODUCTION

This method covers the determination of the flash point by pensky-martens of samples from 70°C - 300°C. Closed cup tester of fuel oils, lubricating oils, viscous materials, and suspension of solids. This method is not applicable to drying oils, solvent-type liquid waxes, or utak asphalt's.

This Pensky Marten Flash Point Apparatus is made as per IP 34. ASTM D-93 and IS 1448 (PART – 1) And IS 1209 -1978 method B. The apparatus consists of brass test cup with handle, removable cup cover with spring Operated rotating shutter having Oil Test Jet/Gas Test Jet Flame Device. Stirrer with flexible shaft. The assembly rests in air bath, which is covered, with dome shape metal top. The cup is fitted with insulated handle and locking arrangement near cup flange. The assembly is kept on round shaped Electric heater with Energy regulator temperature control. Suitable for operation on 220 Volts A.C. 50 Hz. It is supplied with I.P. Thermometer.



WITH OIL TEST JET or GAS TEST JET

OPTIONAL :-

- A) Variable Speed Stirrer Motor with Flexible Shaft mounted on mild steel rod with Base.
- B) Digital Temp. Indicator Unit having readability of 1°C & maximum temp. of 400°C with Stainless Steel PT -100 Thermocouple.
- C) Copper coiled continuously Variable Temperature Control Unit.

ABEL FLASH POINT APPARATUS

**AS PER FLASH POINT (CLOSED) BY MEANS OF THE ABLES FLASH POINT APPARATUS
IP 33 & IP 170 & ALSO IS 1448 (PART 1) 1985 (P: 20).**

INTRODUCTION:-

It is designed as per I.P. 33 and I.S. 1448 (part I) 1985. Suitable for determining the close up flash Point of petroleum and mixture according to IP 33 & IP 170 & also IS 1448 (Part 1) 1985 (P: 20). It is Suitable for oils whose flashes are below 70°C. It is supplied with oil cup, cover fitted with stirrer, water bath and stand. Electrically heated with Energy regulator control suitable to operate at 220 volt. 50 Cycles, A.C. Mains. Supplied with IP Thermometer.

WITH OIL TEST JET or GAS TEST JET



OPTIONAL:-

- A) Variable Speed Stirrer Motor with Flexible Shaft mounted on mild steel rod with Base.
- B) Digital Temp. Indicator Unit having readability of 0.1⁰C & maximum temp. of 200⁰C with Stainless Steel PT -100Thermocouple.
- C) Copper coiled continuously Variable Temperature Control Unit.

CLEAVLAND FLASH POINT (OPEN) AND FIRE POINT APPARATUS.

AS PER IP 36 / 57, IS 1448 (P: 69) 1969 AND ASTM – D – 92- 67.

INTRODUCTION:-

The apparatus is used for determination of flash point & fire point of petroleum products except fuel oil with open flash 80° C as per specification IP 36 / 57, IS 1448 (P: 69) 1969 and ASTM – D – 92- 67. Supplied with IP Thermometer.

The apparatus consists of a cup heating plate to specific dimensions thermometer clips and test flame attachments with swivel joint for passing over liquid surface in the prescribed manner, heater is controlled by means of energy regulator / suitable for operation on 220 volts 50 Cycles, A.C. Mains.



WITH OIL TEST JET or GAS TEST JET

OPTIONAL:-

- a) Variable Speed Stirrer Motor with Flexible Shaft mounted on mild steel rod with Base.
- b) Digital Temp. Indicator Unit having readability of 0.1°C & maximum temp. of 200°C with Stainless Steel PT -100 Thermocouple.
- C) Copper coiled continuously Variable Temperature Control Unit.

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