

## APACO Flash and Fire Points by Cleveland Open Cup Automatic

**Brand:APACO**

**Model:FPA 300**

**Made in: IRAN**

### Purpose:

The flash point is one measure of the tendency of the test specimen to form a flammable mixture with air under controlled laboratory conditions. It is only one of a number of properties that should be considered in assessing the overall flammability hazard of a material.

Flash point is used in shipping and safety regulations to define flammable and combustible materials. Consult the particular regulation involved for precise definitions of these classifications.

Flash point can indicate the possible presence of highly volatile and flammable materials in a relatively nonvolatile or nonflammable material. For example, an abnormally low flash point on a test specimen of engine oil can indicate gasoline contamination.

This test method describes the determination of the flash point and fire point of petroleum products by a manual Cleveland open cup apparatus or an automated Cleveland open cup apparatus.

**NOTE 1: The precisions for fire point were not determined in the current interlaboratory program. Fire point is a parameter that is not commonly specified, although in some cases, knowledge of this flammability temperature may be desired.**

This test method is applicable to all petroleum products with flash points above 79 °C (175 °F) and below 400 °C (752 °F) except fuel oils.

**NOTE 2: This test method may occasionally be specified for the determination of the fire point of a fuel oil. For the determination of the flash points of fuel oils, use Test Method D93. Test Method D93 should also be used when it is desired to determine the possible presence of small but significant concentrations of lower flash point substances that may escape detection by Test Method D92. Test Method D1310 can be employed if the flash point is known to be below 79 °C (175 °F).**



<b>Related Test Methods</b>	ASTM D92,
<b>Measuring Range</b>	Ambient to 400°C
<b>Temperature Sensor</b>	PT-100 in stainless steel sheath
<b>Flash Detector</b>	Double ionization rings
<b>Ignition Source</b>	Gas ignition with automatic lighting
<b>Power Consumption</b>	AC 220 to 240 V 1,300 VA (max) 50 / 60Hz