

Flash Point by Pensky-Martens Closed Cup Tester

test method

For flash point determinations of fuels, lubricating oils, liquids containing suspended solids and liquids that tend to form a surface film during testing.

pensky-martens closed cup flash tester

- Conforms to ASTM D93 and related specifications
- Choice of electric or gas heating

Determines flash points of a wide range of products by a closed cup method with two option speed stirring of the sample. Extensively used in shipping and safety regulations for detection of contamination by volatile and flammable materials in fuel oils and lubricating oils, and for characterization of hazardous waste samples. Smooth operating cover mechanism slides shutter open and applies test flame at the turn of a knob. Cover fits over brass test cup and includes pilot flame, test flame reference bead, built-in stirrer and plated brass thermometer ferrule.

Electrically heated model is equipped with a 1000W nickel-chromium heater with stepless variable control for accurate, repeatable temperature rate of rise settings per specifications. Heater unit is enclosed in a stainless steel housing with cooling vents. Includes line cord receptacle and switch for accessory slow speed stirrer.

Gas heated model has a built-in nickel plated brass natural gas burner, or can be supplied with an artificial gas burner or liquid propane burner (specify when ordering). Both models are mounted on a sturdy cast iron base.

ordering information

catalog no.	description	qty
K16203	Electrically Heated Model, 115V 60Hz	
K16273	Electrically Heated Model, 220-240V 50/60Hz	
K16000	Gas Heated Model	
accessories		
K16225	Stirrer Motor, 115V 60Hz Slow speed gear motor rotates stirrer of Pensky-Martens Tester at 115rpm for Procedure A and at 250rpm for Procedure B. Includes adjustable support bracket and mounting rod.	1
250-000-09F	ASTM 9F Thermometer Range: 20 to 230°F	
250-000-09C	ASTM 9C Thermometer Range: -5 to +110°C	1
250-000-10F	ASTM 10F Thermometer Range: 200 to 700°F	
250-000-10C	ASTM 10C Thermometer Range: 90 to 370°C	1
K16010	Cover Assembly Complete assembly. Includes shutter, flame exposure device, stirrer and thermometer ferrule.	
K16020	Brass Test Cup With heat resistant handle.	
K16020-NI	Nickel Plated Test Cup With heat resistant handle	



K16203 Pensky-Martens Flash Tester with
K16225 Accessory Stirrer Motor (Sold Separately)

specifications

Conforms to the specifications of:
ASTM D93; AASHTO T73-811; IP 34; ISO 2719; DIN 51758; FTM 791-1102; NF M 07-019

Included Accessories
Brass Test Cup with Handle
Thermometer Holder
Cover Assembly
Specifications

Electrical Requirements
115V 60Hz, Single Phase, 6.5A
220-240V 50/60Hz, Single Phase, 3.4A

Dimensions l x w x h, in.(cm)
9.5 x 8 x 22.5 (24 x 20 x 57)
with optional stirrer motor installed
Net Weight:

K16000: 21 lbs (9.5kg)
K16203/K16273: 24 lbs (10.9kg)

Shipping Information
Shipping Weight: 30 lbs (13.6kg)
Dimensions: 3.1 Cu. ft.



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