

FLASH POINT

PENSKY-MARTENS

ASTM D93 E502 IP 34 EN 22719 ISO 15267 ISO 2719 DIN 51758 FLASH POINT BY PENSKY-MARTENS CLOSED CUP TESTER

This test method covers the determination of the flash point of petroleum products in the temperature range from 40 to 360°C by a manual Pensky-Martens closed-cup apparatus or an automated Pensky-Martens closed-cup apparatus, and the determination of the flash point of biodiesel in the temperature range of 60 to 190°C by an automated Pensky-Martens closed cup apparatus.

Procedure A is applicable to distillate fuels (diesel, biodiesel blends, kerosine, heating oil, turbine fuels), new and in-use lubricating oils, and other homogeneous petroleum liquids not included in the scope of Procedure B or Procedure C.

Procedure B is applicable to residual fuel oils, cutback residual, used lubricating oils, mixtures of petroleum liquids with solids, petroleum liquids that tend to form a surface film under test conditions, or are petroleum liquids of such kinematic viscosity that they are not uniformly heated under the stirring and heating conditions of Procedure A.

Procedure C is applicable to biodiesel (B100). Since a flash point of residual alcohol in biodiesel is difficult to observe by manual flash point techniques, automated apparatus with electronic flash point detection have been found suitable

Electrically heated by electronic regulator, mounted on a case painted with anti-acid epoxidic products. Calibrated brass test cup, cover with gas or electric ignition device allowing to ignite the testing sample by a manual trip-opening. Motor stirrer for Procedure "A" and "B", air bath and cooling fan

Technical specifications:

- Temperature: from 40 to 360°C (104 +680°F)
- Power supply: 230V ±10% 50Hz
- Power: 700W
- Dimensions: 40x33x52 cm
- Weight: 11 kg.

750/E PENSKY-MARTENS

With gas ignition

750/E/IE PENSKY-MARTENS

With electric ignition

ACCESSORIES ON REQUEST

10-0748	GAS CYLINDER 2 kg. (for 750/E) Empty
10-0749	GAS REDUCER 30 mbar (for 750/E)
10-0747	GAS TUBE, L=5 m (for 750/E)
10-0751	STAINLESS STEEL TEST CUP
T-AS9C	THERMOMETER ASTM 9C IP 15C
T-AS10C	THERMOMETER ASTM 10C IP 16C
T-AS88C	THERMOMETER ASTM 88C IP 101C

CONSUMABLES x 2 YEARS

15-CAN/IE	ELECTRIC IGNITION x4
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SPARE PARTS

15-0750/S	TUBE, L=3 m
15-0751	BRASS TEST CUP
15-0752	COVER WITH MOVEMENT
15-0753/CT	THERMOMETER COLLAR
15-0753/FM	STIRRER FLEXIBLE DRIVE
15-0754/I	3-WAY SWITCH
15-0755	GAS IGNITION
17-0003	TRASFORMER (for 750/E)
17-0010	TRASFORMER (for 750/E/IE)
15-0756	COOLING FAN
11-0750	HEATER
15-0004	BIPOLAR GREEN SWITCH
15-0005	BIPOLAR YELLOW SWITCH
15-0110	ELECTRONIC REGULATOR
12-0750/MOT	GEARED MOTOR



750/E

2014

FLASH POINT

Electrically heated by electronic regulator, mounted on a case painted with anti-acid epoxidic products. Calibrated brass test cup, cover with gas or electric ignition device allowing to ignite the testing sample by a manual trip-opening. Motor stirrer for Procedure "A" and "B", digital thermometer with glass PT100A probe, air bath and cooling fan

Technical specifications:

- Temperature: from 40 to 360°C (104 +680°F)
- Power supply: 230V ±10% 50Hz
- Power: 700W
- Dimensions: 40x33x52 cm
- Weight: 11 kg.

750/BIS **DIGITAL PENSKY-MARTENS**

With gas ignition

750/BIS/IE **DIGITAL PENSKY-MARTENS**

With electrical ignition

ACCESSORIES ON REQUEST

10-0748	GAS CYLINDER 2 kg (for 750/BIS) Empty
10-0749	GAS REDUCER 30 mbar (for 750/BIS)
10-0747	GAS TUBE, L=5 m (for 750/BIS)
10-0751	STAINLESS STEEL TEST CUP

CONSUMABLES x 2 YEARS

15-CAN/IE	ELECTRIC IGNITOR x4
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SPARE PARTS

15-0750/S	TUBE L=3 m
15-0751	BRASS TEST CUP
15-0752	COVER WITH MOVEMENT
15-0753/CS	PROBE COLLAR
15-0753/FM	STIRRER FLEXIBLE DRIVE
15-0754/I	3-WAY SWITCH
15-0755	GAS IGNITION
17-0003	TRASFORMER (for 750/BIS)
17-0010	TRASFORMER (for 750/BIS/IE)
15-0756	FAN
11-0750	HEATER
15-0004	BIPOLAR GREEN SWITCH
15-0005	BIPOLAR YELLOW SWITCH
15-0110	ELECTRONIC REGULATOR
16-0005	DIGITAL THERMOMETER
14-0007	GLASS PT100A PROBE
12-0750/BIS/MOT	GEARED MOTOR



FLASH POINT

Analyzer capable to perform ASTM D93 test standard including all test procedures, custom test feature that permits the user to perform its own test with its own test parameters such as start temperature, end temperature, rise rate stirring speed etc. The analyzer has also many safety features such as fire hazard detection with test shutdown and warning, ignition system control and many more.

The analyzer has included test profiling with the capability to add, edit, use and delete any test profile, included also the "unknown flash" mode with user defined test temperature range.

Various sample types support including CRM with single or multiple test feature capable to perform special test with repeatability and tolerance.

The analyzer is equipped with a high precision made in glass temperature sensor, fire hazard and ignition sensor, USB 2.0 and ethernet socket with remote control feature, 7" touch screen LCD, high performance CPU.

Over 500.000 guarantee test results memory, long life electric igniter.

Technical specifications:

- Temperature: from 40 to 360°C (104 to 680°F)
- Power supply: 230V ±10% 50Hz
- Power: 800W
- Dimensions: 33x46x57 cm
- Weight: 26 kg

750/SEM PENSKY-MARTENS SEMI-AUTOMATIC

Without automatic flash point sensor and atmospheric pressure sensor

750/AUT PENSKY-MARTENS AUTOMATIC

With high response and accuracy flash detector and atmospheric pressure sensor with ±0.1 Kpa precision.

ACCESSORIES ON REQUEST

10-0748	GAS CYLINDER 2 kg Empty
10-0749	GAS REDUCER 30 mbar
10-0747	GAS TUBE, L=5 m
10-0751	STAINLESS STEEL TEST CUP
14-0007/C	GLASS PT100 PROBE CERTIFIED

CONSUMABLES x 2 YEARS

15-CAN/AUT	ELECTRIC IGNITOR x4
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SPARE PARTS

15-0750/S	TUBE, L=3 m
15-0751	BRASS TEST CUP
15-0752/AUT	COVER WITH MOVEMENT
15-0753/CS	PROBE COLLAR
15-0753/FA	STIRRER FLEXIBLE DRIVE
15-0755	GAS IGNITION
17-0750	TRANSFORMER
15-0756	FAN
11-0750	HEATER
15-0004	BIPOLAR GREEN SWITCH
14-0750/AUT/ION	THERMOCOUPLE (for 750/AUT)
14-0007	GLASS PT100A PROBE
12-0750/BIS/MOT	GEARED MOTOR



750/AUT

2013