

ASTM D 93 - EN 22719 - IP 34 - ISO 2719 - NF EN 22719 - NF M07019 -
DIN 51758 - GBT 261

SCOPE:

These test methods cover the determination of the flash point of petroleum products in the temperature range from 40 to 360°C by manual or automated Pensky-Martens closed cup apparatus.

PRODUCTS:

Method A: homogeneous petroleum liquids, fuels (diesel, kerosene, heating oil, turbine fuels) and new lubricant oils.

Method B: residual fuel oils, cut back residua, used lubricating oils, mixture of petroleum liquids with solids
°C except fuels

**HALF AUTOMATED MODEL Pensky-Martens flash tester
- NPM 221 –
- REF 942619 -**

Method A and B - by QUICK SWITCH

- ✓ Electrically heated
- ✓ Automatic stirring with rotating speed according to the specified method
- ✓ Temperature range from ambient to 360°C
- ✓ Temperature measurement by Pt 100 Probe
- ✓ Automatic heating slope
- ✓ Automatic stirring
- ✓ Cooling by compressed air
- ✓ Gas ignition
- ✓ Temperature safety by thermostat
- ✓ Heating power: 1200 W -Delivered with forged brass cup, cover, , Pt 100 probe and stirring flexible

For use on AC 230V, 50Hz, 6 A (350x250x380 mm) ± 10 kg

**ECONOMICAL VERSIONS NPM 220 A or NPM 220 B**

REF 942617 same description as p/n 942619 but for method A

REF 942618 same description as p/n 942619 but for method B

SPARE PARTS

REF 941609 Gas tubing (1 m) - 2/4 mm dia.

REF 941621 Heating cartridge 230 V (400 W)

REF 9411930 Cup for NPM 120 & 121, 220 & 221

REF 9411931 Cover with opening mechanism for NPM 120 & 121, 220 & 221

REF 9417908 Pt 100 probe (70x3 mm)



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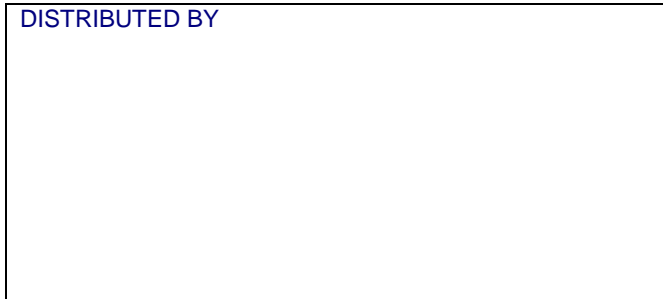
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MANUAL MODELS PENSKY-MARTENS FLASH TESTER

- NPM 121 –
- REF 942616 -

Method A and B - by QUICK SWITCH

- ✓ Electrically heated
- ✓ Automatic stirring with rotating speed according to the specified method
- ✓ Temperature range from ambient to 360°C
- ✓ Temperature measurement by thermometer
- ✓ Manual heating slope
- ✓ Cooling by compressed air
- ✓ Gas ignition
- ✓ Temperature safety by thermostat
- ✓ Heating power : 1200 W

Delivered with forged brass cup, cover, ASTM thermometers

9C & 10C and stirring flexible

For use on AC 230V, 50Hz, 6 A (350x250x380 mm) ± 10 kg

ECONOMICAL VERSIONS NPM 120 A or NPM 120 B

REF 942614 same description as p/n 942616 for method A

REF 942615 same description as p/n 942616 for method B

SPARE PARTS

REF 941609 Gas tubing (1 m) - 2/4 mm dia.

REF 941621 Heating cartridge 230 V (400 W)

REF 9411930 Cup for NPM 120 & 121, 220 & 221

REF 9411931 Cover with opening mechanism for NPM 120 & 121, 220 & 221

REF 9417908 Pt 100 probe (70x3 mm)

REF 11496 ASTM Thermometer 9C

REF 11497 ASTM Thermometer 10C



How to chose The most suitable Pensky Martens NPM series?

Summary of the main specifications

	NPM 120	NPM 121	NPM 220	NPM 221	NPM 440
Temperature Range	Ambient to 360°C	Ambient to 360°C	Ambient to 360°C	Ambient to 360°C	Ambient to 400°C
Temperature measurement	By thermometer	By thermometer	Digital - PT 100	Digital - PT 100	PT 100
Methods available	A or B	A & B	A or B	A & B	A, B and others
Heating slope	Manual	Manual	Automatic	Automatic	Automatic
Stirring	Automatic	Automatic	Automatic	Automatic	Automatic
Detection	Visual	Visual	Visual	Visual	Automatic
Cooling	By compressed air	By compressed air	By compressed air	By compressed air	Fan or water
Ignition	Gas	Gas	Gas	Gas	Gas & electricity
Temperature safety	Thermostat	Thermostat	Thermostat	Thermostat	Thermostat + Sofw are
Dimensions in mm	350x250x380	350x250x380	350x250x380	350x250x380	320x580x360
weight in Kg	10	10	10	10	17
Reference	942614 (A) 941615 (B)	942616	941617 (A) 941618 (B)	942619	40300

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