

ASTM D 3828 - ISO 3679 - IP 303

**SCOPE:**

This test method covers the determination of the closed cup flash point in the temperature range from -30 up to 300°C.

**PRODUCTS:**

Paint, varnish, laque, solvent, cosmetics, perfume, biodiesel

**NEW "GO / NO GO" FLASH POINT IN CLOSED CUP - MODEL NPV 310-  
-HALF AUTOMATED VERSION -  
- REF 942691 -**

**MAIN CHARACTERISTICS**

- ✓ Temperature Range: from -30°C to 300°C
- ✓ Automatic slope 6°C per min
- ✓ Digital display
- ✓ PID regulator
- ✓ Sample stabilisation 60 or 120 sec digital control
- ✓ Automatic flame presentation - Auto flash point detection
- ✓ Temperature measurement by Pt probe with resolution at 1/10°C
- ✓ Programmable high temperature safety
- ✓ Flash point detection by thermocouple

Optional external cooling system for low temperature

**2 méthodes at choice**

- Standards equilibrium method
- Method with controlled heating rate of 5°C/min and flame presentation until flash point detection.

**NECESSARY ACCESSORIES**

**REF 21604** Pack of 100 loading syringes 2 ml

**REF 25826** Pack of 100 loading syringes 5 ml

**OPTIONS**

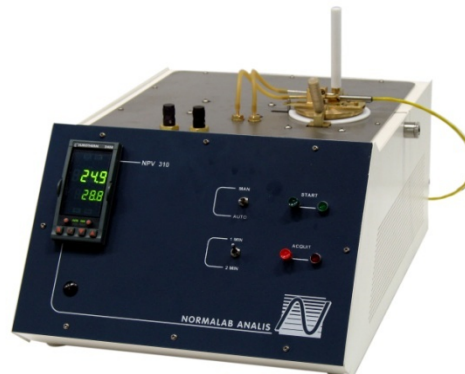
**REF 23203** Small circulating cryostat for operating in higher room temperatures - Model TLC 30 - 5 litres (-30 to +60°C/±.1)

**REF 22001** Insulated tubing (1 m) for connection between tester and cryostat

**REF 26075** Mercury thermometer for calibration purposes range from -30 to +110°C, graduated in 0.5°C ±0.2°C

**REF 40483** Gas cartridge case and 1x 100 ml gas cartridge

**REF 40484** 100 ml Gas cartridge for optional case



**SCOPE OF DELIVERY**

NPV 310 Ready for use - Loading syringes to be ordered separately

For use on AC 230V, 50/60 Hz - 5A - 320x260x460 mm (± 12 kg) / 115V on request

**MAIN MODELS**

**REF 941691** NPV 310 with gas ignition

**REF 941692** NPV 310 Gas and electric ignitions

**NORMALAB FRANCE SAS**

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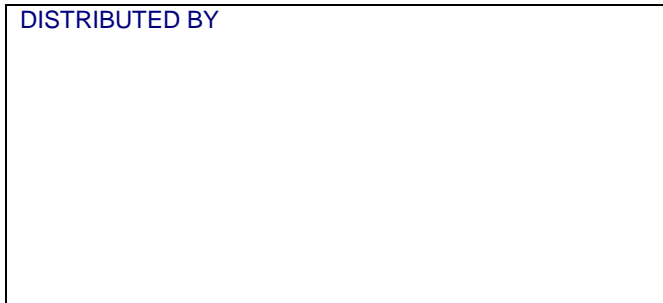
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ASTM D 3828 - ISO 3679 - IP 303

**NEW "GO / NO GO" FLASH POINT IN CLOSED CUP - MODEL NPV 220 -  
- EQUILIBRIUM METHOD -  
HALF AUTOMATED VERSION  
-REF 942690 -**

**MAIN CHARACTERISTICS**

- ✓ Temperature Range: from -30°C to 300°C
- ✓ Digital display
- ✓ PID regulator
- ✓ Sample stabilisation 60 or 120 sec digital control
- ✓ Automatic flame presentation - Auto flash point detection
- ✓ Temperature measurement by Pt probe with resolution at 1/10°C
- ✓ Programmable high temperature safety
- ✓ Detection by ionization ring
- ✓ Gas ignition
- ✓ Optional external cooling system for low temperature flash point



**NECESSARY ACCESSORIES**

**REF 21604** Pack of 100 loading syringes 2 ml

**REF 25826** Pack of 100 loading syringes 5 ml

**SPARE PARTS**

**REF 41401** Detector lead

**REF 90-010072** Heating cartridge, 250 W

**OPTIONAL ACCESSORIES**

**REF 23203** Small circulating cryostat for operating below room temperatures - Model TLC 30 - 5 litres (-30 to +60°C/±.1)

**REF 22001** Insulated tubing (1 m) for connection between tester and cryostat

**REF 26075** Mercury thermometer for calibration purposes range from -30 to +110°C, graduated in 0.5°C ±0.2°C

**REF 40483** Gas cartridge case and 1x 100 ml gas cartridge

**REF 40484** 100 ml Gas cartridge for optional case

**SCOPE OF DELIVERY**

NPV 220 Ready for use -

Loading syringes to be ordered separately

For use on AC 230V, 50/60 Hz - 5A - 240x260x350 mm (± 7 kg) / 115V on request

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