

FLASH POINT

SMALL SCALE FLASH POINT

ASTM D3278 IP 534 FLASH POINT OF LIQUIDS BY SMALL SCALE CLOSED-CUP APPARATUS

These test methods cover procedures for determining whether a material does or does not flash at a specified temperature or for determining the lowest finite temperature at which a material does flash when using a small scale closedcup apparatus. The test methods are applicable to paints, enamels, lacquers, varnishes, and related products having a flash point between 0 and 110°C (32 and 230°F) and viscosity lower than 150 St at 25°C (77°F).

ASTM D3828 FLASH POINT BY SMALL SCALE CLOSED CUP TESTER

These test methods cover procedures for flash point tests, within the range of -30 to 300°C, of petroleum products and biodiesel/liquid fuels, using a small scale closed cup tester. The procedures may be used to determine, whether a product will or will not flash at a specified temperature (flash/no flash Method A) or the flash point of a sample (Method B). When used in conjunction with an electronic thermal flash detector, these test methods are also suitable for flash point tests on biodiesels such as fatty acid methyl esters (FAME).

ASTM D7236 FLASH POINT BY SMALL SCALE CLOSED CUP TESTER (RAMP METHOD)

This test method covers the determination of the flash point of aviation turbine fuel, diesel fuel, kerosine and related products in the temperature range of 40 to 135°C by a small scale closed cup apparatus.

ASTM E502 SELECTION AND USE OF ASTM STANDARDS FOR THE DETERMINATION OF FLASH POINT OF CHEMICALS BY CLOSED CUP METHODS

IP 303 (obs)

IP 523 ISO 3679 DETERMINATION OF FLASH POINT - RAPID EQUILIBRIUM CLOSED CUP METHOD

This International Standard specifies a method for the determination of the closed cup flash point of paints (including water-borne paints), varnishes, paint binders, adhesives, solvents, petroleum, and related products having closed cup flash points within the range of -30 °C to 300 °C

IP 524 ISO 3680 DETERMINATION OF FLASH/NO FLASH - RAPID EQUILIBRIUM CLOSED CUP METHOD

This International Standard specifies a method for the determination of the ability of paints (including waterborne paints), varnishes, paint binders, adhesives, solvents and petroleum and related products, when maintained at a selected test temperature within the range of -30 °C to 300 °C, and under the conditions of test, to yield sufficient flammable vapour at this temperature to cause ignition on the application of a test flame in a standard manner.

Electrically heated by electronic regulator, mounted on a case painted with anti-acid epoxidic products. Aluminum block for 2 and 4 ml samples, cover with manual opening system, gas ignition with pilot flame, on/off pilot lamp.

Technical specifications:

- Temperature: from ambient to 300°C (572°F)
- Power supply: 220V 50Hz
- Power: 600W

ACCESSORIES / OPTIONAL

10-0748	GAS CYLINDER 2 kg Empty
10-0749	GAS REDUCER 30 mbar
10-0747	GAS TUBE, L=5 m
T-IP91C	THERMOMETER IP 91C
T-IP98C	THERMOMETER IP 98C

780 SMALL-SCALE FLASH POINT APPARATUS



780

2013

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FLASH POINT

ABEL

IP 170 ISO 13736 DETERMINATION OF FLASH POINT - ABEL CLOSED CUP METHOD

For determination of the closed-cup flash point of combustible liquids having flash point between -30 and 70°C (-22 and 158°F)

Electrically heated by electronic regulator, mounted on a case painted with anti-acid epoxidic products. Calibrated brass crucible, cover with gas or electrical ignition device allowing to ignite the testing sample by a manual glide-opening. Motor stirrer, air bath and water bath are made in chromium-plated copper, internal cooling coil with external connection for possible cooling bath

Technical specifications:

- Temperature: from ambient to 70°C (158°F) (up to -30°C (-22°F) with external unit)
- Power supply: 220V 50Hz
- Power: 300W
- Dimensions: 26x32x37 cm
- Weight: 7 kg

820 ABEL

With gas ignition

820/IE ABEL

With electrical ignition

ACCESSORIES / OPTIONAL

10-0748	GAS CYLINDER 2 kg VEmpty
10-0749	GAS REDUCER 30 mbar
10-0747	GAS TUBE, L=5 m
T-IP74C	THERMOMETER IP 74C
T-IP75C	THERMOMETER IP 75C

CONSUMABLES x 2 YEARS

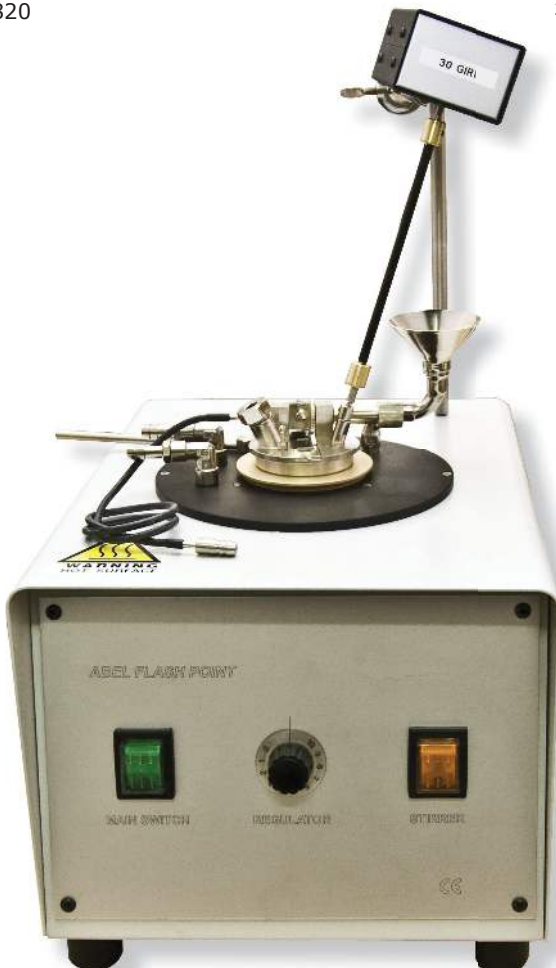
15-0754/AB	ELECTRIC IGNITOR x2
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SPARE PARTS

15-0750/S	TUBE, L=3 M.
15-0821	BRASS TEST CUP
15-0822	COVER WITH MOVEMENT
15-0828/CT	THERMOMETER COLLAR
15-0824/FM	STIRRER FLEXIBLE DRIVE
11-0820	HEATER
15-0755	GAS IGNITION
17-0003	TRASFORMER (for 820)
17-0010	TRASFORMER (for 820/IE)
15-0004	BIPOLAR GREEN SWITCH
15-0005	BIPOLAR YELLOW SWITCH
15-0113	ELECTRONIC REGULATOR
12-0013	MOTOR STIRRER 30 RPM 24V

820

2008



FLASH POINT

Mounted on a case painted with anti-acid epoxidic products. Calibrated brass crucible, cover with gas and electrical ignition device allowing to ignite the testing sample by a manual glide-opening. Motor stirrer, air bath and water bath are made in chromium-plated copper, internal cooling coil with external connection for possible cooling bath

Apparatus with automatic temperature ramp, flash sensor, glass PT100, electrical and gas ignition system, ramp precision of 0.1°C, Real time operating system with S.D.M. software application, network connection and remote control of the instrument, 2xUSB host+client ports, serial RS232 port, USB, ethernet and serial printer with PCL support, Custom method, ramp and setpoint test procedure, TFT touch screen display with 800x480 screen resolution. Dual scale with °C and °F of choice, Tested with certified product. Friendly and easy to use application. Smart sense of flash point using vapor charge value. Safe use and diagnostics of the components and sensors. Over 500.000 guarantee test results memory, long life electric igniter.

The automatic version, 820/AUT model, is supplied with a automatic sensor for flash point and atmospheric pressure sensor with ±0.1 Kpa precision

Technical specifications:

- Temperature: from ambient to 70°C (158°F) (up to -30°C (-22°F) with external unit)
- Power supply: 220V 50Hz
- Power: 300W
- Dimensions: 33X46X57 cm
- Weight: 28 kg

820/SEM ABEL SEMI-AUTOMATIC

Without automatic flash point sensor and atmospheric pressure sensor

820/AUT ABEL AUTOMATIC

With automatic flash point sensor and atmospheric pressure sensor

ACCESSORIES / OPTIONAL

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

CONSUMABLES x 2 YEARS

15-0754/AB	ELECTRIC IGNITOR x2
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SPARE PARTS

15-0750/S	TUBE L=3 m
15-0821	BRASS TES CUP
15-0822/AUT	COVER WITH MOVEMENT
15-0828/CS	PROBE COLLAR (only for 820/SEM)
15-0824/FA	STIRRER FLEXIBLE DRIVE
11-0820	HEATER
15-0755	GAS IGNITION
15-0757/C	IONIZATION CABLE
15-0757/D	IONIZATION DETECTION
15-0004	BIPOLAR GREEN SWITCH
14-0007	GLASS PT100 PROBE
12-0013	MOTOR STIRRER 30 RPM 24V

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