

Flash- and Fire-Point with Open Cup - Cleveland Method (manual)

ASTM D 92, ISO 2592, DIN 51376 (obs.), EN 22592 (obs.), FTM 791-1103, IP 36, JIS K2265-4, NF T60-118 (obs.), BS 4689 (obs.), Superpave®

Product group(s): Bitumen, Flash Point

User group(s): Bitumen, Engine Oil, Hydraulic Fluid, Insulating Oil, Jet Lube, Lube Oil, Power Plant, Regulatory Authorities, Turbine Oil

Scope: This flash-point and fire-point test method measures the tendency of a test specimen to form a flammable mixture with air.

Suitable for viscous materials having a flash-point between +79°C (175°F) and +400°C (752°F) except fuel oils.

Used to define the hazards of flammable and combustible materials used in shipping and safety regulations.



Flash- and Fire-Point Cleveland Test Equipment

to be composed of:

- Manual Flash- & Fire-Point Tester, Cleveland Method
- Pre-Regulating Valve

Technical Data

<u>Temperature range:</u>	+79 to +400 °C (+175 to +752 °F)
<u>Ignition:</u>	gas
<u>Dimensions:</u>	27 x 18 x 37 cm (W x D x H)
<u>Weight:</u>	5.5 kg

Main Unit

12-0701	<p>Manual Flash- & Fire-Point Tester, Cleveland Method Petroleum Products (except fuel oil): ASTM D 92 - JIS K2265-4 - AASHTO T48 - FTM 791-1103 - IP 36 (BS 4689) - ISO 2592 (EN 22 592, DIN 51 376, NF T60-118)</p> <p><u>Binder, Petroleum Products:</u> Superpave® (AASHTO T48, ASTM D 92)</p> <p><u>Consisting of:</u> special tripod stand, heating collar, insulating board, gas ignition device with control valve, hose connection, universal gas burner, thermometer holder</p> <p><u>Supplied with:</u> 1 cup with heat resistant handle 1 thermometer ASTM 11C/IP 28C</p>
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Options & Accessories

12-0710	Draft Deflector - CLA
12-0629	Pre-Regulating Valve for gas supply with hose adapter, suitable for all types of burning gases
50-9111	Reference Liquid - Flash-Point - Cleveland ASTM D 92 Certified Value: +265 °C Content: 250 ml - Lubricant

Spare Parts

12-0751	Thermometer ASTM 11C / IP 28C Range: -6 to +400 : 2 °C Length: 310 mm, Immersion: 25 mm, Ø 7 mm
12-0752	Thermometer ASTM 11C / IP 28C Range: -6 to +400 : 2 °C (officially certified)
12-0753	Thermometer ASTM 11F / IP 28F Range: +20 to +760 : 5 °F Length: 310 mm, Immersion: 25 mm, Ø 7 mm
12-0754	Thermometer ASTM 11F / IP 28F Range: +20 to +760 : 5 °F (officially certified)
11-0110	Universal Gas Burner for town gas (<800°C), butane, propane & natural gases (<1150°C)
12-0755	Heating Collar, made of brass
12-0756	Insulating Board with center hole, made of ceramics
12-2734	Ignition Device with control valve
12-5750	Standard Cup "CL" with heat resistant handle (up to 250°C), approx. 70 ml with filling mark, brass



Order Guideline

Minimum equipment:	1x 12-0701, 1x 12-0629
Spares (approx. 1 year):	Thermometer
Additional requirements:	Gas supply