

## Distillation Analysis of Road-Tar / Bitumen - ASTM Type

ASTM D 20, ASTM D 246 (obs.)

**Product group(s):** Bitumen

**User group(s):** Bitumen

**Scope:** Distillation devices according to these standards are used for determination of boiling characteristics, asphalt residue, total distillate and fractions of bituminous materials, tar products and creosote at specified distillation temperatures.

Suitable for the distillation of bituminous material, tar products and creosote.

A 100 g sample is distilled at a controlled rate from a 300 ml flask into tared receivers.

The masses of distillate fractions at a series of specified temperatures and of residue at the maximum specified temperature are determined.

- **Ready-to-Go Unit**



### Road-Tar Bitumen Distillation - ASTM-Type Test Equipment

More details are mentioned in the "Order Number" section

## Main Unit

<b>10-0203</b>	<b>Road-Tar Bitumen Distillation ASTM-Type</b> ASTM D 20 (ASTM D 246)
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Consisting of:  
 1 distillation flask (diameter 86 mm)  
 1 thermometer ASTM 8C (precision made)  
 1 stopper to hold thermometer  
 1 flask shield and two-part ceramic cover  
 1 ring support with wire gauze  
 2 support rods with clamps and base plate  
 1 adjustable universal gas burner  
 1 condenser tube (360 mm)  
 6 receivers  
 and connection material (adapter etc.)

## Spare Parts

<b>11-0155</b>	<b>Thermometer ASTM 8C / IP 6C</b> Range: -2 to +400 : 1 °C Length: 385 mm, Immersion: total, Ø 7 mm
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<b>11-0156</b>	<b>Thermometer ASTM 8C / IP 6C</b> Range: -2 to +400 : 1 °C (officially certified)
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<b>17-0047</b>	<b>Stopper, NBR-rubber (27/30 / bored Ø 6 mm)</b>
<b>10-1205</b>	<b>Flask Shield, stainless-steel</b> with ceramic insulation and mica windows
<b>10-0206</b>	<b>Distillation Flask, Ø 86 mm, short necked</b>
<b>10-0207</b>	<b>Condenser Tube (360 mm long)</b>
<b>10-0208</b>	<b>Insulating Cover made of ceramic, two-part, Ø 148</b>
<b>10-0178</b>	<b>Ring Support with wire gauze</b>
<b>10-0166</b>	<b>Receiver Erlenmeyer Flask, 100 ml (NS 19 mm)</b>
<b>11-0110</b>	<b>Universal Gas Burner</b> for town gas (<800°C), butane, propane & natural gases (<1150°C)

**Order Guideline**

Minimum equipment: 1x 10-0203  
 Spares (approx. 1 year): Thermometer, 10-0206, 10-0207, 10-0166  
 Additional requirements: Gas