

Distillation Analysis of Cut-Back Bitumen - DIN Type

DIN 52024 (obs.)

Product group(s): Bitumen

User group(s): Bitumen, Tar

Scope: This procedure measures the amount of the volatile constituents and the residue in in cut-back asphaltic products.

Suitable for the distillation of cut-back asphaltic (bituminous) products.

A 200 g sample is distilled at a controlled rate up to +360 °C (680°F) into tared receivers.
The masses of distillate fractions and of the residue are determined at a specified temperature.

- **Ready-to-go Unit**



Cut-Back Bitumen Distillation - DIN-Type Test Equipment

More details are mentioned in the "Order Number" section

Main Unit

10-0173	Cut-Back Bitumen Distillation DIN-Type (DIN 52 024)
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Consisting of:

- 1 distillation thermometer (precision made)
- 1 distillation flask (500 ml)
- 1 flask shield of stainless steel with windows and ceramic insulation
- 1 two-part ceramic cover
- 1 ring support
- 2 support rods with 3 boss heads, 1 clamp and 2 base plates
- 1 Universal gas burner
- 1 glass condenser tube (360 mm)
- 6 Erlenmeyer flask (100 ml)
- 1 base for 100 ml flask and connection material
(2 silicon stoppers (bored Ø 4 & 10 mm))

Spare Parts

10-0154	Thermometer DIN 12 779 Range: 0 to +360 : 1 °C
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10-0155	Thermometer DIN 12 779 Range: 0 to +360 : 1 °C (officially certified)
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10-0166	Receiver Erlenmeyer Flask, 100 ml (NS 19 mm)
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10-0175	Distillation Flask, 500 ml
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10-0176	Condenser Tube made of glass
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10-0177	Flask Shield of stainless steel with windows and ceramic insulation
10-0178	Ring Support with wire gauze
10-0208	Insulating Cover made of ceramic, two-part, Ø 148
11-0110	Universal Gas Burner for town gas (<800°C), butane, propane & natural gases (<1150°C)

Order Guideline

Minimum equipment:	1x 10-0173
Spares (approx. 1 year):	Thermometer, 10-0166, 10-0175, 10-0176
Additional requirements:	Gas