NDI BASIC

MANUAL ATMOSPHERIC
DISTILLATION OF PETROLEUM PRODUCTS

STANDARDS
ASTM D 86, D 850, D 1078, ISO 3405, IP 123, IP 195 and related methods.

SCOPE
This test method covers the atmospheric distillation of petroleum products using a laboratory batch distillation unit to determine quantitatively the boiling range characteristics of such products as natural, motor and aviation gasolines, aviation turbine fuels, special boiling point spirits, naphthas, white spirits, kerosines, gas oils and distillate fuel oils.

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SPECIFICATIONS

NDI Basic is a manual unit for atmospheric distillation of petroleum products. The device is delivered with glassware and necessary accessories to run ASTM D 86 test.

Key features

- Electric heater
- Temperature range: from ambient to 400°C
- The use of a cryostat is required for testing gasoline samples and maintain condenser temperature.
- Compressed air (2 bar max) can be used in order to cool down the heating compartment between 2 tests.

Connections

- Drain cock of the bath condenser
- 2 teats input/output of the cooling coil
- 1 pipe for arrival compressed air

Option cryostat (Ref 23206)

For temperatures below ambient, a cryostat of 7 to 10L working from -15 to 60°C is necessary.

ORDERING INFORMATION

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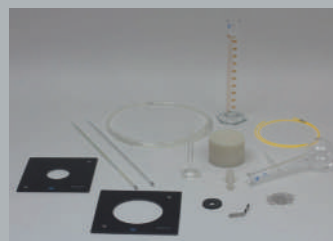**Scope of delivery:**

NDI Basic is delivered with :

- Graduated receiver 100 ml (PN 19425)
- Distillation flask 125 ml (PN 24019)
- Ceran board 50mm (PN 20348)
- Ceran board 100mm (PN 20349)
- Thermometer ASTM 7C (PN 11494) *
- Thermometer ASTM 8C (PN 11495) *
- Bag of pumice (PN 60514)
- Condenser cleaning cable (PN 40009)
- Graduated cylinder 5 ml (PN 12609EC)

* Without certificate, calibration on request

Site requirements:

- Power supply: 230 V - 50 Hz - 6A
- Dimension: (W) 380 x (D) 490 x (H) 510 mm
- Weight: 21 kg

Fluid: 10l of water/glycol 50/50 blending for the condensing bath.

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