

NDI CLASSIC

HALF-AUTOMATED 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.

NDI Classic is a half automated unit for atmospheric distillation of petroleum products. The device includes a digital condenser bath regulator for a more comfortable operation. The equipment is delivered with glassware and necessary accessories to run ASTM D 86 test for groups 3/4 (additional accessories are needed for groups 1/2).

TECHNICAL FEATURES

- Easy control of the condenser bath temperature with thermostat
- 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

SAFETY

- Overheating safety adjustable on the control head
- Float for low level detection
- Differential circuit breaker
- **Cryostat in option (Ref 23206):** For groups 1 and 2 analysis, a cryostat of 7 to 10L working from -15 to 60°C is necessary

SCOPE OF DELIVERY

942228

NDI Classic is delivered with :

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

* Without certificate, calibration on request
(options for groups 1 and 2 on request)

Site requirements:

- Power supply: 230 V - 50/60 Hz - 1500W
- Dimension: (W) 380 x (D) 490 x (H) 620 mm
- Weight: 23 kg

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

