



ADU 5

Automatic Distillation Unit

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ADU 5 is the ideal solution to automatically perform high-precision atmospheric distillation tests to characterize the distillation range of petrochemical products, aromatic hydrocarbons and other volatile organic liquids.

Benefits at a Glance

- Automatic heating optimization
- Excellent precision
- Innovative software
- Highest safety level
- Extended range of application
- Maintenance-free IR heater (5 years warranty)

Convenient Operation

- ADU 5 automatically recommends the best distillation conditions according to the selected program. It features an excellent heat control to guarantee an optimum standardized distillation rate, even for complicated mixtures.
- Thanks to the excellent temperature stability, an automatic correction of the results to standard pressure and perfect distillation rate control, ADU 5 guarantees highly accurate results to ensure outstanding repeatability and reproducibility.
- The software of ADU 5 has been fully adapted to your needs, making the handling as easy as possible. This new user interface is completely adjustable to your preferences.
- For operating in an impressively wide range of application, ADU 5 features cetane index determination, automatic dry point detection, calculation of the driveability index and an extended temperature range. It can also prepare residue samples for EN ISO 10370.

Customized User Flexibility

- Accessories for ASTM D86 group 0 and solvent distillation (optional)
- Calibrated Pt100 vapor temperature sensor (optional)
- Certified reference materials (optional)
- Cooling option for low-boiling solvents, e.g. methanol (optional)



Standard Methods

ASTM D86 (group 0 to 4), ASTM D850, ASTM D1078, ISO 3405, IP 123, IP 195

Technical Specifications

Configuration	ADU 5
Application range	Vapor temperature: up to 450 °C Condenser temperature: 0 °C to 80 °C Chamber temperature: 0 °C to 50 °C
Measuring technology	Pt100 vapor temperature sensor, accuracy of Pt100 probe: class A Volume detection by static light barrier system, accuracy: ±0.1 mL, resolution: 0.02 mL Powerful and long-living IR heating system
Safety	Overheat and overflow protection with automatic shut-off Automated fire-extinguishing system Password protection Low-level detection of cooling liquid
Interfaces	USB, LAN
Power supply	230 V, 50 Hz/60 Hz, 3700 W
Gas supply	N ₂ or CO ₂ (6 bar to 12 bar)
Dimensions	410 mm x 650 mm x 850 mm (W x D x H)
Weight	54 kg

Your distributor: