

PILODIST®

laboratory & process technology

**PETRODIST 350 CC fully automatic crude oil
distillation**



Fully automatic system with a new type of fraction collector as a replacement of PETRODIST 300 CC-F. The processor controlled system is designed according to

ASTM D-1160 but with automatic fraction collector for the determination of boiling ranges of crude oil products under vacuum. The system can be operated in strict accordance to the ASTM procedure with 1 single receiver or alternatively by using a new type of automatic fraction collector with 5 receivers.

Key features:

- operate in strict accordance with ASTM D1160 by using 1 single receiver
- or using a new type of automatic fraction collector with 5 receivers, 200 mL each **NEW!**
- fraction collector can be operated by volume or by preselected cut temperatures **NEW!**
- software kit to perform distillation similar ASTM D5236 with dynamic vacuum reduction procedure down to 0,1 Torr
- flask sizes available 500, 1000, 2000 mL
- tempered automatic discharge pump for easy drain of even viscous product into open fraction collector **NEW!**
- receivers can be closed with cap GL 45
- new PILODIST brand touch screen panel control **NEW!**
- fully automatic reporting and storage of results
- atmospheric distillation
- water removal (dehydration) process prior to distillation
- biodiesel distillation
- LIMS connectivity

The distillation volume is measured automatically in receivers, temperature controlled by an IR-heater. The yield is calculated in percentage to the charge quantity. Distillation report, final data and distillation curve are printed out.

Technical Data



Available flask sizes

500 mL



Flask charge

200 mL



Operating temperature

Up to 400° C (750° F)



Final cut temperature

up to 650° C AET



Max ambient temperature

25° C



Fraction collector

5 calibrated receivers, 200 mL each



Operating pressure

vacuum down to 0,1 Torr



Mains supply

208-250 V, 50 Hz (standard)

208-250V, 60 Hz (optional)