

PILODIST®

laboratory & process technology

PETRODIST® 200 S



Crude oil distillation system for semi automatic operation according to ASTM D-5236 (Standard Test Method for Distillation of heavy Hydrocarbon Mixtures, Vacuum Potstill Method).

The system is designed to continue the distillation with the residue of ASTM D-2892 distillation at reduced pressures ranging from 1 Torr down to 0,1 Torr

The cuts are taken automatically according to the pre-selected boiling temperature or when the receivers are filled up. The vacuum tight fraction collector contains 9 receivers, their volume is depending to the flask size.

The control of the flask heating ensues either isothermally or according to the temperature difference between heating bath and flask. Thus an operation according to distillation rate is possible.

Key features:

- microprocessor controlled, based on multifunctional serial bus system
- PC with windows based operation and evaluation software
- continuous monitoring of distillation process
- continuous report and data storage
- boil-up rate controlled by differential temperature,
- all distillation parameters can be exactly and reproducibly selected
- automatic receiver change by preselected cut temperatures
- cooling down process manually after each run
- precise vacuum control

Option

Stainless steel flask

Technical Data

Flask size:	1, 2, 4, 6, 10, 20 L
Flask charge:	between 30 and 60 % of flask volume
Receiver capacity:	9 , volume depending on flask size
Operation temperature:	up to 400° C (650 ° C AET)
Operation pressure:	vacuum down to 0.1 Torr
Max. ambient temperature:	25° - 30°C
Mains supply:	3 x 208 – 260 V, 50 Hz (60 Hz upon request)
Dimensions (w x h x d):	depending on flask volume

For more information consult your distributor
