

PETRODIST® 400 S



www.pilodist.de

Tel: ++ 49 (0) 2225 955910

Fax: ++ 49 (0) 2225 9559111

e-mail : info@pilodist.de

PILODIST GmbH
Eichelnkampstraße 2
D-53340 Meckenheim
Sitz: Bonn

Eingetragen AG Bonn HRB 12941
Managing Director Rolf Jeub
USt.-ID.-Nr. DE 813 408 398

Sparkasse KölnBonn
Kto. 33302365
BLZ 37050198
IBAN DE 05 3705 0198 0033 3023 65
Swift-BIC: COLSDE33

PETRODIST® 400 S

Turn key and versatile crude oil distillation system for semi-automatic operation according to ASTM D-2892 (TBP) and ASTM D-5236 (Potstill).

The PETRODIST 400 S is a combination of the basic systems

- * PETRODIST 100 S with flask size 6 L
- * PETRODIST 200 S with flask size 4 L

With a common fraction collector, vacuum supply and cryo/ thermostat to be used for both applications. Either of both systems can be operated at a time.

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 with volumes related to the flask size and provides an optical overflow protection. Once the receiver is filled up the individual fraction is continued to be collected in the next receiver.

The installation requires water, nitrogen, compressed air and electricity.

Technical Data

Equipment for ASTM D-2892 (PD 100)

Flask size:	2, 4, 6, 10, 20 L
Flask charge:	up to 60 % of flask volume
Operation temperature:	up to 350° C
Operation pressure:	vacuum down to 1 Torr
Final cut temperature:	up to 420° C AET

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Equipment for ASTM D-5236 (PD 200)

Flask size:	1, 2, 4, 6, 10, 20 L
Flask charge:	Up to 60 % of flask volume
Operation temperature:	up to 400° C
Operation pressure:	vacuum down to 0.1 Torr
Final cut temperature:	up to 650° C AET

Common specification

Fraction collector receiver capacity:	9 receivers, volume depending on flask size
Max. Ambient Temperature:	25° - 30°C
Main Supply:	3 x 208 – 250 V, 50 Hz (60 Hz upon request)
Dimensions (L x D x H):	depending on flask sizes

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