

PILODIST®

laboratory & process technology

PILODIST® HRS 500 C **- semi-micro distillation system -**



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SEMI-MICRO DISTILLATION APPARATUS HRS 500 C

With concentric-tube-column HRS 500. Especially versatile unit with highest separation efficiency and up-to-date processor control.

The special advantages of the concentric-tube-column are:

- extremely low pressure drop
- highest separation efficiency
- minimum hold-up
- all-glass construction
- static design (no rotating parts inside the column)

The separation efficiency in the concentric-tube-column is based on the physical principle of the mass transfer between vertically rising vapour and the spirally trickling film of liquid in a concentric annular gap made of glass. The column consists of two concentrically melted-in, especially selected and calibrated glass tubes.

The concentric-tube-column is perfectly suitable for the separation of temperature sensitive substances.

Technical Data

Flasks:	50, 100, 250 ml
Charge quantity:	10 - 150 ml
Operating temperature:	20° - 250° C
Operating pressure:	atm down to 0.001 mbar
Separation efficiency:	approx. 90 theoretical plates
Mains supply:	230 V, 50 Hz
Dimensions (w x h x d):	1.20 x 1.40 x 0.50 m
Weight:	approx. 76 kg