

VAPOUR-LIQUID-EQUILIBRUM Apparatus VLE 100 D

The vapour-liquid phase equilibrium of mixtures with two or more components are an essential basis for determining the theoretical number of separation stages and other distillation conditions.

A special advantage of the apparatus is that in case of mixtures with miscibility gaps, a direct gaseous sampling of the vapour phase is possible by means of another sampling port.

The model VLE 100 D is designed for operation under overpressure condition; the necessary fittings, probes and safety devices for this purpose are integrated in the cased basic frame.

A version for working under vacuum conditions is also available.

Build with a micro processor controlled regulation unit for precise and reliable work and can be upgraded for operations under reduced pressure as well. A heating mantle and tape for operation at higher temperatures is also available.

Application

Determination of vapour-liquid-equilibria for calculation of required separation efficiency.

Technical Data

Operating pressure:	3000 - 1.0 mbar
Operating temperature:	180° C
Measurement:	approx. 100 ml
Mains supply:	230 V, 60 Hz
Dimensions (w x h x d) :	0.5 x 0.85 x 0.50 m

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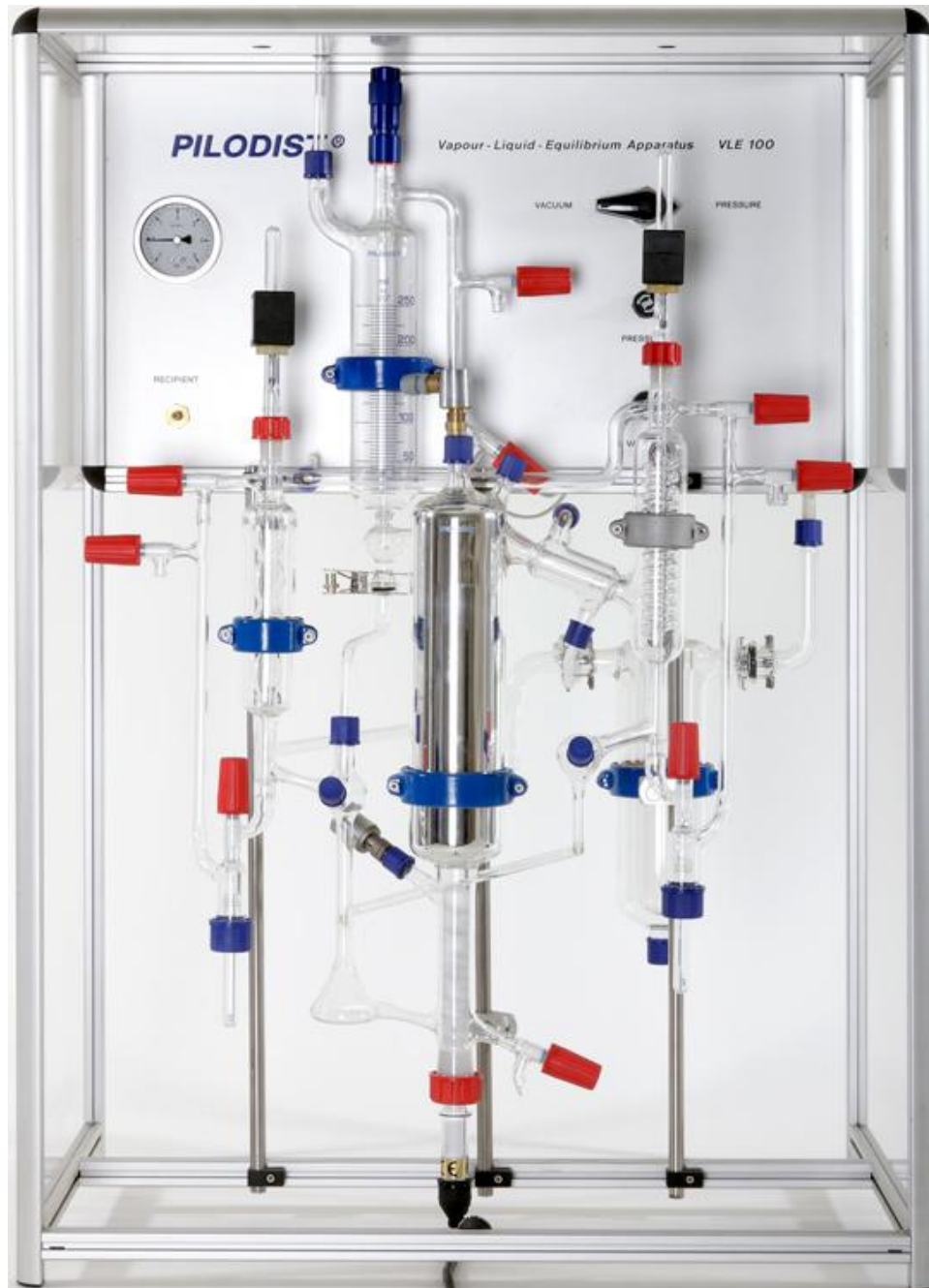
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