

ATMOSPHERIC DYNAMIC EBULLIOMETRY

MP1026 EBULLIOMETRE

DELTALAB



Non contractual photo

SERVICE : 230 V / 50 HZ / SINGLE PHASE: 1
KW. COLD WATER 20 ° C / 3 BAR: 200 L / H.
SEWER
DIMENSIONS : 0,83 M X 0,4 M X 0,95 M

WEIGHT : 40KG

REFERENCE : MP1026

A liquid (X) boiled in a micro-boiler emits vapor (Y) in equilibrium. A total condenser returns this steam in the boiler, condensed and hot, under atmospheric pressure: the balance is perfect. The ebulliometer is equivalent to a perfect unitary tray; it thus makes it possible to maintain this liquid-vapor equilibrium and to sample the equilibrium phases by gas-tight micro-syringes.

Educational Objectives :

Determination of equilibrium curves of a binary at atmospheric pressure.

Technical specifications :

Equipment

- Ebulliometry cell in borosilicate glass.
- Total borosilicate glass condenser.
- Magnetic stirrer heater with variation of heating power and stirring speed variation.
- Cold water supply.
- Cooling piping.
- PVC tray
- Frame in 304L stainless steel tube and aluminum nuts.

Instrumentation

- Set of syringe collection and loading.
- Control and control cabinet, IP55, equipped with emergency stop, operating buttons and the following interfaces:
- A digital temperature indicator of a Pt100 type probe.