

HM 500.16

Baffle plate flow meter



Learning objectives/experiments

- familiarisation with the principle of operation
- flow measurement
- plotting a pressure loss curve
- comparison with other flow meters

Specification

- [1] baffle plate flow meter as accessory for trainer HM 500
- [2] operation based on the baffle plate deflection method
- [3] scale to display the flow rate
- [4] connections to facilitate pressure loss measurement with the HM 500
- [5] vertical and horizontal installation possible

Technical data

Measuring range: 10...50L/min
Pipe connections: DN 32

LxWxH: 820x250x200mm
Weight: approx. 7kg

Scope of delivery

- 1 baffle plate flow meter
- 1 set of instructional material

Description

■ baffle plate flow meter as accessory for trainer HM 500

The baffle plate flow meter is installed in the water circuit of the HM 500 trainer. It's operation is based on the baffle plate deflection method.

The flowing medium meets a baffle plate that is linked to a pointer by a lever mechanism. A spring provides the counterforce. The lever mechanism, spring and scale are matched such that the pointer indicates the actual flow rate in litres per minute. The necessary connections are provided so that the pressure loss can be determined with the HM 500.