

PRODUCT DATA SHEET - LAB TEST UNITS

Ideal for your own laboratory

DESCRIPTION

- Sample filtration for simple study of filterability and achievable filtered water quality
- Use of a small single ceramic plate with filter area of 0.01 m² enables to execute tests at very small sample volumes (5 L are suitable for one sample test)
- Simulation of real filtration process: filtration, backwash submerged, backwash on-air, air-scouring during filtration or backwash
- Filtration tank partition of single plate simulates the real plate distance of 6.7 mm as per Module 6.0 S and Module 6.0 H
- Data recording of flow and pressure

LAB TEST UNIT – BATCH



- Batch process (discontinuous operation)
- Feed water to be filled manually into the filtration tank

LAB TEST UNIT – CONTI



- Two additional chambers integrated for option of pre-treatment simulation
- First pre-treatment chamber with fast mixer or aeration (coagulation, precipitation or oxidation simulation)
- Second pre-treatment chamber with slow mixer (retention or adsorption simulation)
- Feed water flow by feed pump enables a continuous test operation

SPECIFICATIONS

Power supply	1 phase, 220 - 240 V, 50/60 Hz	Filtration flow range	0.3 - 15 L/hr
Dimension LxWxH	800x600x600 mm	Backwash flow range	0.3 - 15 L/hr
Weight	30 kg	Max. filtration pressure	-0.6 bar
Ambient temp.	5 - 40 °C	Max. backwash pressure	2.0 bar
Water temp.	5 - 70 °C	Aeration/air-scouring	0.24 Nm ³ /hr