

PRODUCT DATA SHEET

LAB TEST UNIT

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
- 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 - 15.0 l/hr
Dimensions L x W x H	800 x 600 x 600 mm	Backwash flow range	0.3 - 15.0 l/hr
Weight	30 kg / 66 lbs	Max. filtration pressure	-0.6 bar / -8.7 psi
Ambient Temperature	5 - 40 °C / 41 - 104 °F	Max. backwash pressure	2.0 bar / 29 psi
Water temperature	5 - 70 °C / 41 - 158 °F	Air-scouring	0.24 Nm ³ /hr