Digestion apparatus for trace metal determination “TMB-12”, “TMB-20”.

DIGESTION SYSTEM FOR 12 SAMPLES (TMB-12) AND FOR 20 SAMPLES (TMB-20)

Fully automatic digestion process, with lifting and lowering of the sample rack.

Apparatus with epoxy enameled metal structure with automatic sample holder including the raising and lowering of the insertion frame and the exhaust manifold. Other components in stainless steel or with thermoplastic coating resistant to chemical agents.



APPLICATIONS

Digestion system to determine the acid-soluble parts of metals in sludge, sediments and soils according to DIN 38414.

CARACTERÍSTICAS COMUNES

Uniform heating.
Digestion block assembly that allows a temperature process with maximum precision, with an increased digestion yield of up to 12 or 20 samples.
Capacity to store 20 programs of 4 temperature and time steps.
RS-232 output for temperature recording and digestion programming from a computer.

Supplied complete with:
1 metal heating block.
1 automatic sample elevation system.
1 “Rat-2” programmer of time/temperature processes.
1 digestion tube rack with tube rack holder and 1 condensation tube rack with tube rack holder.
Tubes for digestion.
Condensation tubes.

MODELS - COMPLETE EQUIPMENT

MACRO	CODE	Number of seats	Height/Width/Depth Cm	Consumption W	Weight Kg
TMB-12	4002630	12	94 55 58	2152	61
TMB-20	4002631	20	94 55 58	2552	67

Time/temperature process programmer RAT-2.
Code 4001538

Features
Temperature range from 45 to 450 ºC.
Memory for 20 programs of 4 steps.
Maximum time per step: 600 minutes.
Acoustic indication of end of digestion program.
Two selectable temperature gradients:
Kjeldahl / D.Q.O.
Temperature sensor breakage alarm.
Independent temperature control.
Bidirectional RS-232 serial connection for temperature recording and editing of the digestion program with the RAT connected to a computer.
A software CD is included in the digestion unit.
Recirculation pump control connection.
Sample elevator control connection.

Control panel
The control panel and display of the RAT-2 allows the creation and execution of a digestion program.
During digestion it displays the block temperature, the elapsed time and the program step.



Racks with digestion tube rack holder
Thermoplastic coated, with handles and side plates to prevent heat loss.

Models	Code	Number of seats
TMB-12	4005011	12
TMB-20	4005013	20



Condensation tube racks with tube rack holders
Thermoplastic coated, with handles and side plates to prevent heat loss.

Models	Code	Number of seats
TMB-12	4005012	12
TMB-20	4005014	20



Metal heating blocks
For their correct operation it is essential to include the RAT-2 time/temperature process programmer, since they should not be connected directly to the mains.

Models	Code	Number of seats	Consumption W	Weight Kg
MACRO	4000508	12	2100	25
MACRO	4000509	20	2500	31



Digestion tubes. Code 4001030
250 ml capacity.

Lower coolant tubes. Code 4001031

Upper condenser tubes. Code 4001032