

Product: Bone maceration system with single process chamber
Article no.: MA-1360

Bone maceration system with single process chamber

For maceration at temperatures up to max. 80 ° C and liquid circulation

Range of applications: Anatomy, preparation and forensic technology

Type: 1360

Description

Standard compact version for almost odorless maceration with extraction of vapors into the atmosphere consisting of the compact device in the following version:

- Stable stainless steel frame construction faired completely with stainless steel sheet.
- Sealed container with drain piping and overflow protection
- Cover with gullet gasket and counterweights for simple handling when opening and closing.
- Upper part with connecting nozzle for chamber extraction by external ventilator
- Air intake for fresh air supply in the lid, which can be opened manually
- Height adjustable feet
- Control of the functions circulation, heating temperature, time etc. at the control cabinet with touchscreen display
- Electric heating with heat transfer medium (water)
- Optional tread platform

Concept and design

Components:

a) maceration chamber made of stainless steel

Double encasement for indirect heating via heat transfer medium (water).

Heating by means of 2-4 heating rods with 3 KW heating performance each.

Cover lid with gullies gasket for the odor sealing during the maceration process. The lid is equipped with a weight balance so that the opening and closing can be easily performed by any person.

Safety handles at the lid, which do not absorb heat.



MA-1360 with a process chamber



MA-1360 with open lid



Touchscreen panel for programming.
Texts in German language

b) housing and fittings

Total chamber surrounded by 60mm thermal isolation. Outer shell made of stainless steel sheet. Splash-proof construction. Adjustable feet for flat, leveled set up and installation. Alternatively rollers with clamps for mobile use. Direct access to all fittings, heating rods and other components.

Electrical components:

- Thermal protection against overheating (90 ° C)
- Electronic thermal sensor, type PT 100
- Thermometer (digital on display) for the control of the heating temperature
- Filling level display for the heat transfer medium

Fittings:

- Filler neck for the heat transfer medium
- Safety overflow NW 50
- Drain valve
- Filling ball valve
- Flexible shower with pressure switch for cleaning (optional)
- Valve for emptying the lid gullet
- Circulation pump with interval function and stop valve

c) Integrated switching and control cabinet made of stainless steel. Inter touchscreen display to control the maceration system. Dust- and splash-proof design.

- Including:

Electronic temperature control, touch screen display with operating functions for manual and automatic operation, thermal fuse, contactors and automatic circuit breakers

d) Integrated distant maintenance module (only with VPN tunnel)

Optional equipment

PH measurement with display on the touch screen during the maceration process without opening the lid at an extra charge. Guarantor for secure maceration results, since the correct pH-value plays a crucial role in the outcome.

Functions

Adjustable functions via touch screen control / display:

1. Maceration without bath circulation
2. Maceration with continuous bath circulation
3. Maceration with alternating bath circulation (time intervals are programmable)



Fresh air (installation room) -intake regulation

Mazerator BMU-1366.R2				31.12.2000 10:59:59	
00	°C	Solltemperatur	00,0	Amp. Strom Heizung 4	
00	°C	Isttemperatur	00,00	pH Wert Becken 1	
00	°C	Heizmedium			
000		h / m Sollaufzeit			
000		h / m Istlaufzeit			
000		h / m Restlaufzeit			
00,0		Amp. Strom Heizung 1		"Pause Aktiviert"	
00,0		Amp. Strom Heizung 2		Grafik Becken 1	Trend Becken 1
00,0		Amp. Strom Heizung 3			
AUTO B2				Mazeration "START"	
AUTO B2		Pumpe / Ablüfter		Mazeration "STOP"	

PH measurement with digital display without opening the lid (optional)



Exit air system via inouse ventilator

Technical data

Material: Stainless steel 1.4301 for all items, which are in contact with the medium and housing items incl. frame

Outside overall dimensions: 1780 (W) x 1140 (T) x 1560 (H) mm (With open lid)

Usable space dimensions: 1000 (W) x 600 (D) x 480 (H) mm

Other usable space dimensions on request!

Working temperature: Maceration medium up to +80°C (more on request)

The following items are supposed to be connected or provided on site:

- 32A CEE socket
- Inlet Cold water ½ "hose for filling
- Inlet cold or premixed water ½ "hose
- Waste water nozzle DN50
- Drainage pipe flexible 100mm internal diameter with min. 120m³/h exit air volume
- Network socket

Accessories

Hang in rods
Maceration basket (optional)
Hang in cross (optional)
Tread podium (optional, advisable at great depths)

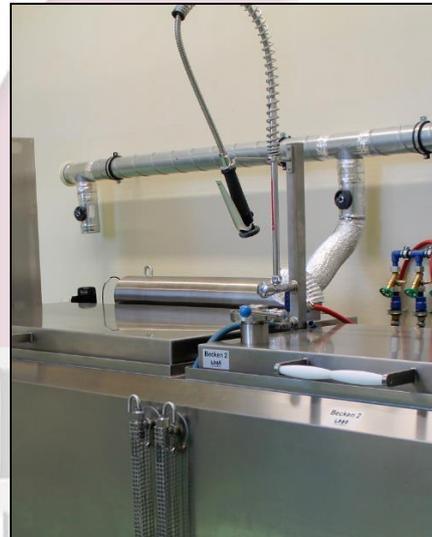
Additional baskets for the division of bone samples can be produced according to customer wishes.

Manufacturing country

Made in Germany by MEDIS MT GmbH in accordance with ISO 9001 and the valid EN standards and occupational safety and security regulations.



Example for the inlet of a maceration system with 2 chambers (Middle tap for supplying the shower)



Example on site exit air conduit, the 2. open coupling prevents under pressure in the chambers