

Product: Bone maceration system with two process chamber
Cat.-No.: MA-1366

Bone maceration system with two process chambers

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

Range of applications: Anatomy, preparation and forensic technology

Type: 1366

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.
- 2 sealed, heatable basins with drain piping made of stainless steel and overflow protection
- Lid 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 can be opened manually
- Height adjustable feet
- Control of the functions circulation, heating temperature, time etc. at the control cabinet with touchscreen display
- Both basins can operate independently from each other
- Electric heating via heat transfer medium (water)
- Optional tread platform at the deeper basin

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

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



MA-1366 with two process chambers



MA-1366 with opened lids and tread podium



Touchscreen panel for programming.
Texts in German

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. 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 (per basin)

Fittings:

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

c) Integrated switching and control cabinet made of stainless steel. Integrated touchscreen display to control the maceration system or both basins

- 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)

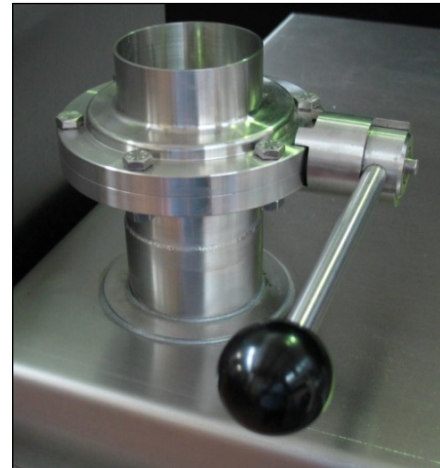
Optional equipment

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

Functions

Adjustable functions via color touch screen control / display:

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



Fresh air (Installation room)- supply 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	00 h / m Sollaufzeit		
000	00 h / m Istlaufzeit		
000	00 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	Mazeration "START"	
AUTO B2		Mazeration "STOP"	
AUTO B2	Pumpe / Ablüfter		

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



Connection to inhouse ventilators

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: 2600 (W) x 1250 (T) x 1560 (H) mm
(The outside overall dimensions always conform to the basin size)

Usable space dimensions per bath: 900 (W) x 650 (D) x 480 (H) mm

Other usable space dimensions on request!

E. g.:

Bath1: width 1600, depth 800, height 800mm

Bath2: width 1000, depth 600, height 480mm

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
- Inlet cold or premixed water ½ "hose for shower
- Waste water nozzle DN50 at both sides of the unit (stainless steel piping for on side connection possible)
- Exit air 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 basin depths)

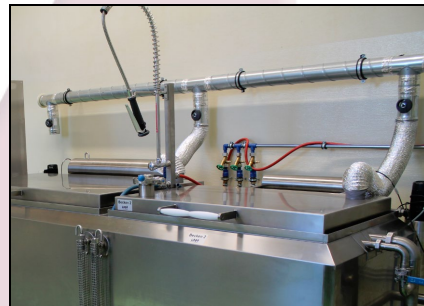
Additional baskets for the division of bone samples can be produced according to customer wishes.

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 of the inlet at a maceration unit with 2 chambers (middle tap for supplying the shower)



Example of an on site exit air conduit, the 3. open coupling prevents under pressure in the chambers