

## 1 Use according to specification

This device is a medical product (laboratory centrifuge) within the context of the IVD Directive 98/79/EC.

The centrifuge was designed only for the separation of materials or mixtures with a density of no more than 1.2 kg/dm<sup>3</sup>. In particular, these include samples for preparation of in-vitro diagnostic purposes in human medicine.

The centrifuge is only meant for this purpose.

Another use or one which goes beyond this, is considered to be non-intended. The company Andreas Hettich GmbH & Co. KG is not liable for damage resulting from this.

Observing all information in the operating instructions and complying with the measures described therein is also a part of the intended use.

## 2 Remaining risks

The device is built according to the state-of-the-art and the recognized safety regulations. If used and handled improperly, there could be life-threatening danger to the user or third parties, or the device could be impaired or there could be other property damage. The device is only to be used for its intended purpose and only when it is in safe working condition.

Malfunctions which could affect safety must be corrected immediately.

## 3 Technical specifications

Manufacturer	Andreas Hettich GmbH & Co. KG D-78532 Tuttlingen				
Model	MIKRO 200		MIKRO 200 R		
Type	2400	2400-01	2405	2405-07	2405-01
Mains voltage (± 10%)	200-240 V 1~	100-127 V 1~	200-240 V 1~	200-240 V 1~	100-127 V 1~
Mains frequency	50 – 60 Hz	50 – 60 Hz	50 Hz	60 Hz	50 – 60 Hz
Connected load	240 VA	270 VA	450 VA	450 VA	630 VA
Current consumption	1.2 A	2.7 A	1.9 A	2.0 A	5.0 A
Cooling medium	----		R 134a		
Max. capacity	24 x 2.0 ml				
Allowed density	1.2 kg/dm <sup>3</sup>				
Speed (RPM)	15000				
Force (RCF)	21382				
Kinetic energy	5800 Nm				
Obligatory inspection (BGR 500)	no				
Ambient conditions (EN / IEC 61010-1)	Indoors only Up to 2000 m above sea level 2°C to 40°C   5°C to 35°C Maximum relative humidity 80% for temperatures up to 31°C, linearly decreasing to 50% relative humidity at 40°C.				
– Set-up site					
– Altitude					
– Ambient temperature					
– Humidity					
– Excess-voltage category (IEC 60364-4-443)	II				
– Pollution degree	2				
Device protection class	I				
Not suitable for use in explosion-endangered areas.					
EMC	EN / IEC 61326-1, Class B		FCC Class B	EN / IEC 61326-1, Class B	FCC Class B
– Emitted interference, Interference immunity					
Noise level (dependent on rotor)	≤ 58 dB(A)		≤ 53 dB(A)	≤ 54 dB(A)	
Dimensions					
– Width	275 mm		281 mm		
– Depth	344 mm		553 mm		
– Height	260 mm		260 mm		
Weight	approx. 11.5 kg		approx. 28 kg		