

ZENTRIMIX 380 R

Efficient and safe work in the laboratory

The dual centrifuge ZentriMix 380 R allows many challenging laboratory tasks in research, development and analytics in a very efficient way or makes them possible for the first time. Examples are the rapid mixing of viscous materials, the production of nanoparticles in closed (sterile) vessels or tissue disruption. A particular advantage is the powerful cooling system for temperature-sensitive samples.

The ZentriMix 380 R was developed on the basis of proven Hettich centrifuge technology. This makes the device safe, reliable and durable. In addition, the compact design and the low noise level ensure a comfortable working environment in the laboratory.

— FEATURES

- (Nano-) Milling of samples
- QuEChERS-Analysis in one step in 50-70 % less time
- Fast und homogeneous Mixing of highly viscous materials
- Usage of inexpensive standard-vials
- Eliminates cleaning time and effort vs. the standard mills or mixers
- Guarantees sterility of the sample (i.e. genetic analysis after Milling)
- Integrated cooling for sensitive samples
- Very wide volume bandwidth when mixing (2 ml to 250 ml)

— FIELDS OF APPLICATION

- Analytical laboratories
- Food control laboratories
- University / Academic research
- Pharmaceutical laboratories
- Forensic laboratories
- Environmental laboratories
- Cell culture laboratories
- Cosmetic laboratories



More information about the control panel can be found on [page 202](#)



TECHNICAL DATA

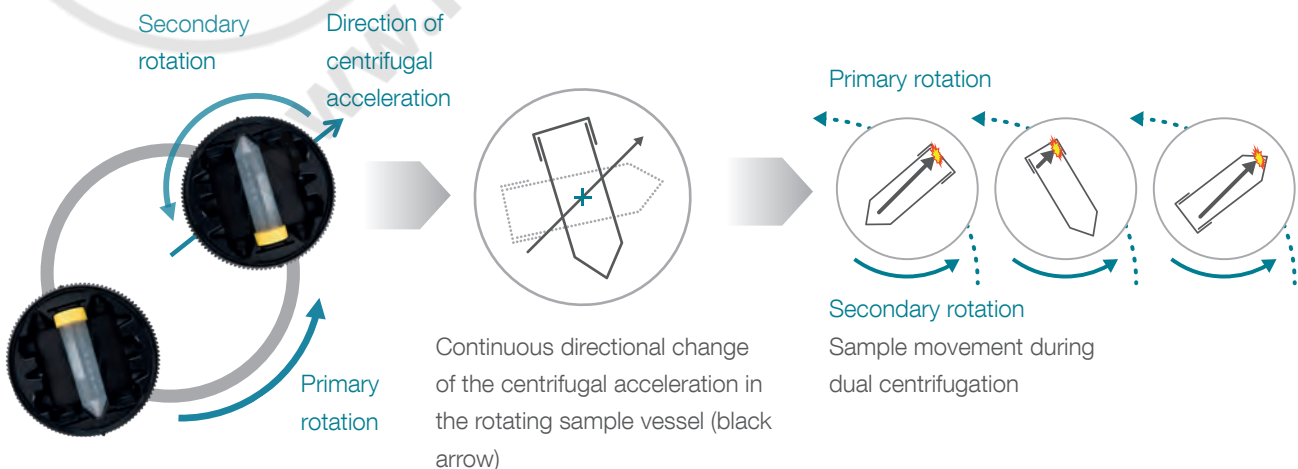
	ZentriMix 380 R	
voltage ¹⁾	200 – 240 V 1 ~	110 – 127 V 1 ~
frequency	50 – 60 Hz	60 Hz
consumption	1,400 VA	1,600 VA
emission, immunity	EN/IEC 61326-1, class B	FCC class B
max. capacity	2 x 250 ml / 40 x 2.0 ml	2 x 250 ml / 40 x 2.0 ml
max. RPM (S rotor / Swing-out rotor, 4-place)	2,500 / 5,000 min ⁻¹	2,500 / 5,00 min ⁻¹
max. RCF (S rotor / Swing-out rotor, 4-place)	1,048 / 4,863	1,048 / 4,863
dimensions (WxDxH)	472 x 759 x 418 mm	472 x 769 x 418 mm
weight	approx. 81.5 kg	approx. 89 kg
Cat. No.	3200	3200-01

1) Other voltages on request.

AVAILABLE ROTORS

ROTORS	angle	max. RPM	max. capacity	Cat. No.	page
 H rotor, 2-place	40°	1,500 min ⁻¹	2 x 250 ml	3206	174
 S rotor, 2-place	40°	2,500 min ⁻¹	2 x 250 ml	3205	174
 Swing-out rotor, 4-place	90°	5,000 min ⁻¹	4 x 250 ml	3234	175

OPERATING PRINCIPLE OF THE ROTOR



H ROTOR, 2-PLACE | 3206



Rotor

max. RPM max. RCF	1,500 min ⁻¹ 377
max. capacity	2 x 250 ml
run-up run-down, braked in sec	22 24
angle temperature in °C ²⁾	40° +20
Cat. No.	3206



Vessels

capacity in ml	2.0	10	15	50	125	185	250
Ø x L in mm	11 x 45.5	25.5 x 46	17 x 121	29.5 x 116	67 x 73,7	68 x 60	68 x 79
max. RCF ²⁾	377	377	377	377	307	319	319
radius in mm	150	150	150	150	122	127	127
Cat. No.	-	-	tubes		jars with screw cap		



Adapter

vessels per rotor							
Cat. No.	3236	3211	3218	3218	3237-2	3221-A	3221-A

S-ROTOR, 2-PLACE | 3205



Rotor

max. RPM max. RCF	2,500 min ⁻¹ 1,048
max. capacity	2 x 250 ml
run-up run-down, braked in sec	35 35
angle temperature in °C ²⁾	40° +20
Cat. No.	3205



Vessels

capacity in ml	2.0	10	125	185	250
Ø x L in mm	11 x 45.5	25.5 x 46	67 x 73,7	68 x 60	68 x 79
max. RCF ²⁾	1,048	1,048	852	886	886
radius in mm	150	150	122	127	127
Cat. No.	-	-	jars with screw cap		



Adapter

vessels per rotor					
Cat. No.	3236	3211	3237-2	3221-A	3221-A



Removal aid for Twist-Top disk 3236

3210



Removal aid for Twist-Top disk 3237-2 and 3221-A

3223

37) Conical 2 ml Sarstedt PP microlitre tubes with screw cap (Art.No. 72.693.005)

38.1) Please only use polypropylene vessels in accordance with ISO 8362 (No Glass!), to fit into the adapter the height of the vessel including crimp cap and stopper should be 48.5 mm.

39) All S Rotor adapters can also be used in the H Rotor.

41) Straight-walled 125 ml Thermo Fischer PPCO wide-neck jars with screw cap (Art.No. 2118-0004)

SWING-OUT ROTOR, 4-PLACE | 3234



Rotor

max. RPM max. RCF	5,000 min ¹ 4,863
max. capacity	4x 250 ml
run-up run-down, braked in sec	42 27
angle	90°
Cat. No.	3234



Bucket

lid bioseal ⁵⁾	1751
Cat. No.	1752



Vessels

capacity in ml	10	9	15	94	100	100	250	15	50	30	50	250	
Ø x L in mm	25.5x49	14x100	17x100	38x102	40x115	44x100	65 x 115	17x120	30 x 115	25x110	30x115	62 x 122	
max. RCF ⁷⁾	top / bottom	4,695	4,668	4,668	4,807	4,640	4,640	4,640	4,863	4,863	4,528	4,752	4,863
radius in mm	top / bottom	168	167	167	172	166	166	166	174	174	162	170	174
Bestell-Nr.	-	tubes ⁷⁾						tubes with screw cap					



Adapter

boring Ø x L in mm	26x33	17.5x62	17.5x62	38.5x80	41x97	45x87	66x104.5	17x84	30x84	26.5x72	30x80	62x100
vessels per rotor	24	52	52	8	4	4	4	36	16	20	16	4
Cat. No.	3235	1763-A	1763-A	1777	1767	1766	1768	1771-A	1772-A	1779	1774-A	1769

5) Tested by the TÜV in conformity with DIN EN 61010, section 2-020.

7) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers.

38.2) Polypropylene vessels in accordance with ISO 8362.

40) At temperatures of over +40 °C and / or when not filled to capacity, bottles may warp during centrifugation.

PRODUCT VIDEOS

Would you like to learn more about this product? Scan the QR Code to visit our YouTube channel:

www.youtube.com/hettichlabtechnology





LABORATORY EQUIPMENT MAINTENANCE, REPAIR, CALIBRATION AND SALES

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