

BENCHTOP CENTRIFUGE

ROTINA 380 | 380 R



HIGH SPEED WITH SPACE SAVING DESIGN

High performance unit supporting a wide array of accessories for multiple applications in just one rotor. Its size and performance make it the ideal bench top centrifuge for most clinical, reaearch and industrial laboratories.

This unit is available with refrigeration and a temperature range from -20 °C to +40 °C (ROTINA 380 R).

HIGHLIGHTS

- RPM: 50 - 15,000 min $^{-1}$
  Adjustable in steps of 10
- RCF: 50 - 24,400
  Adjustable in steps of 1
- max. capacity: 4 x 290 ml
- choice of 8 rotors
- IvD-conform according to directive 98/79/EC
- max. noise level of 54 dB(A) with rotor 1760
- easy operation with keypad and control knob
- 98 program memories for more individuality
- 9 individual acceleration and deceleration stages
- model 380 R coolable from -20 bis +40 °C with pre-cooling function

FEATURES

- metal housing and lid
- viewing port in the lid
- powered one-hand lid lock
- lid dropping protection
- emergency lid lock release
- stainless steel chamber
- automatic rotor recognition
- brushless drive
- error display
- display in °C and °F possible
- imbalance switch-off
- backlit panel with actual values of all parameters
- auditory message after completion of the centrifugation run

TECHNICAL DATA

	ROTINA 380 classic	**ROTINA 380 R** cooled
voltage *)	200 – 240 V 1 ~	200 – 240 V 1 ~
frequency	50 – 60 Hz	50 – 60 Hz
consumption	650 VA	1,300 VA
emission, immunity	EN/IEC 61326-1, class B	EN/IEC 61326-1, class B
max. capacity	4 x 290 ml	4 x 290 ml
max. RPM	15,000 min^{-1}	15,000 min^{-1}
max. RCF	24,400	24,400
running time	1 sec – 99 h: 59 min: 59 sec, ∞ continuous run, short cycle mode	1 sec – 99 h: 59 min: 59 sec, ∞ continuous run, short cycle mode
dimensions (W x D x H)	457 x 600 x 418 mm	457 x 750 x 418 mm
weight	approx. 51 kg	approx. 81 kg
noise level	54 dB (A) with rotor 1760	54 dB (A) with rotor 1760
temperature control, infinitely variable	-	from -20 to +40 °C
Cat. No.	**1701**	**1706**
100 – 127 V 1 ~ / 50 – 60 Hz *)	1701-01	1706-01
consumption	700 VA	1,400 VA
emission, immunity	FCC class B	FCC class B
weight	approx. 58.5 kg	approx. 88.5 kg

*) Other voltages on request.

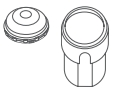
AVAILABLE ROTORS

SWING-OUT ROTORS	angle	max. RPM	max. capacity	Cat. No.	page
 swing-out rotor, 4-place	90°	5,000 min^{-1}	4 x 290 ml	**1754**	3
swing-out rotor, 4-place	90°	4,000 min^{-1}	4 x 290 ml	**1798**	5
swing-out rotor, 6-place	90°	4,000 min^{-1}	6 x 50 ml	**1726**	7
swing-out rotor, 2-place	90°	4,000 min^{-1}	10 plates	**1760**	9
swing-out rotor, 2-place	90°	5,100 min^{-1}	12 plates	**1770**	9
ANGLE ROTORS					
 angle rotor, 6-place	45°	10,000 | 11,000 min^{-1}	6 x 94 ml	**1720**	10
angle rotor, 6-place inclusive lid bioseal	45°	10,000 | 11,000 min^{-1}	6 x 94 ml	**1792**	11
 angle rotor, 30-place	45°	15,000 min^{-1}	30 x 2 ml	**1789-A**	12

SWING-OUT ROTOR, 4-PLACE | 1754



Rotor	
max. RPM I max. RCF	5,000 min^{-1} I 4,863
max. capacity	4 x 290 ml
run-up I run-down, braked in sec	42 I 27
angle I max. noise level	90° I 60 dB (A)
temperature in °C [1]	0
Cat. No.	**1754**



Bucket	
lid bioseal [5]	1751
Cat. No.	**1752**



Vessels															
capacity in ml	1.5	2.0	3	4	5	6	7	9	15	20	25	45	50	94	100
Ø x L in mm	11 x 38	11 x 38	10 x 60	12 x 60	12 x 75	12 x 82	12 x 100	14 x 100	17 x 100	21 x 100	24 x 100	31 x 100	34 x 100	38 x 102	40 x 115
max. RCF [2] top / bottom	3,494 / 4,779	3,494 / 4,779	4,779	4,668	4,668	4,668	4,668	4,668	4,668	4,668	4,668	4,668	4,668	4,807	4,640
radius in mm	125 / 171	125 / 171	171	167	167	167	167	167	167	167	167	167	167	172	166
Cat. No.	**microliter tubes**		**tubes [2]**												

Adapter															
boring Ø x L in mm	11.2x39.5	11.2x39.5	11.2x39.5	12.5 x 56	12.5 x 56	12.5 x 56	12.5 x 56	17.5 x 62	17.5 x 62	25.5 x 81	25.5 x 81	35.5 x 81	35.5 x 81	38.5 x 80	41 x 97
vessels per rotor	144	144	72	96	96	96	96	52	52	24	24	12	12	8	4
Cat. No.	**1761**	**1761**	**1761**	**1762-A**	**1762-A**	**1762-A**	**1762-A**	**1763-A**	**1763-A**	**1764**	**1764**	**1765**	**1765**	**1777**	**1767**

Vessels															
capacity in ml	100	250	1.1–1.4	2.6–3.4	2.7–3	4–5.5	4.5–5	4.5–5	4.9	4.9	7.5–8.5	9–10	10	1.6–5	4–7
Ø x L in mm	44 x 100	65 x 115	8 x 66	13 x 65	11 x 66	15 x 75	11 x 92	11 x 92	13 x 90	13 x 90	15 x 92	16 x 92	15 x 102	13 x 75	13 x 100
max. RCF [2]	4,640	4,640	4,668	4,668	4,668	4,668	4,668	4,668	4,668	4,668	4,668	4,668	4,668	4,668	4,668
radius in mm	166	166	167	167	167	167	167	167	167	167	167	167	167	167	167
Cat. No.	**tubes [2]**		**blood collection tubes / urine tubes**												

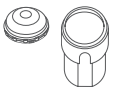
Adapter															
boring Ø x L in mm	45 x 87	66 x 104.5	9 x 49	13.5 x 54	12.5 x 56	17.5 x 62	12.5 x 56	13.2 x 72	13.5 x 54	13.2 x 72	17.5 x 62	17.5 x 62	17.5 x 62	13.5 x 54	13.5 x 54
vessels per rotor	4	4	96	64	96	52	96	76	64	76	52	52	52	64	64
Cat. No.	**1766**	**1768**	**1781**	**1783-A**	**1762-A**	**1763-A**	**1762-A**	**1787**	**1783-A**	**1787**	**1763-A**	**1763-A**	**1763-A**	**1783-A**	**1783-A**

1) For cooled versions: Lowest temperature achievable with precooling and max. speed.
2) 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. The max. RCF for glass tubes annotated with footnote 2) is 4,000.
5) Tested by the TÜV in conformity with DIN EN 61010, section 2 - 020.

SWING-OUT ROTOR, 4-PLACE | 1754



Rotor	
max. RPM I max. RCF	5,000 min^{-1} I 4,863
max. capacity	4 x 290 ml
run-up I run-down, braked in sec	42 I 27
angle I max. noise level	90° I 60 dB (A)
temperature in °C [1]	0
Cat. No.	**1754**



Bucket	
lid bioseal [5]	1751
Cat. No.	**1752**



Vessels															
capacity in ml	4 – 7	4 – 7	8	8,5 – 10	5	15	50	12	25	30	50	50	14	10	30
Ø x L in mm	13x100	16x75	16x125	16x100	17x59	17x120	29 x 115	17x100	25x90	25x110	29x115	29x115	16,5x106	16x80	26x95
max. RCF [2]	4,668	4,668	4,668	4,668	4,863	4,863	4,863	4,696	4,528	4,528	4,752	4,752	4,668	4,668	4,807
radius in mm	167	167	167	167	174	174	174	168	162	162	170	170	167	167	172
Cat. No.	**blood collection tubes / urine tubes**				**-**	**tubes with screw cap**									

Adapter															
			[21]									+ E2110-A			
boring Ø x L in mm	13.2x72	17.5x62	17.5x62	17.5x62	17x52	17x84	30x84	17x78	26.5x72	26.5x72	30x80	30x80	17.5x62	17.5x62	26.5x70
vessels per rotor	76	52	12	52	32	36	16	36	20	20	16	16	52	52	24
Cat. No.	**1787**	**1763-A**	**1763-A**	**1763-A**	**1738**	**1771-A**	**1772-A**	**1773**	**1779**	**1779**	**1774-A**	**1774-A**	**1763-A**	**1763-A**	**1775**

Vessels									
					[3.3]				[3.3]
capacity in ml	50	85	94	175	175	200	225	250	290
Ø x L in mm	29x107	38x106	38x102	61 x 118	62 x 144	60 x 130	61 x 137	61 x 122	62 x 137
max. RCF [2]	4,752	4,807	4,807	4,863	4,863	4,863	4,863	4,863	4,863
radius in mm	170	172	172	174	174	174	174	174	174
Cat. No.	**tubes with screw cap**			**Falcon**	**Nalgene**	**Nunc®**	**Falcon**	**0527 [24]**	**- [24]**

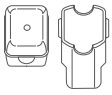
Adapter									
boring Ø x L in mm	30 x 80	38.5 x 80	38.5 x 80	62 x 111	62 x 111	62 x 111	62 x 111	62 x 100	62 x 100
vessels per rotor	16	8	8	4	4	4	4	4	4
Cat. No.	**1774-A**	**1777**	**1777**	**1782**	**1778**	**1778**	**1782**	**1769**	**1769**

1) For cooled versions: Lowest temperature achievable with precooling and max. speed.
2) 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. The max. RCF for glass tubes annotated with footnote 2) is 4,000.
3.3) When using these tubes, bucket 1752 or 5051 cannot be closed with lid 1751 or 5053.
5) Tested by the TÜV in conformity with DIN EN 61010, section 2 - 020.
13) Tube No. 0538 also available with screwing cap. Dimensions with cap 38 x 110 mm. Cat. No. 0539.
21) Adapter must be loaded as illustrated.
24) At temperatures of over +40 °C and / or when not filled to capacity, bottles may warp during centrifugation.

SWING-OUT ROTOR, 4-PLACE | 1798



Rotor	
max. RPM I max. RCF	4.000 min^{-1} I 2,898
max. capacity	4 x 100 ml
run-up I run-down, braked in sec	24 I 17
angle I max. noise level	90° I 55 dB (A)
temperature in °C [1]	-8
Cat. No.	**1798**



Bucket	
lid	5053
Cat. No.	**5051**



Vessels														
capacity in ml	1.5	2	1.5	2	3	5	6	7	9	15	25	50	100	100
Ø x L in mm	11 x 38	11 x 38	11 x 38	11 x 38	10 x 60	12 x 75	12 x 82	12 x 100	14 x 100	17 x 100	24 x 100	34 x 100	40 x 115	44 x 100
max. RCF [2] top / bottom	1,950 / 2,826	1,950 / 2,826	2,826	2,826	2,737	2,773	2,773	2,755	2,773	2,755	2,755	2,755	2,755	2,755
radius in mm	109 / 158	109 / 158	158	158	153	155	155	154	155	154	154	154	154	154
Cat. No.	**microliter tubes**				**tubes [2]**									
Adapter														
boring Ø x L in mm	12.5 x 42	12.5 x 42	11.5 x 50	11.5 x 50	11 x 44	12.5 x 42	12.5 x 42	12.5 x 86	16 x 50	17.5 x 86	26 x 86	36 x 86	42 x 86	45.5 x 86
vessels per rotor	160	160	64	64	80	80	80	80	48	48	20	8	4	4
Cat. No.	**5257**	**5257**	**5281**	**5281**	**5267**	**5227**	**5227**	**5247 [15]**	**5264**	**5248 [15]**	**5242**	**5243**	**5249**	**5262**

Vessels													
capacity in ml	1.1 – 1.4	2.6 – 3.4	2.7 – 3	4 – 5.5	4.5 – 5	4.9	7.5 – 8.5	9 – 10	10	1.6 – 5	4 – 7	4 – 7	8.5 – 10
Ø x L in mm	8 x 66	13 x 65	11 x 66	15 x 75	11 x 92	13 x 90	15 x 92	16 x 92	15 x 102	13 x 75	13 x 100	16 x 75	16 x 100
max. RCF [2]	2,737	2,808	2,773	2,773	2,773	2,808	2,773	2,755	2,755	2,808	2,808	2,773	2,755
radius in mm	153	157	155	155	155	157	155	154	154	157	157	155	154
Cat. No.	**blood collection tubes / urine tubes**												
Adapter													
boring Ø x L in mm	11 x 44	13.5 x 52	12.5 x 42	16 x 50	12.5 x 42	13.5 x 52	16 x 50	17.6 x 86	17.6 x 86	13.5 x 52	13.5 x 52	16 x 50	17.5 x 86
vessels per rotor	80	48	80	48	80	48	48	44	44	48	48	48	48
Cat. No.	**5267**	**5268**	**5227**	**5264**	**5227**	**5268**	**5264**	**5258**	**5258**	**5268**	**5268**	**5264**	**5248**

Vessels							
capacity in ml	30	50	15	12	30	50	1 – 8
Ø x L in mm	25 x 110	29 x 115	17 x 120	17 x 100	25 x 110	29 x 115	simple / multiple
max. RCF [2] top / bottom	2,755	2,826	2,898	2,898	2,755	2,755	1,735 / 2,737
radius in mm	154	158	162	162	154	154	97 / 153
Cat. No.	**tubes with screw cap**						**cyto chambers**
Adapter						+ 2 x 6316	
boring Ø x L in mm	26 x 86	30 x 86	17 x 90	17 x 90	26 x 86	36 x 86	-
vessels per rotor	20	8	28	28	20	8	8
Cat. No.	**5266**	**5259**	**6306**	**6306**	**5266**	**5243**	**5280**

1) For cooled versions: Lowest temperature achievable with precooling and max. speed.
2) 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. The max. RCF for glass tubes annotated with footnote 2) is 4,000.
3.3) When using these tubes, bucket 1752 or 5051 cannot be closed with lid 1751 or 5053.
15) Also available with decanting aid. (Cat. No. 5247-91 or 5248-91).

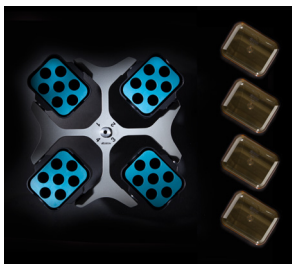
SWING-OUT ROTOR, 4-PLACE | 1798



Rotor	
max. RPM I max. RCF	4,000 min^{-1} I 3,095
max. capacity	4 x 290 ml
run-up I run-down, braked in sec	24 I 17
angle I max. noise level	90° I 56 dB (A)
temperature in °C [1]	-8
Cat. No.	**1798**



Bucket	
lid bioseal [5]	5093
Cat. No.	**5092**



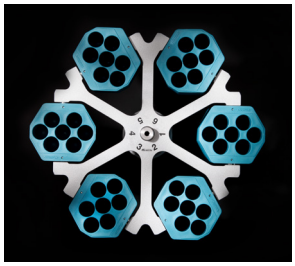
Vessels															
capacity in ml	5	6	7	15	25	50	100	100	250	15	30	50	12	25	30
Ø x L in mm	12 x 75	12 x 82	12 x 100	17 x 100	24 x 100	34 x 100	44 x 100	40 x 115	65 x 115	17 x 120	25 x 110	29 x 115	17 x 100	25 x 90	25 x 110
max. RCF [2]	3,005	3,005	3,005	2,952	2,898	2,952	2,952	2,952	3,095	3,095	2,898	3,095	3,005	2,826	2,898
radius in mm	168	168	168	165	162	165	165	165	173	173	162	173	168	158	162
Cat. No.	**tubes [2]**									**tubes with screw cap**					
Adapter															
boring Ø x L in mm	12.8 x 45	12.8 x 45	12.8 x 82	17.5 x 60.7	25.5 x 82	35.5 x 85	45.5 x 85	42 x 85	66 x 103	17 x 85	25.5 x 82	30 x 85	17.5 x 82	26 x 73	25.5 x 82
vessels per rotor	48	48	48	32	16	4	4	4	4	28	16	8	28	12	16
Cat. No.	**5128**	**5128**	**5120**	**5136**	**5122**	**5124**	**5125**	**5126**	**1791**	**5129**	**5122**	**5123**	**5121**	**5134**	**5122**

Vessels															
capacity in ml	50	10	250	290	1.1 – 1.4	2.6 – 3.4	2.7 – 3	4 – 5.5	4.5 – 5	4.9	7.5 – 8.5	9 – 10	10	1.6 – 5	4 – 7
Ø x L in mm	29 x 115	16 x 80	61 x 122	62 x 137	8 x 66	13 x 65	11 x 66	15 x 75	11 x 92	13 x 90	15 x 92	16 x 92	15 x 102	13 x 75	16 x 75
max. RCF [2]	3,023	2,952	3,095	3,095	2,540	2,540	2,540	2,952	3,005	2,952	2,952	2,952	2,952	2,540	2,952
radius in mm	169	165	173	173	142	142	142	165	168	165	165	165	165	142	165
Cat. No.	**tubes with screw cap**		**5127 [24]**	**- [24]**	**blood collection tubes / urine tubes**										
Adapter															
boring Ø x L in mm	30 x 99	17.5 x 60.7	66 x 103	66 x 103	12.8 x 54.5	12.8 x 54.5	12.8 x 54.5	17.5 x 60.7	12.8 x 82	13.5 x 60.7	17.5 x 60.7	17.5 x 60.7	17.5 x 60.7	12.8 x 54.5	17.5 x 60.7
vessels per rotor	8	32	4	4	48	48	48	32	48	32	32	32	32	48	32
Cat. No.	**5135**	**5136**	**6319**	**6319**	**5138**	**5138**	**5138**	**5136**	**5120**	**5137**	**5136**	**5136**	**5136**	**5138**	**5136**

Vessels				
capacity in ml	4 – 7	4 – 7	8	8.5 – 10
Ø x L in mm	16 x 75	13 x 100	16 x 125	16 x 100
max. RCF [2]	3,005	3,005	3,059	2,952
radius in mm	168	168	171	165
Cat. No.	**blood collection / urine tubes**			
Adapter				
boring Ø x L in mm	17.5 x 52	12.8 x 82	17.5 x 82	17.5 x 60.7
vessels per rotor	28	48	28	32
Cat. No.	**5121-93**	**5120**	**5121 [4]**	**5136**

1) For cooled versions: Lowest temperature achievable with precooling and max. speed.
2) 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.
The max. RCF for glass tubes annotated with footnote 2) is 4,000.
3.5) When using these tubes, bucket 5092 cannot be closed with lid 5053.
4) Please remove the spacer.
24) At temperatures of over +40 °C and / or when not filled to capacity, bottles may warp during centrifugation.

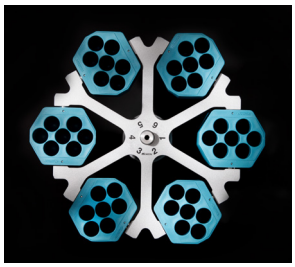
SWING-OUT ROTOR, 6-PLACE | 1726



Rotor	
max. RPM I max. RCF	4,000 min^{-1} I 2,808
max. capacity	6 x 50 ml
run-up I run-down, braked in sec	19 I 18
angle	90°
temperature in °C [1]	-6
Cat. No.	**1726**

Vessels													
capacity in ml	5	5	6	7	9	15	20	25	45	50	8.5 x 10	30	1–8
Ø x L in mm	12x75	12x75	12x82	12x100	14x100	17x100	21x100	24x100	31x100	34x100	16x100	26x95	simple / multiple
max. RCF [2]	2,576	2,522	2,665	2,665	2,665	2,665	2,719	2,808	2,719	2,808	2,665	2,808	2,003
radius in mm	144	141	149	149	149	149	152	157	152	157	149	157	112
Cat. No.	**tubes [2]**										**-**	**-**	**cyto chambers**
Carrier	with decanting aid		with decanting aid	with decanting aid									
boring Ø x L in mm	12.5x64.4	13.5x65	12.5x71.5	12.5x71.5	14.6x74	17.6x74	21.5x74	26x78	32x74	35x78	17.6x74	26x78	-
vessels per rotor	24	102	24	24	30	24	12	12	6	6	24	12	6
Cat. No.	**1369-91**	**1372**	**1369-92**	**1369-92**	**1370**	**1369**	**1346**	**1745**	**1345**	**1746**	**1369**	**1745**	**1660**

SWING-OUT ROTOR, 6-PLACE | 1726



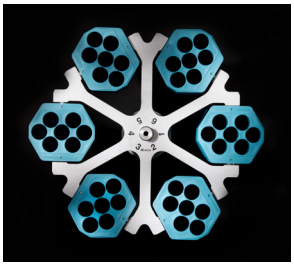
Rotor	
max. RPM I max. RCF	4,000 min^{-1} I 2,808
max. capacity	42 x 15 ml
run-up I run-down, braked in sec	19 I 18
angle I max. noise level	90° I 54 dB (A)
temperature in °C [1]	-6
Cat. No.	**1726**

Carrier	
Cat. No.	**1742**

Vessels										
capacity in ml	15	2.6–3.4	4–5.5	7.5–8.5	9–10	10	1.6–5	4–7	8.5–10	15
Ø x L in mm	17x100	13x65	15x75	15x92	16x92	15x102	13x75	16x75	16x100	17x120
max. RCF [2]	2,808	2,683	2,683	2,808	2,808	2,808	2,683	2,683	2,808	2,808
radius in mm	157	150	150	157	157	157	150	150	157	157
Cat. No.	**- [2]**	**blood collection tubes / urine tubes**								**-**
Adapter		spacer	spacer			[21]	spacer	spacer		[21]
boring Ø x L in mm	17.6 x 78	17.6 x 78	17.6 x 78	17.6 x 78	17.6 x 78	17.6 x 78	17.6 x 78	17.6 x 78	17.6 x 78	17.6 x 78
vessels per rotor	42	42	42	42	42	18	42	42	42	18
Cat. No.	**-**	**0716**	**0716**	**-**	**-**	**-**	**0716**	**0716**	**-**	**-**

1) For cooled versions: Lowest temperature achievable with precooling and max. speed.
2) 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. The max. RCF for glass tubes annotated with footnote 2) is 4,000.
21) Adapter must be loaded as illustrated.

SWING-OUT ROTOR, 6-PLACE | 1726



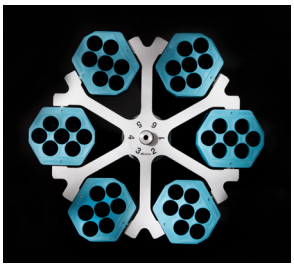
Rotor	
max. RPM I max. RCF	4,000 min^{-1} I 2,325
max. capacity	72 x 4 ml
run-up I run-down, braked in sec	19 I 18
angle I max. noise level	90° I 54 dB (A)
temperature in °C [1]	-6
Cat. No.	**1726**

Bucket	
Cat. No.	**1366**

Vessels					
capacity in ml	1.5	2.0	1	3	4
Ø x L in mm	11 x 38	11 x 38	6 x 45	10 x 60	12 x 60
max. RCF [2]	2,325	2,325	2,308	2,290	2,290
radius in mm	130	130	129	128	128
Cat. No.	**microliter tubes**		**Rhesus**	**tubes [2]**	

Adapter					
boring Ø x L in mm	11.5 x 38	11.5 x 38	6.5 x 23	10.5 x 23	12.5 x 44
vessels per rotor	54	54	180	72	72
Cat. No.	**5277**	**5277**	**1357**	**1327**	**1326**

SWING-OUT ROTOR, 6-PLACE | 1726



Rotor	
max. RPM I max. RCF	4,000 min^{-1} I 2,808
max. capacity	60 x 9 ml
run-up I run-down, braked in sec	19 I 18
angle I max. noise level	90° I 54 dB (A)
temperature in °C [1]	-6
Cat. No.	**1726**

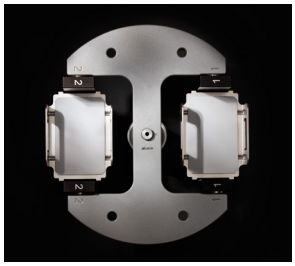
Carrier	
Cat. No.	**1741**

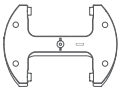
Vessels						
capacity in ml	9	1.1 – 1.4	4.5 – 5	4.9	1.6 – 5	4 – 7
Ø x L in mm	14 x 100	8 x 66	11 x 92	13 x 90	13 x 75	13 x 100
max. RCF [2]	2,773	2,773	2,808	2,808	2,486	2,808
radius in mm	155	155	157	157	139	157
Cat. No.	**- [2]**	**blood collection tubes / urine tubes**				

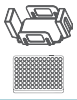
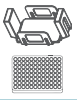
Adapter						
	spacer	spacer	[21]			
boring Ø x L in mm	14.6 x 78	14.6 x 78	14.6 x 78	14.6 x 78	14.6 x 78	14.6 x 78
vessels per rotor	60	60	36	60	60	60
Cat. No.	**0701**	**0701**	**-**	**-**	**6x0768 [16]**	**-**

1) For cooled versions: Lowest temperature achievable with precooling and max. speed.
2) 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. The max. RCF for glass tubes annotated with footnote 2) is 4,000.
16) Packaging unit 10 pieces.
21) Adapter must be loaded as illustrated.

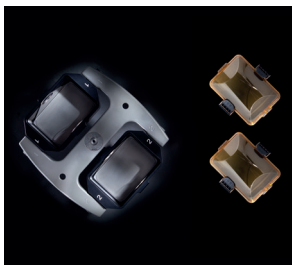
SWING-OUT ROTOR, 2-PLACE | 1760

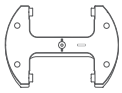


Rotor	
max. RPM I max. RCF	4,000 min^{-1} I 2,397
max. capacity	10 plates
run-up I run-down, braked in sec	30 I 23
angle I max. noise level	90° I 54 dB (A)
temperature in °C [1]	-8
Cat. No.	**1760**

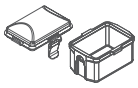
Plates									
W x D x H in mm	128x86x15	128x86x17.5	128x86x22	128x86x44,5	128x86x46	128x86x83	84x59x11	124x82x20	-
capacity in ml	-	-	-	-	-	-	-	-	0,2
max. RCF [2]	2,397	2,397	2,397	2,397	2,397	2,397	2,397	2,397	2,397
radius in mm	134	134	134	134	134	134	134	134	134
Cat. No.	**MTP**	**MTP**	**CP**	**DWP**	**MS**	**QP**	**Microtest plates**	**PCR plate**	**PCR strips**
+									
Bucket									
boring Ø x L in mm	-	-	-	-	-	-	-	-	-
plates / strips per rotor	10	8	6	2	2	2	4	2	24 x 8
Cat. No.	**1753-A**	**1753-A**	**1753-A**	**1753-A**	**1753-A**	**1753-A**	**1753-A**	**1753-A+1485**	**1753-A+1485**

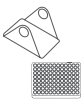
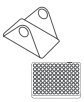
SWING-OUT ROTOR, 2-PLACE | 1770



Rotor	
max. RPM I max. RCF	5,100 min^{-1} I 3,926
capacity in ml	12 plates
run-up I run-down, braked in sec	65 I 30
angle	90°
temperature in °C [1]	-3
Cat. No.	**1770**

+

Bucket	
lid bioseal [5]	4627
Cat. No.	**4745**

Plates									
W x D x H in mm	128x86x15	128x86x17.5	128x86x22	128x86x44,5	128x86x46	128x86x83	84x59x11	124x82x20	-
Ø x L in mm	-	-	-	-	-	-	-	-	0,2
max. RCF [2]	3,926	3,926	3,926	3,926	3,926	3,926	3,926	3,926	3,926
radius in mm	135	135	135	135	135	135	135	135	135
Cat. No.	**MTP**	**MTP**	**CP**	**DWP**	**MS**	**QP**	**Microtest plates**	**PCR plate**	**PCR strips**
+									
Removal frame									
boring Ø x L in mm	-	-	-	-	-	-	-	-	-
plates / strips per rotor	12	10	8	2	2	2	4	2	24 x 8
Cat. No.	**4626**	**4626**	**4626**	**4626**	**4626**	**4626**	**4626**	**4626 + 1485**	**4626 + 1485**

1) For cooled versions: Lowest temperature achievable with precooling and max. speed.
2) 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. The max. RCF for glass tubes annotated with footnote 2) is 4,000.
5) Tested by the TÜV in conformity with DIN EN 61010, section 2 - 020.

ANGLE ROTOR, 6-PLACE | 1720





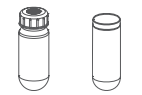
Rotor		
max. RPM	ROTINA 380 I 380 R	10,000 min^{-1} I 11,000 min^{-1}
max. RCF		13,528 I 16,369
max. capacity		6 x 94 ml
run-up / run-down, braked in sec		39 / 36 I 45 / 44
angle I max. noise level		45° I 59 dB (A)
temperature in °C [1]		+1
Cat. No.		**1720**



Vessels															
capacity in ml		1.5	2.0	15	25	50	94	7.5 – 8.5	9 – 10	8.5 – 10	5	15	50	10	30	50
Ø x L in mm		11 x 38	11 x 38	17 x 100	24 x 100	34 x 100	38 x 102	15 x 92	16 x 92	16 x 100	17 x 59	17 x 120	29 x 115	16 x 80	26 x 95	29 x 107
max. RCF [2]	ROTINA 380	12,969	12,969	12,745	12,410	13,304	13,528	12,745	12,745	12,745	12,857	13,081	12,745	12,410	12,410	12,969
max. RCF [2]	ROTINA 380 R	15,692	15,692	15,422	15,016	16,098	16,369	15,422	15,422	15,422	15,557	15,828	15,422	15,016	15,016	15,692
radius in mm		116	116	114	111	119	121	114	114	114	115	117	114	111	111	116
Cat. No.		**microliter tubes**		**tubes [2]**				**blood collection tubes / urine tubes**			**-**	**tubes with screw cap**				



Adapter															
boring Ø x L in mm		11.4 x 39	11.4 x 39	17.5 x 92	26 x 85	35 x 89	38.4 x 89	17.5 x 92	17.5 x 92	17.5 x 92	17 x 51	17 x 106	29.8 x 97	16.5 x 74	26 x 85	29 x 92
vessels per rotor		24	24	6	6	6	6	6	6	6	6	6	6	12	6	6
Cat. No.		**1449**	**1449**	**1451**	**1447**	**1463**	**-**	**1451**	**1451**	**1451**	**1476**	**1466**	**1454**	**1448**	**1447**	**1446**

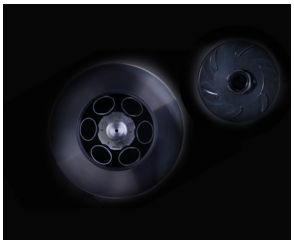


Vessels			
capacity in ml		85	94
Ø x L in mm		38 x 106	38 x 102
max. RCF [2]	ROTINA 380	13,528	13,528
max. RCF [2]	ROTINA 380 R	16,369	16,369
radius in mm		121	121
Cat. No.		**tubes with screw cap**	

Adapter			
boring Ø x L in mm		38.4x89	38.4x89
vessels per rotor		6	6
Cat. No.		**-**	**-**

1) For cooled versions: Lowest temperature achievable with precooling and max. speed.
2) 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. The max. RCF for glass tubes annotated with footnote 2) is 4,000.

ANGLE ROTOR, 6-PLACE | 1792



Rotor		
max. RPM	ROTINA 380 I 380 R	10,000 min^{-1} I 11,000 min^{-1}
max. RCF		13,640 I 16,504
max. capacity		6 x 94 ml
run-up I run-down, braked in sec		40 / 37 I 48 / 44
angle I max. noise level		45° I 59 dB (A)
temperature in °C [1]		+4
Cat. No.		**1792**

lid bioseal [5]	
Cat. No.	**INCLUSIVE**

Vessels																
capacity in ml		1.5	2.0	15	25	50	94	7.5 – 8.5	9 – 10	10	8.5 – 10	5	15	50	10	30
Ø x L in mm		11 x 38	11 x 38	17 x 100	24 x 100	34 x 100	38 x 102	15 x 92	16 x 92	15 x 102	16 x 100	17 x 59	17 x 120	29 x 115	16 x 80	26 x 95
max. RCF [2]	ROTINA 380	13,081	13,081	12,857	12,522	13,416	13,640	12,857	12,857	12,857	12,857	12,745	13,081	13,304	12,857	12,522
max. RCF [2]	ROTINA 380 R	15,828	15,828	15,557	15,151	16,233	16,504	15,557	15,557	15,557	15,557	15,422	15,828	16,098	15,557	15,151
radius in mm		117	117	115	112	120	122	115	115	115	115	114	117	119	115	112
Cat. No.		**microliter tubes**		**tubes [2]**				**blood collection tubes / urine tubes**				**-**	**tubes with screw cap**			

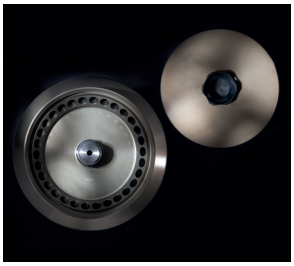
Adapter																
boring Ø x L in mm		11.4 x 39	11.4 x 39	17.5 x 92	26 x 85	35 x 89	38.2 x 89.6	17.5 x 92	17.5 x 92	17.5 x 92	17.5 x 92	17 x 51	17 x 106	29.8 x 97	16.5 x 74	26 x 85
vessels per rotor		24	24	6	6	6	6	6	6	6	6	6	6	6	12	6
Cat. No.		**1449**	**1449**	**1451**	**1447**	**1463**	**-**	**1451**	**1451**	**1451**	**1451**	**1476**	**1466**	**1454**	**1448**	**1447**

Vessels			
capacity in ml		50	85
Ø x L in mm		29 x 107	38 x 106
max. RCF [2]	ROTINA 380	13,081	13,640
max. RCF [2]	ROTINA 380 R	15,828	16,504
radius in mm		117	122
Cat. No.		**tubes with screw cap**	

Adapter			
boring Ø x L in mm		29 x 92	38.2 x 89.6
vessels per rotor		6	6
Cat. No.		**1446**	**-**

1) For cooled versions: Lowest temperature achievable with precooling and max. speed.
2) 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. The max. RCF for glass tubes annotated with footnote 2) is 4,000.
5) Tested by the TÜV in conformity with DIN EN 61010, section 2 - 020.

ANGLE ROTOR, 30-PLACE | 1789-A



Rotor	
max. RPM I max. RCF	15,000 min^{-1} I 24,400 min^{-1}
max. capacity	30 x 2 ml
run-up I run-down, braked in sec	24 I 24
angle I max. noise level	45° I 60 dB (A)
temperature in °C [1]	+4
Cat. No.	**1789-A**

+

Lid bioseal[5], phenol-resistant	
Cat. No.	**INCLUSIVE**

Vessels							
capacity in ml	0.2	0.4	0.5	0.8	1.5	2	0.5
Ø x L in mm	6 x 18	6 x 45	8 x 30	8 x 45	11 x 38	11 x 38	10,7 x 36
max. RCF [2]	24,400	24,400	24,400	24,400	24,400	24,400	23,394
radius in mm	97	97	97	97	97	97	93
Cat. No.	**microliter tubes**						**Pediatric**

+

Adapter							
boring Ø x L in mm	6 x 40	6 x 40	8 x 40	8 x 40	-	11.2x40.9	11.2x40.9
vessels per rotor	30	30	30	30	30	30	15
Cat. No.	**2024**	**2024**	**2023**	**2023**	**2031 [7]**	**-**	**0788 [17]**

1) For cooled versions: Lowest temperature achievable with precooling and max. speed.
2) 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. The max. RCF for glass tubes annotated with footnote 2) is 4,000.
5) Tested by the TÜV in conformity with DIN EN 61010, section 2 - 020.
7) For centrifugation at high speeds, we recommend to use form-fitting, phenol-resistant adapters. Cat. No. 2031.
17) Packaging unit 15 pieces.

CERTIFICATES / REGISTRATIONS

IvD CONFORM according to directive 98/79/EC

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QUALITY SYSTEM CERTIFICATION DNV·GL ISO 9001

ENVIRONMENTAL SYSTEM CERTIFICATION DNV·GL ISO 14001

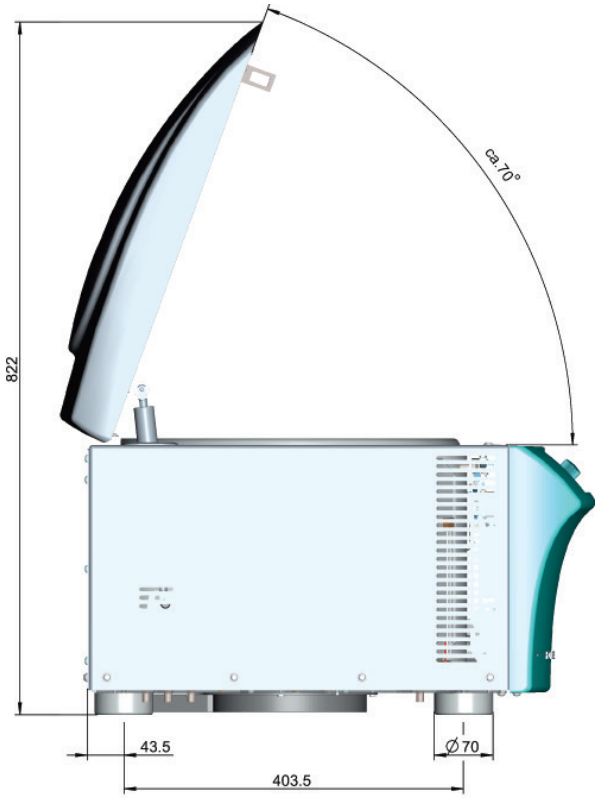
DOWNLOADS

- Operating manual – ROTINA 380 | 380 R
- Complete Range Catalogue

DIMENSIONS







WolfLabs

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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct.
If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.