

BOECO CENTRIFUGE C-28 A

The non-refrigerated microprocessor-controlled C-28 A is the ideal bench-top centrifuge for performing daily routine tasks in doctors' laboratories and small hospitals. But because of the wide range of accessories the C-28 A can also be used for sample preparation in research and industrial laboratories.

The centrifuge has a brushless frequency drive (no carbon brushes). A special locking device allows effortless opening and closing of the lid with just one hand.

Controls and displays

- ▶ During centrifugation the actual values of the parameters are indicated
- ▶ Entry of the running parameters via water-protected foil keypad
- ▶ Speed display in RPM x 100, input in steps of 100
- ▶ Time t/min: 1 - 99 min, continuous operation
- ▶ Impulse key: For short centrifugation operations

Safety

- ▶ Housing and lid of metal finished in a scratch and impact resistant coating
- ▶ Centrifuge chamber of stainless steel
- ▶ Lid locking and holding device
- ▶ See-through glass in the lid
- ▶ Emergency lid lock release
- ▶ Imbalance switch-off
- ▶ Easily exchangeable rotors
- ▶ Automatic rotor recognition

The C-28 A conforms to safety regulations such as IEC 61010 or the CE mark and all relevant EC standards and DIN norms and has been manufactured under ISO 9001:2000








Technical details

Max RPM (speed) / RCF	6000 rpm / 4.186 RCF
Noise Level	< 58 dB (A) (dependent on rotor)
Dimensions in mm	257 (H) x 366 (W) x 430 (D)
Net weight	approx 25 kg
Radio interference	EN 61000-6-3 ISM class B,
Immunity	EN 61000-6-1

Code	Description
BOE 01206-13	BOECO centrifuge C-28 A, 230-240V, 50-60 Hz, without rotor
BOE 01206-12	BOECO centrifuge C-28 A, 110-127V, 60 Hz, without rotor

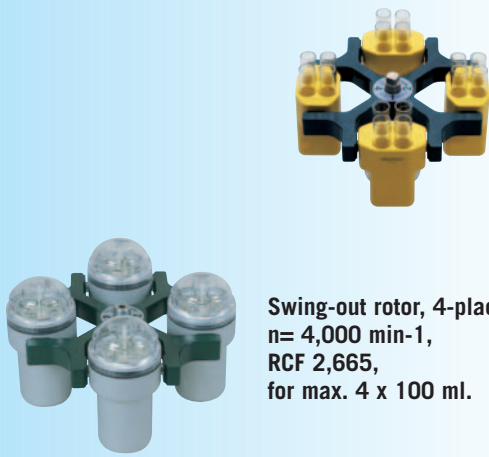


BOECO CENTRIFUGE C-28A

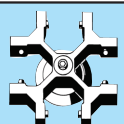




















capacity in ml	15	15	50	12	50	50
dimensions Ø x L mm	17 x 100	17 x 120	29 x 115	17 x 100	29 x 115	29 x 107
 n = 4,000 min ⁻¹ Cat.-No. 01418						
	+ 00716	+ E2109	+ E2110	+ 00716		
Cat.-No.	01467	01467	01468	01467	01468	
tubes per rotor	32	32	8	32	8	
RCF	2,540	2,594	2,486	2,540	2,486	
radius in mm	142	145	139	142	139	
run-up in sec	36					
run-down in sec	43 200					



Rotor 01418 with 01467

































**Swing-out rotor, 4-place,
n = 4,000 min⁻¹,
RCF 2,665,
for max. 4 x 100 ml.**

capacity in ml	5	9	9	15	15	20	25	45	50	50
dimensions Ø x L mm	12/13x75	14 x 100	14 x 100 13 x 90	17 x 100	17 x 100	21 x 100	24 x 100	31 x 100	34 x 100	34 x 100
										
n = 4,000 min ⁻¹										
Cat.-No. 01624			<small>use with insert 00701</small>							
Cat.-No.	01372	01370	01741	01369	01742	01346	01745	01345	01308	01746
tubes per rotor	68	20	40	16	28	8	8	4	4	4
RCF	2,164	2,308	2,415	2,308	2,415	2,361	2,415	2,361	2,290	2,415
radius in mm	121	129	135	132	129	132	137	132	128	137
run-up in sec	22									
run-down in sec	☐ 25 ☐ 110									




















- ☐ braked run-down at level 9
- ☐ unbraked run-down







































Please take care not to exceed the tubes' max. permissible RCF!

capacity in ml	1	3	5/6/7	10	9/15	25	30	50	50	85	100	15	50	1.6 - 7	4 - 10
dimensions Ø x L mm	6 x 45 rhesus	10 x 60	12 x 82/100	16 x 80	14/17 x 100	24 x 100	26 x 95	29 x 107	34 x 100	38 x 106	44 x 100	17 x 120	29 x 115	13x75/100	16x75/100
lid 01382															
Cat.-No. 01381															
Cat.-No.	01339	01343	01383	01348	01329	01330	04417	04416	01331	01396	00761	01347	01384	01383	01348
tubes per rotor	108	36	20	16	16	4	4	4	4	4	4	4	4	20	16
RCF	2,594	2,630	2,558	2,522	2,540	2,433	2,451	2,630	2,397	2,612	2,558	2,665		2,558	2,522
radius in mm	145	147	143	141	142	136	137	147	134	146	143	149		143	141
run-up in sec	30														
run-down in sec	☐ 25 ☐ 110														



**Swing-out rotor, 4-place 01324, illustrated
with suspension 01398 and adapter 01483
n = 4,000 min⁻¹, RCF 3,305,
for max. 4 x 100 ml.**










capacity ml	9	15	2,6-2,9	4-5,5	9-10	10	4-7	15	50	12	50
dimensions Ø x L mm	14x100	17x100	13x65	15x75	16-92	15-102	16 x 75	17x120	29x115	17x100	29x115
											
Cat.-No. 01398			+ 2 x 00716				+ 00716				
Cat.-No.	01482	01482	01482	01482	01482	01482	01482	01483	01484	01482	01484
tubes per rotor	16							16	4	16	4
RCF	2,522		2,272		2,522		2,397	2,612	2,576	2,522	2,576
radius in mm	141		27		141		134	146	144	141	144
run-up in sec	30										
run-down in sec	☐ 30 ☐ 220										

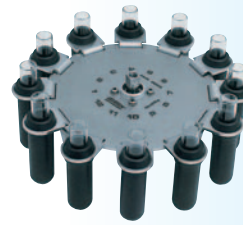
capacity ml	1.5/2.0	1	3/4	5	6/7	9/15	25	50	100	10	30	50	85	15	50	12	25	30	50	
dimensions Ø x L mm	11 x 38	6 x 45 rhesus	10x60/88	13x75	13x82/100	14/17x100	24 x 100	34 x 100	44 x 100	16x80/100	26x95	29x107	38x106	17x120	29x115	17x100	25 x 90	25x110	29x115	
lid No. 01382 biocontainment 5)																				
Cat.-No. 01390																				
Cat.-No.	01351	01339	01343	01383	01383	01329	01330	01331	00761	01348	04417	04416	01396	01356	01347	01384	06311	01363	01365	06318
tubes per rotor	20	108	36	20	20	16	4	4	4	16	4	4	4	12	4					
RCF	2,415	2,558	2,594	2,522	2,522	2,504	2,397	2,379	2,522	2,486	2,415	2,594	2,576	2,630				2,308		2,630
radius in mm	135	143	145	141	141	140	134	133	141	139	135	145	144	147				132		150
run-up in sec	30																			
run-down in sec	☐ 30 ☐ 220																			

90°










Swing-out rotor, 8-place,
n = 4,000 min⁻¹, RCF 2,415,
for 8 x 15 ml,
stainless steel,
with suspensions No. 01644,
PA, fibreglass
reinforced.

capacity in ml	5	10	10	15
dimensions Ø x L mm	12/13x75	17 x 70	13 x 100	17 x 100
				
n=4,000 min ⁻¹ Cat.-No. 01611				
Cat.-No.	01131	01132	01643	01644
tubes per rotor	8	8	8	8
RCF	1,914		2,415	
radius in mm	107		135	
run-up in sec	20			
run-down in sec	☐ 25 ☐ 144			







Swing-out rotor, 12-place,
n = 4,000 min⁻¹, RCF 2,680,
for 12 x 15 ml, stainless
steel, with suspensions No.
01621, PA, fibreglass
reinforced.

capacity in ml	5	10	15
dimensions Ø x L mm	12/13 x 75	17 x 70	17 x 100
			
n=5,000 min ⁻¹ Cat.-No. 01628			
Cat.-No.	01127	01122	01621
tubes per rotor	12	12	12
RCF	2,232	2,259	2,680
radius in mm	125	126	150
run-up in sec	16		
run-down in sec	☐ 25 ☐ 110		

45°







Swing-out rotor, 8-place,
n = 4,000 min⁻¹,
RCF 2,469,
for 8 x 50/15 ml,
stainless steel, with
suspensions, aluminium.

capacity in ml	15	50
dimensions Ø x L mm	17 x 120	29 x 115
		
n=4,000 min ⁻¹ Cat.-No. 01617		
Cat.-No.	01462A	-
tubes per rotor	8	
RCF	2,469	
radius in mm	138	
run-up in sec	22	
run-down in sec	☐ 25 ☐ 110	

90°


















Swing-out rotor, 6-place,
n = 4,000 min⁻¹,
RCF 2,701,
for 6 x 50/15ml Falcon
tubes, stainless steel, with
suspensions, PA, fibreglass
reinforced.

capacity in ml	15	50
dimensions Ø x L mm	17 x 120	29 x 115
		
n=4,000 min ⁻¹ Cat.-No. 01619		
Cat.-No.	01462A	-
tubes per rotor	6	
RCF	2,701	
radius in mm	151	
run-up in sec	22	
run-down in sec	☐ 22 ☐ 110	








Angle rotor,
Cat. No. 01620 A
6-place,
n = 6,000 min⁻¹,
max RCF 4,186.
illustrated with adapter set
01646

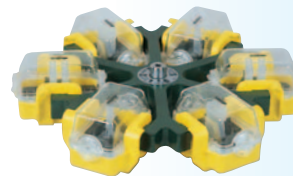
capacity in ml	10	15	30	50	50/75	85	15	50
dimensions Ø x L mm	16 x 80	17 x 100	26 x 95	29 x 107	34 x 100 35 x 105	38 x 106	17 x 120	29 x 115
								
n=6,000 min ⁻¹ Cat.-No. 01620A								
Cat.-No.	01448	01451	01447	01446	01463	-	01466	01646
tubes per rotor	12	6	6	6	6	6	6	6
RCF	3,904	3,958	3,824	4,025	4,146	4,186	3,958	
radius in mm	97	99	95	100	103	104	99	
run-up in sec	19							
run-down in sec	☐ 22 ☐ 104							

4) Adapter set, 6-place, for conical 50 ml tubes with screw cap



Angle rotor,
Cat. No. 01613
12-place,
n = 6,000 min⁻¹, max
RCF 4,146

capacity in ml	5	15	15
dimensions Ø x L mm	12/13 x 75	17 x 100	17 x 120
			
n=6,000 min ⁻¹ Cat.-No. 01613			
Cat.-No.	01054A	-	-
tubes per rotor	12	12	6
RCF	3,300	4,146	
radius in mm	86	103	
run-up in sec	13		
run-down in sec	☐ 15 ☐ 104		



Cyto rotors, 4-place and 6-place suitable for C-28 A
more information is available in a detailed cyto
brochure.

- ☐ braked run-down at level 9
- ☐ unbraked run-down

Please make sure not to exceed the
tubes max. permissible RCF. For
glass tubes the max RCF us 4.000