

## BOECO CENTRIFUGE C-28A

The non-refrigerated microprocessor-controlled C-28A 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-28A 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 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-28A conforms to safety regulations such as IEC 61010 or the EC mark and all relevant EU standards and DIN norms and has been manufactured under ISO 9001:2015

### Technical details

Max. RPM (speed) / RCF:	6,000 rpm / 4,226 RCF
Noise level:	< 58 dB(A) (dependent on rotor)
Dimensions in mm: (HxWxD)	257 x 366 x 430
Net weight:	approx. 23 kg
Emission / Immunity:	EN / IEC 61326-1 class B, FCC class B

Code	Description
BOE 01206-13	BOECO centrifuge C-28A, 208-240 V, 50/60 Hz, without rotor
BOE 01206-12	BOECO centrifuge C-28A, 100-127 V, 50/60 Hz, without rotor

capacity in ml	5	4-7	15	15	50	12	50	50
dimensions Ø x L mm	12 x 75	13 x 100	17 x 100	17 x 120	29 x 115	17 x 100	29 x 115	29 x 107
								
n=4,000 min <sup>-1</sup> Cat.-No. 01418								
Cat.-No.	01467	01467	01467	01467	01468	01467	01467	01468
tubes per rotor	32	32	32	32	8	32	32	8
RCF	2,182	2,612	2,540	2,594	2,486	2,540	2,540	2,486
radius in mm	122	146	142	145	139	142	142	139
run-up in sec	36							
run-down in sec. <sup>2)</sup>	43							



BOECO CENTRIFUGE C-28A



ROTOR 01418 WITH 01467

Swing-out rotor 01624, 4-place, illustrated with carriers 01369  
 n= 4,000 min<sup>-1</sup>,  
 max RCF 2,665,  
 max. cap. 4 x 100 ml.



90°

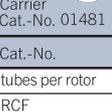


Swing-out rotor, 4-place, 01624 illustrated with carriers 01481 and lids 01492 with bio-containment

capacity in ml	5	4-7	9	9	15	15	1,6 - 7	20	25	45	50
dimensions Ø x L mm	12/13x75	13x100	14x100	14x100	17x100	17x100	12/13x75 16x75	21x100	24x100	31x100	34x100
 n=4,000 min <sup>-1</sup> rotor Cat.-No. 01624											
											
Cat.-No.	01372	01739	01370	01741	01369	01742	01742	01346	01745	01345	01746
tubes per rotor	68	28	20	40	16	28	28	8	8	4	4
RCF	2,164	2,451	2,308	2,415	2,308	2,415	2,325	2,361	2,451	2,361	2,451
radius in mm	121	137	129	135	129	137	130	132	137	132	137
run-up in sec	22										
run-down in sec. <sup>2)</sup>	25										

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

2) braked run-down

capacity in ml	1	3	5/6/7	4-10	9/15	25	30	50	50	85	100	15	50	1,6 - 7	4 - 10
dimensions Ø x L mm	6x45 rhesus	10 x 60	12 x 75-100	16x75/100	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 with bio-containment 01492   Carrier Cat.-No. 01481															
															
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	2,415	2,612	2,558	2,665		2,558	2,522
radius in mm	145	147	143	141	142	136	137	147	135	146	143	149		143	141
run-up in sec	22														
run-down in sec. <sup>2)</sup>	25														



Swing-out rotor, 4-place 01324, illustrated with carrier 01398 and adapter 01483A

n= 4,000 min<sup>-1</sup>, max RCF 2,522

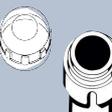
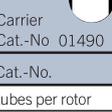
90°

capacity ml	5-7	9	15	2,6-3,4	4-5,5	9-10	10	4-7	15	50	12	50
dimensions Ø x L mm	12x75/82/100	14x100	17x100	13x65	15x75	16x92	15x102	16 x 75	17x120	29x115	17x100	29x115
 n=4,000 min <sup>-1</sup> rotor Cat.-No. 01324   Carrier Cat.-No. 01398												
												
Cat.-No.	01486	01482A	01486	01482A	01482A	01482A	01482A	01482A	01483A	01484	01482A	01484
tubes per rotor	20	16	20	16	16	16	16	16	16	4	16	4
RCF	2,486	2,522	2,486	2,272	2,522	2,397	2,612	2,397	2,612	2,576	2,522	2,576
radius in mm	139	141	139	127	141	134	146	134	146	144	141	144
run-up in sec	27											
run-down in sec. <sup>2)</sup>	30											



Swing-out rotor, 4-place 01324, illustrated with carrier 01490 and lids 01492

n= 4,000 min<sup>-1</sup>, max RCF 2,630 for max. 4 x 100 ml

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	12x75	12x82/100	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. 01492 biocontainment <sup>2)</sup>   Carrier Cat.-No. 01490																				
																				
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			129	147		
run-up in sec	27																			
run-down in sec. <sup>2)</sup>	30																			

90°



Swing-out rotor, 8-place,  
for 8 x 15 ml,  
n = 4,000 min<sup>-1</sup>, RCF 2,415  
Stainless steel, with  
suspensions No. 01644, PA, fib-  
reglass reinforced.

capacity in ml	5	4-7	10	15
dimensions Ø x L mm	12/13x75	17 x 70	13 x 100	17 x 100
				
n=4,000 min <sup>-1</sup> Cat.-No. 01611				
Cat.-No.	01131-A	01132-A	01643	01644
tubes per rotor	8	8	8	8
RCF	1,914		2,415	
radius in mm	107		135	
run-up in sec	22			
run-down in sec. <sup>2)</sup>	25			



Swing-out rotor, 12-place,  
for 12 x 15 ml  
n = 4,000 min<sup>-1</sup>, RCF 2,683,  
Stainless steel, with suspensions  
No. 01621, PA, fiberglass rein-  
forced.

capacity in ml	5	4-7	15
dimensions Ø x L mm	12/13 x 75	15/16 x 75	17 x 100
			
n=4,000 min <sup>-1</sup> Cat.-No. 01628			
Cat.-No.	01127-A	01122	01621
tubes per rotor	12	12	12
RCF	2,236	2,254	2,683
radius in mm	125	126	150
run-up in sec	22		
run-down in sec. <sup>2)</sup>	25		

45°



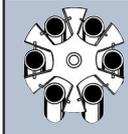
Swing-out rotor, 8-place,  
for 8 x 50/15 ml Falcon tubes  
n = 4,000 min<sup>-1</sup>, RCF 2,469  
stainless steel, with  
suspensions, aluminium.

capacity in ml	15	50
dimensions Ø x L mm	17 x 120	29 x 115
		
n=4,000 min <sup>-1</sup> 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. <sup>2)</sup>	25	

90°



Swing-out rotor, 6-place,  
for 6 x 50/15 ml Falcon tubes  
n = 4,000 min<sup>-1</sup>, RCF 2,701,  
Stainless steel, with suspensions,  
PA, fiberglass reinforced.

capacity in ml	15	50
dimensions Ø x L mm	17 x 120	29 x 115
		
n=4,000 min <sup>-1</sup> Cat.-No. 01619		
Cat.-No.	01462-A	—
tubes per rotor	6	
RCF	2,701	
radius in mm	151	
run-up in sec	22	
run-down in sec. <sup>2)</sup>	25	

35°



Angle rotor, 6-place,  
Cat. No. 01620»  
n = 6,000 min<sup>-1</sup>,  
max. RCF 4,226  
illustrated with adapter set 01646

capacity in ml	10	15	30	50	50	85	15	50
dimensions Ø x L mm	16 x 80	17 x 100	26 x 95	29 x 107	34 x 100	38 x 106	17 x 120	29 x 115
								
n=6,000 min <sup>-1</sup> 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	3,904	3,824	4,025	4,146	4,226	3,985	
radius in mm	97	97	95	100	103	105	99	
run-up in sec	19							
run-down in sec. <sup>2)</sup>	22							

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

35°



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

capacity in ml	1,6-5	4-7	8,5-10	15	15
dimensions Ø x L mm	12/13 x 75	13 x 100	16 x 100	17 x 100	17 x 120
					
n=6,000 min <sup>-1</sup> Cat.-No. 01613					
Cat.-No.	01054-A	01058	—	—	—
tubes per rotor	12	12	12	12	6
RCF	3,300		4,146		
radius in mm	86		103		
run-up in sec	13				
run-down in sec. <sup>2)</sup>	15				



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

2) Braked run down in sec.

Please make sure not to exceed the tubes  
max. permissible RCF. For glass tubes the  
max. RCF is 4,000