



Centrifuge

LIFE SCIENCE

Alpinum Prazision Austria GmbH & Co. KG

– Life Science –

Carnis24/Carnis24R High Speed Centrifuge

Features Carnis24

1. Max. rotor capacity: 24×1.5/2.0ml
2. 3 different rotors are available
3. Max. speed: 14,680 rpm (21,400 × g)
4. Safe and reliable, various safety protections with CE safety standard
5. Soft-brake function to protect sensitive samples
6. Separate short-spin key for quick centrifugation
7. Automatic lid opening at the end of run - prevents sample warming and allows easy access to samples
8. Can be used in cold room

Features Carnis24R

1. Max. rotor capacity: 24×1.5/2.0ml
2. 3 different rotors are available
3. Max. speed: 14,680 rpm (21,400 × g)
4. Temperature range from -10°C to +40°C
5. FastTemp for rapid pre-cooling of the centrifuge, less than 15min from 20°C to 4°C
4. Safe and reliable, various safety protections with CE safety standard
5. Soft-brake function to protect sensitive samples
6. Separate short-spin key for quick centrifugation
7. Continuous cooling keeps temperature constant, if no centrifugation takes place and the lid remains closed



Carnis24



Carnis24R
Powerful refrigeration capacity

Specification

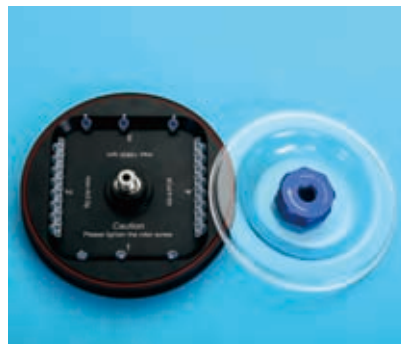
Model	Carnis24	Carnis24R
Speed (rpm)	500-15000rpm (increment 100rpm)	500-15000rpm (increment 100rpm)
Acceleration time	15s	15s
Deceleration time	15s	15s
Max. Capacity	24 x 1.5ml/2.0ml	24 x 1.5ml/2.0ml
Number of Rotors	3	3
Max. RCF	21,400 x g	21,400 x g
Soft braking function	YES	YES
Temperature control @ 4°C	----	±2°C
From 20°C to 4°C	----	≤15min
Temperature range	----	-10°C to +40°C
Max. Power	350W	500W
Dimensions (D x W x H) mm	260 × 410 × 225 mm	300 × 500 × 320 mm
Weight with one rotor	14kg	28kg
Timer	1s-99min59s (Short-spin)	1s-99min59s (Short-spin)
Power supply	AC220-240V, 60Hz	AC220-240V, 60Hz

Ordering information

No.	Code	Description
01	AS-08120-00	Carnis24 High speed centrifuge, AC220-240V, 60Hz
02	AS-08130-00	Carnis24R High speed refrigerated centrifuge, AC220-240V, 60Hz
03	AS-08121-01	24×1.5ml/2.0ml rotor
04	AS-08121-02	4-8×0.2ml PCR strip rotor
05	AS-08121-03	12×5ml rotor
06	AS-08041-01	Adapters for 0.5 - 0.6ml tubes
07	AS-08041-02	Adapters for 0.2ml tubes



24 × 1.5ml/2.0ml rotor



4-8 × 0.2ml PCR strip rotor



12 × 5ml rotor

CarnisMini-15K High Speed Centrifuge

Features

1. Extremely quiet operation and easy-to-follow LCD display
2. Capacity: 12 x 1.5/2.0ml tubes
3. Low sample heating (only 12°C after 30min, at max.speed)
4. Autoclavable rotor (121°C, 20min), and includes standard rotor made of anodized aluminum
5. RPM/RCF setting as required
6. Timer can be set up to 99min
7. The small size of the unit makes it convenient for benchtop use or in a hood or in refrigerated environments



01
Operation interface



02
Rotor



CarnisMini-15K

Specification

Model	CarnisMini-15K
Max. rotational speed	14,500rpm
Max. RCF	14,000 x g
Timer	20sec-99min
Acceleration time to max. speed	15s
Braking time from max. speed	15s
Dimensions (D×W×H)mm	270 × 230 × 155mm
Power	100W

Ordering information

Code	Description
AS-08110-00	CarnisMini-15K High speed centrifuge, 60Hz, 3A

Accessories

Code	Description
AS-08041-01	Adapters for 0.5 ml tubes
AS-08041-02	Adapters for 0.2 ml tubes

CarnisMini-6KC/6KS/6KT and CarnisMini-6K/7K/10K Mini Centrifuge

Features

1. Composite shell, shatter-resistant
 2. The electronic braking system for rapid sample processing
 3. Quick release rotor tub, allows for easy rotor exchange
 4. CarnisMini-6KC / CarnisMini-6KS / CarnisMini-6KT
 - Two speed options: 4,000 & 6,000rpm
 - . CarnisMini-6KC include 2 quick release interchangeable rotors
 - 8x1.5/2.0ml tube rotor, --4 place PCR Strip rotor
 - . CarnisMini-6KS: 3-in-1 rotor design, high capacity and time-saving
 - 6x1.5/2.0ml tubes, --6x0.5ml tubes, --2-8x0.2ml PCR strip tubes
 - . CarnisMini-6KT: Patented rotor design for 48-well 50ul PCR plate
- Optional rotor: 4x5ml Eppendorf tube



CarnisMini-6KC



CarnisMini-6KS
Patented 3-in-1 rotor design



CarnisMini-6KT



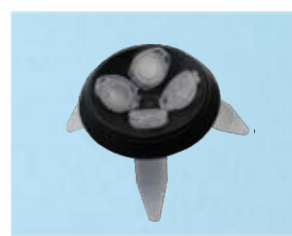
05
CarnisMini-6KT 48-well
50ul PCR plate rotor



01
CarnisMini-6KC quick
release rotor



02
CarnisMini-6KS
3-in-1 rotor



03
CarnisMini-6KT
4x5ml tube rotor



04
CarnisMini-6KC/CarnisMini-6KS
/CarnisMini-6KT
Two speed options



CarnisMini-6K / CarnisMini-7K / CarnisMini-10K

Specification

Model	CarnisMini-6K	CarnisMini-7K	CarnisMini-10K	CarnisMini-6KC	CarnisMini-6KS	CarnisMini-6KT
Rotor	6x1.5ml/2.0ml rotor 2x8x0.2ml strip rotor	6x1.5ml/2.0ml rotor 2x8x0.2ml strip rotor	6x1.5ml/2.0ml rotor	8x1.5ml/2.0ml rotor 4x8x0.2ml strip rotor	3-in-1rotor (*)	48-well 50ul PCR rotor or 5x5ml tube rotor
Speed	6,000rpm	7,000rpm	10,000rpm	4,000 & 6,000rpm	4,000 & 6,000rpm	4,000 & 6,000rpm
Max.RCF	2,000 x g	2,300 x g	5,000 x g	1,200 & 2,000 x g	1,200 & 2,000 x g	1,200 & 2,000 x g
Dimensions	175x148x118mm	175x148x118mm	175x148x118mm	135x147x120mm	135x127x120mm	135x147x120mm
Weight	0.7kg	0.7kg	0.7kg	0.7kg	0.7kg	0.7kg
Power	AC220-240V	AC220-240V	AC220-240V	AC220-240V	AC220-240V	AC220-240V

*3-in-rotor ---- 6x1.5/2.0ml, 6x0.5ml tubes and 2-8x0.2ml PCR strip rotor

Ordering information

No.	Code	Description
01	AS-08060-00	CarnisMini-6K, AC220-240V, 60Hz
02	AS-08070-00	CarnisMini-7K, AC220-240V, 60Hz
03	AS-08080-00	CarnisMini-10K, AC220-240V, 60Hz
04	AS-08020-00	CarnisMini-6KC, AC220-240V, 60Hz
05	AS-08030-00	CarnisMini-6KS, AC220-240V, 60Hz
06	AS-08100-00	CarnisMini-6KT, AC220-240V, 60Hz

Accessories

CarnisMini-6K/CarnisMini-7K/CarnisMini-10K		CarnisMini-6KC		CarnisMini-6KS	
AS-08061-01	Allen wrench	AS-08021-01	8 x 1.5/2.0ml rotor	AS-08031-01	6x1.5/2.0ml, 6x0.5ml tubes & 2-8x0.2ml PCR Strip rotor
AS-08061-02	6 x 1.5/2.0ml rotor	AS-08021-02	4 x 8 x 0.2ml strip rotor		
AS-08061-03	2 x 8 x 0.2ml strip rotor	AS-08061-05	Adapters for 0.5/0.6ml tubes	CarnisMini-6KT	
AS-08061-04	Slide rotor	AS-08061-06	Adapters for 0.2ml tubes	AS-08101-01	48 well 50ul PCR plate rotor
AS-08061-05	Adapters for 0.5/0.6ml tubes			AS-08101-02	4x5ml tubes rotor
AS-08061-06	Adapters for 0.2ml tubes			AS-08101-03	Adapter for 5ml normal tubes

CarnisMPC-25/CarnisMini-P25 Mini-Plate Centrifuge

Features for CarnisMPC-P25

1. Unique design for the horizontal rotor centrifuge (Patented)
2. Short-spin and timing of two operations make the tests more convenient
3. Braking time from max.speed: less than 30sec
4. Timer can be set up to 10 minutes
5. Streamline design with more compact shape and transparent PC lid
6. It can accept below formats:
 - PCR standard plates with skirted, non-skirted
 - Elisa Plates
 - 8x0.2ml PCR strip tubes
 - 0.2ml PCR tubes

CarnisMPC-P25



01 CarnisMPC-P25 Operation



■ PCR plates



■ Elisa plates



■ 2pcs PCR plates with skirt
or without skirt



■ 8 × 0.2ml PCR strip tubes

Specification

Model	CarnisMPC-P25
Max. rotational speed	2,200rpm
Max. RCF	480 x g
Capacity	2pcs PCR plates / Elisa plate / 8x0.2ml PCR strip tubes / 0.2ml PCR tubes
Weight	3.6kg
Dimensions (W x D x H)mm	290 x 360 x 140mm
Power supply	AC220-240V, 60Hz

02

CarnisMPC-P25

Adaptor for PCR plates with skirt and without skirt



03

CarnisMPC-P25

Adaptor for 8x0.2ml strip or 0.2ml PCR tubes



Ordering information

No.	Code	Description
01	AS-08090-00	CarnisMPC-P25 Mini-Plate Centrifuge, AC220-240V, 60Hz
02	AS-08091-01	Adaptor for PCR plates with skirt and without skirt
03	AS-08091-02	Adaptor for 8x0.2ml strip or 0.2ml PCR tubes

CarnisMini-P25



Features for CarnisMini-P25

1. Quickly spin down droplets
2. Use before and after thermal cycling to increase PCR yield
3. Accepts skirted, non-skirted and all standard PCR plates
4. Less than 1/4 the size of most plate centrifuges

Specification

Model	CarnisMini-P25
Max. rotational speed	2,500rpm
Max. RCF	500 x g
Capacity	2pcs PCR plate
Weight	2.1kg
Dimensions (W x D x H)mm	190 x 220 x 186
Powe supply	AC220-240V, 60Hz

Ordering information

No.	Code	Description
01	AS-08010-00	CarnisMini-P25 Mini-Plate Centrifuge