

Rotors for Centrifuge 5424/5424 R



Rotor FA-45-24-11

- > Max. speed: 21,130 × g (15,000 rpm)
- > Max. capacity: 24 × 1.5/2.0 mL tubes
- > Aerosol-tight for safe centrifugation of hazardous samples



Rotor FA-45-24-11-Special

- > Max. speed: 21,130 × g (15,000 rpm)
- > Max. capacity: 24 × 1.5/2.0 mL tubes
- > Aerosol-tight for safe centrifugation of hazardous samples
- > PTFE coating for increased chemical resistance



Rotor F-45-18-11-Kit

- > Max. speed: 18,111 × g (15,000 rpm)
- > Max. capacity: 18 × spin columns or 1.5/2.0 mL tubes
- > Extended rim that protects tube caps from shearing off



Rotor F-45-32-5-PCR

- > Max. speed: 18,615 × g (15,000 rpm)
- > Max. capacity: 4 × PCR strips

Ordering information

Description	Order no.
Rotor FA-45-24-11, aerosol-tight	5424 702.007
Rotor FA-45-24-11-Special, aerosol-tight	5424 700.004
Rotor F-45-18-11-Kit	5424 706.002
Rotor F-45-32-5-PCR	5424 704.000
Adapter, for 1 tube 0.5 mL, max. Ø 6 mm or microtainer 0.6 mL, max. Ø 8 mm, for all 1.5/2.0 mL rotors, set of 6 pcs.	5425 716.001
Adapter, for 1 tube 0.4 mL, max. Ø 6 mm, for all 1.5/2.0 mL rotors, set of 6 pcs.	5425 717.008
Adapter, for 1 PCR tube 0.2 mL, max. Ø 6 mm, for all 1.5/2.0 mL rotors, set of 6 pcs.	5425 715.005

Centrifuge 5427 R



Description

The Centrifuge 5427 R was designed with high-throughput research applications in mind. With its aerosol-tight 48-place rotor it handles even the toughest challenges in a safe and reliable manner to provide you the efficiency boost you need. All aerosol-tight rotors, including the new rotors for Eppendorf Tubes® 5.0 mL as well as the 24 × 1.5/2.0 mL swing-bucket rotor are equipped with the Eppendorf QuickLock® lids for easy rotor lid opening and closing. Choose the Centrifuge 5427 R if a 24-place microcentrifuge (e.g. our Centrifuge 5424 R) doesn't meet your needs regarding tube capacity and if you don't need the extra versatility our cross-over Centrifuge 5430 R can offer you.

Product features

- > Rotor capacity: 48 × 1.5/2.0 mL, 12 × 5.0 mL; Eppendorf QuickLock® rotor allows for fast and ergonomic lid locking
- > Max. speed: 25,000 × g (16,220 rpm)
- > High capacity 48-place rotor significantly increases productivity to save you valuable time
- > Whisper quiet operation due to optimized sound design
- > Soft touch one-finger closure for ergonomic operation
- > Temperature range from -10 °C to 40 °C
- > FastTemp™ function for quick pre-cooling of the centrifuge, e.g., from ~ 23 °C to 4 °C in only 11 minutes
- > ECO shut-off can be programmed to engage after 1, 2, 4 or 8 hours of non-use for maximum energy savings and extended compressor life
- > Built-in condensation drain to eliminate water accumulation
- > Automatic imbalance detection

Centrifuge 5427 R

Technical specifications	
Model	5427 R
Max. RCF	25,000 × g
Max. speed	16,220 rpm
Max. capacity	48 × 1.5/2.0 mL
Rotors available	9
Acceleration time	18 s
Deceleration time	18 s
Timer	10 s to 9:59 h
Noise level	< 46 dB(A) with Rotor F-45-48-11
Max. power consumption	550 W
Dimensions (W × D × H)	31.9 × 54.0 × 25.4 cm
Weight w/o accessories	30 kg
Cooling	refrigerated
Temperature control range	-11 °C to 40 °C

Ordering information

Description	Order no.
Centrifuge 5427 R, refrigerated, rotary knobs, 230 V/50 – 60 Hz	5409 000.012
Centrifuge 5427 R, refrigerated, with Rotor FA-45-30-11, rotary knobs, 230 V/50 – 60 Hz	5409 000.535
Centrifuge 5427 R, refrigerated, with Rotor FA-45-48-11, rotary knobs, 230 V/50 – 60 Hz	5409 000.217
Centrifuge 5427 R, refrigerated, with Rotor FA-45-12-17, rotary knobs, 230 V/50 – 60 Hz	5409 000.632

✂ Ordering information for other voltage options begins on page 478



Watch video clips of Centrifuge 5427 R on our dedicated mobile website or www.eppendorf.com/centrifugation



Have look at our White Paper No. 14 on our website or directly with this QR Code!



www.eppendorf.com/whitepaper14

i For more information go to www.eppendorf.com/centrifugation

Technical specifications subject to change.

Rotors for Centrifuge 5427 R

**Rotor F-45-48-11**

- > Max. speed: 18,210 × g (12,700 rpm)
- > Max. capacity: 48 × 1.5/2.0 mL tubes

**Rotor FA-45-48-11**

- > Max. speed: 18,210 × g (12,700 rpm)
- > Max. capacity: 48 × 1.5/2.0 mL tubes
- > Aerosol-tight with Eppendorf QuickLock® lid

**Rotor FA-45-30-11**

- > Max. speed: 20,800 × g (14,000 rpm)
- > Max. capacity: 30 × 1.5/2.0 mL tubes
- > Aerosol-tight with Eppendorf QuickLock® lid

**Rotor F-45-30-11**

- > Max. speed: 20,800 × g (14,000 rpm)
- > Max. capacity: 30 × 1.5/2.0 mL tubes

**Rotor FA-45-24-11**

- > Max. speed: 25,000 × g (16,220 rpm)
- > Max. capacity: 24 × 1.5/2.0 mL tubes
- > Aerosol-tight with Eppendorf QuickLock® lid

**Rotor FA-45-24-11-Kit**

- > Max. speed: 19,100 × g (13,200 rpm)
- > Rotor with higher edge for safe centrifugation of up to 24 spin columns
- > Aerosol-tight with Eppendorf QuickLock® lid

Rotors for Centrifuge 5427 R



Rotor S-24-11-AT

- > Max. speed: 16,049 × g (12,700 rpm)
- > Swing-bucket rotor for 24 × 1.5/2.0 mL tubes
- > Aerosol-tight with Eppendorf QuickLock® lid
- > Perfect for phase-separation applications such as phenol-chloroform extraction



Rotor FA-45-12-17

- > Max. speed: 20,600 × g (14,000 rpm)
- > Max capacity: 12 × Eppendorf Tubes® 5.0 mL
- > Aerosol-tight with Eppendorf QuickLock® lid



Rotor F-45-48-5-PCR

- > Max. speed: 11,710 × g (10,500 rpm)
- > PCR strip rotor for up to 48 × 0.2 mL PCR tubes

Ordering information

Description	Order no.
Rotor FA-45-48-11, incl. rotor lid, aerosol-tight	5409 710.001
Rotor F-45-48-11, incl. rotor lid	5409 712.004
Rotor FA-45-30-11, incl. rotor lid, aerosol-tight	5409 706.004
Rotor F-45-30-11, incl. rotor lid	5409 708.007
Rotor FA-45-24-11, incl. rotor lid, aerosol-tight	5409 702.009
Rotor FA-45-24-11-Kit, incl. rotor lid, aerosol-tight	5409 704.001
Rotor S-24-11-AT, incl. wind shield and rotor lid	5409 715.003
Rotor F-45-48-5-PCR	5409 714.007
Rotor FA-45-12-17, incl. rotor lid, for 12 Eppendorf Tubes® 5.0 mL	5409 700.006
Adapter, for 1 vessel 1.5 – 2.0 mL, for Rotors FA-45-12-17, FA-45-16-17 and FA-45-20-17, set of 4 pcs.	5820 768.002
Adapter, for 1 cryo tube, for Rotors FA-45-12-17, FA-45-16-17 and FA-45-20-17, set of 4 pcs.	5820 769.009
Adapter, for 1 HLPC tube, for Rotors FA-45-12-17, FA-45-16-17 and FA-45-20-17, set of 4 pcs.	5820 770.007
Adapter, for 1 tube 0.5 mL, max. Ø 6 mm or microtainer 0.6 mL, max. Ø 8 mm, for all 1.5/2.0 mL rotors, set of 6 pcs.	5425 716.001
Adapter, for 1 tube 0.4 mL, max. Ø 6 mm, for all 1.5/2.0 mL rotors, set of 6 pcs.	5425 717.008
Adapter, for 1 PCR tube 0.2 mL, max. Ø 6 mm, for all 1.5/2.0 mL rotors, set of 6 pcs.	5425 715.005

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Technical specifications subject to change.

Centrifuge 5430/5430 R



Description

Unique cross-over Centrifuge 5430 and 5430 R combine the best features of a microcentrifuge (small footprint) and multipurpose centrifuge (versatility) in one instrument. These centrifuges spin rotors for Eppendorf tubes and PCR strips as you would expect from any microcentrifuge. But that's not all. In a compact size, Centrifuge 5430 and 5430 R also accommodate rotors for microplates and 15/50 mL conical tubes. Now, the rotor program has been expanded with additional Eppendorf QuickLock® rotors. This includes 48-place rotors (1.5/2.0 mL), a 16-place rotor for Eppendorf Tubes® 5.0 mL and a swing-bucket rotor (24 × 1.5/2.0 mL). With their unmatched versatility, Centrifuge 5430 and Centrifuge 5430 R are the flagship products among the Eppendorf microcentrifuge portfolio.

Technical specifications

Model	5430	5430 R
Max. RCF	30,130 × g	30,130 × g
Max. speed	17,500 rpm	17,500 rpm
Max. capacity	48 × 1.5/2.0 mL, 6 × 50 mL, 2 × MTP	48 × 1.5/2.0 mL, 6 × 50 mL, 2 × MTP
Rotors available	12	12
Acceleration time	14 s	14 s
Deceleration time	15 s	15 s
Timer	30 s to 99:59 h, with continuous run function	30 s to 99:59 h, with continuous run function
SOFT brake function	yes	yes
Noise level	< 58 dB(A) with Rotor F-45-30-11	< 54 dB(A) with Rotor F-45-30-11
Max. power consumption	475 W	1,050 W
Dimensions (W × D × H)	33 × 42 × 25 cm	38 × 64 × 29 cm
Height (with open lid)	56 cm	63 cm
Weight w/o accessories	29 kg	56 kg
Cooling	non-refrigerated	refrigerated
Temperature control range		-11 °C to 40 °C

Product features

- > Max. rotor capacity: 48 × 1.5/2.0 mL, 6 × 50 mL, 2 × MTP
- > Max. speed: 30,130 × g (17,500 rpm)
- > Remarkable versatility with 12 different rotors
- > Soft-touch one-finger lid closure for ergonomic operation
- > Menu-driven, multi lingual operation menu (English, German, French, Spanish) with large backlit display
- > 5 program keys for easy access to routine programs
- > Saves up to 50 user-defined programs
- > Automatic imbalance detection
- > Eppendorf QuickLock® – System for quickly opening and closing the rotor lid

Special features for Centrifuge 5430 R

- > Temperature range: -11 °C to +40 °C
- > The patented compressor technology reduces vibrations and protects your samples
- > Continuous cooling maintains a constant temperature after the run has been completed – your samples stay cool
- > FastTemp pro® function for programmable pre-cooling according to day and time
- > ECO shut-off engages after 8 hours of nonuse to reduce energy consumption (37 % overnight) and extend compressor life (can be deactivated in menu)
- > Built-in condensation drain to eliminate water accumulation

Your local distributor: www.eppendorf.com/contact

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