

## Centrifuges 5430/ 5430 R



### Description

Unique cross-over Centrifuges 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, Centrifuges 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 x 1.5/2.0 mL). With their unmatched versatility, Centrifuges 5430 and 5430 R are the flagship products among the Eppendorf microcentrifuge portfolio.

### Product features

- > Max. rotor capacity: 48 x 1.5/2.0 mL, 6 x 50 mL, 2 x MTP
- > Max. speed: 30,130 x 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 non use to reduce energy consumption (37 % overnight) and extend compressor life (can be deactivated in menu)
- > Built-in condensation drain to eliminate water accumulation

**i** For more information go to [www.eppendorf.com/centrifugation](http://www.eppendorf.com/centrifugation)



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

#### Ordering information

Description	Order no.
<b>Centrifuge 5430</b> , with Rotor FA-45-30-11 incl. rotor lid	
keypad, 230 V/50 – 60 Hz	5427 000.216
rotary knobs, 230 V/50 – 60 Hz	5427 000.410
<b>Centrifuge 5430</b> , without rotor	
keypad, 230 V/50 – 60 Hz	5427 000.011
rotary knobs, 230 V/50 – 60 Hz	5427 000.615
<b>Centrifuge 5430 R</b> , refrigerated, with Rotor FA-45-30-11 incl. rotor lid	
keypad, 230 V/50 – 60 Hz	5428 000.015
rotary knobs, 230 V/50 – 60 Hz	5428 000.414
<b>Centrifuge 5430 R</b> , refrigerated, without rotor	
keypad, 230 V/50 – 60 Hz	5428 000.210
rotary knobs, 230 V/50 – 60 Hz	5428 000.619

✎ Ordering information for other voltage options begins on page 484

## Rotors for Centrifuge 5430/ 5430 R



### Rotor FA-45-48-11

- > Max. speed: 18,210 x g (12,700 rpm)
- > Max. capacity: 48 x 1.5/2.0 mL tubes
- > Aerosol-tight for safe centrifugation of hazardous samples
- > Eppendorf QuickLock® lid



### Rotor F-45-48-11

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



### Rotor S-24-11-AT

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



### Rotor FA-45-16-17

- > Max. speed: 21,191 x g (14,200 rpm)
- > Max. capacity: 16 x Eppendorf Tubes® 5.0 mL
- > Aerosol-tight for safe centrifugation of hazardous samples
- > Eppendorf QuickLock® lid



#### Rotor FA-45-30-11

- > Max. speed: 20,817 x g (14,000 rpm)
- > Max. capacity: 30 x 1.5/2.0 mL tubes
- > Aerosol-tight for safe centrifugation of hazardous samples
- > PTFE coating for increased chemical resistance
- > NEW: Eppendorf QuickLock® lid



#### Rotor FA-45-24-11-Kit

- > Max. speed: 19,090 x g (13,200 rpm)
- > Rotor with higher edge for safe centrifugation of up to 24 spin columns
- > Aerosol-tight for safe centrifugation of hazardous samples
- > NEW: Eppendorf QuickLock® lid



#### Rotor F-45-30-11

- > Max. speed: 20,817 x g (14,000 rpm)
- > Max. capacity: 30 x 1.5/2.0 mL tubes
- > PTFE coating for increased chemical resistance



#### Rotor FA-45-24-11-HS

- > Max. speed: 30,130 x g (17,500 rpm)
- > Max. capacity: 24 x 1.5/2.0 mL tubes
- > Extremely fast separation results
- > Aerosol-tight for safe centrifugation of hazardous samples
- > PTFE coating for increased chemical resistance

## Rotors for Centrifuge 5430/ 5430 R



### Rotor F-35-6-30

- > Max. speed: 7,745 x g (7,830 rpm)
- > Rotor for 6 x 15/50 mL conical or 12 x Vacutainer® tubes



### Rotor A-2-MTP

- > Max. speed: 2,204 x g (4,680 rpm)
- > 2-place swing-bucket rotor for MTP, PCR and deepwell plates
- > Windshield design for whisper quiet operation



### Rotor F-45-64-5-PCR

- > Max. speed: 13,543 x g (11,800 rpm)
- > PCR strip rotor for up to 48 x 0.2 mL PCR tubes



### Rotor F-45-18-17-Cryo

- > Max. speed: 8,324 x g (8,900 rpm)
- > 18-place rotor for Cryovials® and HPLC tubes

i For more information go to [www.eppendorf.com/centrifugation](http://www.eppendorf.com/centrifugation)

## Ordering information

Description	Order no.
<b>Rotor FA-45-16-17</b> , incl. rotor lid	5427 750.002
<b>Rotor FA-45-48-11</b> , incl. rotor lid	5427 754.008
<b>Rotor F-45-48-11</b> , incl. rotor lid	5427 755.004
<b>Rotor S-24-11-AT</b> , incl. rotor lid	5427 757.007
<b>Rotor FA-45-30-11</b> , incl. rotor lid	5427 753.001
<b>Rotor FA-45-24-11-Kit</b> , incl. rotor lid	5427 752.005
<b>Rotor F-45-30-11</b> , incl. rotor lid	5427 712.003
<b>Rotor FA-45-24-11-HS</b> , incl. rotor lid	5427 710.000
<b>Rotor F-35-6-30</b> , incl. rotor lid, with adapter for 15 mL/50 mL conical tubes	5427 716.009
<b>Rotor A-2-MTP</b> , incl. wind shield and rotor lid, with 2 buckets	5427 700.005
<b>Rotor F-45-64-5-PCR</b> , incl. rotor lid and adapters	5427 714.006
<b>Rotor F-45-18-17-Cryo</b> , incl. rotor lid and adapters	5427 705.007
<b>Adapter</b> , for 1 cryo containers (max. Ø 13 mm) or lidded centrifugation tubes (Ø 12.2 mm), max. length 50 mm, for Rotor F-45-18-17-Cryo, set of 6 pcs.	5702 752.002
<b>Adapter</b> , 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
<b>Adapter</b> , 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
<b>Adapter</b> , for 1 HPLC tube, for Rotors FA-45-12-17, FA-45-16-17 and FA-45-20-17, set of 4 pcs.	5820 770.007
<b>Adapter</b> , for 1 tube 0.5 mL, max. Ø 6 mm or microtainer 0.6 mL, max. Ø 6 mm, for all 1.5/2.0 mL rotors, set of 6 pcs.	5425 716.001
<b>Adapter</b> , 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
<b>Adapter</b> , for 1 HPLC vessel 1.5 mL, for Rotor F-45-18-17-Cryo	5427 708.006
<b>Adapter</b> , 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

## Adapter options 6 x 15/50 mL conical tube rotor

Adapter	Rotor capacity <sup>3)</sup>	Max. tube dimensions Ø x L	Max. RCF	For bore hole	Order no. <sup>4)</sup>
13 mm round	12	13 x 65 – 89 mm	6,443 x g	small	5427 740.007
			6,100 x g	large	5427 742.000
13 mm round	12	13 x 90 – 110 mm	7,471 x g	small	5427 741.003
			7,129 x g	large	5427 743.006
16 mm round	12	16 x 75 – 105 mm	7,005 x g	small	5427 732.004
			7,005 x g	large	5427 734.007
17 mm round	12	17 x 90 – 125 mm	7,745 x g	small	5427 735.003
			7,403 x g	large	5427 738.002
Eppendorf Tubes® 5.0 mL	12	17.5 x 80 mm	6,237 x g	small	5427 746.005
			7,129 x g	large	5427 747.001
15 mL conical	6	17.5 x 100 – 125 mm	7,540 x g	small	5427 726.004
30 mL round	6	26 x 92 – 112 mm	7,087 x g	large	5427 736.000
50 mL round	6	29 x 95 – 125 mm	7,581 x g	large	5427 737.006
50 mL conical	6 <sup>1)2)</sup>	29.5 x 100 – 125 mm	7,197 x g	large	5427 727.000
Centriprep®	6	29.5 x 100 – 125 mm	7,567 x g	large	5427 723.005

<sup>1)</sup> Three sets of 2 included within 6 x 15/50 mL rotor package. <sup>2)</sup> Adapter accommodates skirted 50 mL conical tubes. <sup>3)</sup> Please perform a manual test to determine the actual loading capacity. <sup>4)</sup> Set of 2

i For more information go to [www.eppendorf.com/centrifugation](http://www.eppendorf.com/centrifugation)