Benchtop centrifuge

# ROTOFIX 32 A (Medical Device)

## Rugged and indispensable

The ruggedly built ROTOFIX 32 A benchtop centrifuge is a medical device used for separating whole blood or blood components of human origin. The ROTOFIX 32 A delivers convincing performance thanks to its high capacity and the versatility of its rotor selection.

## Highlights

- RPM: 500 - 6,000 min $^{-1}$ – adjustable in increments of 100
- Max. RCF: 3,904
- Max. capacity: 8 x 50 ml
- Choice of 9 rotors
- IVDR-conform according to regulation (EU) 2017/746
- Easy operation with keypad
- 2 individual deceleration stages

## Features

- metal housing and lid
- viewing port in the lid
- one-hand lid lock
- lid dropping protection
- emergency lid lock release
- stainless steel chamber
- automatic rotor recognition
- brushless drive
- error display
- imbalance monitoring and switch-off
- control panel with actual values of all parameters
- auditory message after completion of the centrifugation run

## Technical data

| | ROTOFIX 32 A (MD) |
|---|---|
| voltage *) | 208 – 240 V 1 ~ |
| frequency | 50 – 60 Hz |
| consumption | 300 VA |
| emission, immunity | EN/IEC 61326-1, class B |
| max. capacity | 8 x 50 ml |
| max. RPM | 6,000 $min^{-1}$ |
| max. RCF | 3,904 |
| running time | 1–99 min, ∞ continuous run, short cycle mode (impulse button) |
| dimesions (W x D x H) | 366 x 430 x 257 mm |
| weight | approx. 23 kg |
| noise level | 53 dB (A) with rotor 1418 |
| **Cat. No.** | **1207** |
| 100 – 127 V 1 ~ / 50 – 60 Hz *) | 1207-01 |
| emission, immunity | FCC class B |

*) Other voltages on request.

## Available rotors

| **SWING-OUT ROTORS** | angle | max. RPM | max. capacity | Cat. No. | page |
|---|---|---|---|---|---|
| Swing-out rotor, 4-place | 90° | 4,000 $min^{-1}$ | 16 x 10 ml | **1624** | 3 |
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| **ANGLE ROTORS** | | | | | |
| Angle rotor, 8-place | 45° | 4,000 $min^{-1}$ | 8 x 50 ml | **1418** | 4 |
| Angle rotor, 6-place | 35° | 6,000 $min^{-1}$ | 6 x 10ml | **1620A** | 4 |

## Swing-out rotor, 4-place | 1624

| Rotor | |
|---|---|
| max. RPM I max. RCF | 4,000 min$^{-1}$ I 2,665 |
| max. capacity | 16 x 10 ml |
| run-up I run-down, braked in sec | 22 I 25 |
| angle I max. noise level | 90° I 55 dB (A) |
| **Cat. No.** | **1624** |

| Bucket | |
|---|---|
| Lid bioseal [5] | 1492 |
| **Cat. No.** | **1481** |

| Vessels | tubes / kits | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| capacity in ml | 4–5.5 | 4.5–5 | 4,9 | 7.5–8.2 | 7.5–8.2 | 9–10 | 10 | 8.5 – 10 | 20 |
| Ø x L in mm | 15 x 75 | 11 x 92 | 13 x 90 | 15x92 | 15x92 | 16x92 | 15x102 | 16x100 | 31x97 |
| max. RCF [2] | 2,576 | 2,558 | 2,558 | 2,576 | 2,576 | 2,540 | 2,665 | 2,451 | 2,308 |
| radius in mm | 144 | 143 | 143 | 142 | 142 | 142 | 149 | 137 | 137 |
| **Adapter** | | | | | | | | | |
| boring Ø x L in mm | 15.6x47 | 13.4x48 | 13.4x48 | 15.6x47 | 17.6x91 | 17.6x91 | 17.6x91 | 17.6x71,5 | 31x85 |
| vessels per rotor | 16 | 20 | 20 | 16 | 16 | 16 | 16 | 16 | 4 |
| **Cat. No.** | **1459** | **1383** | **1383** | **1459** | **1329** | **1329** | **1329** | **1369** [4] | **1309** |

## Swing-out rotor, 4-place | 1324

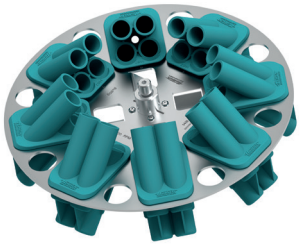
| Rotor | |
|---|---|
| max. RPM I max. RCF | 4,000 min$^{-1}$ I 2,630 |
| max. capacity | 16 x 10 ml |
| run-up I run-down, braked in sec | 27 I 30 |
| angle I max. noise level | 90° I 55 dB (A) |
| **Cat. No.** | **1324** |

| Bucket | |
|---|---|
| Lid bioseal [5] | 1492 |
| **Cat. No.** | **1490** |

| Vessels | tubes / kits | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| capacity in ml | 1.1–1.4 | 2.6–3.4 | 4.9 | 2.7–3 | 4.5–5 | 4–5.5 | 7.5 – 8.2 | 9 – 10 |
| Ø x L in mm | 8 x 66 | 13x65 | 13x90 | 11x66 | 11x92 | 15x75 | 15x92 | 16x92 |
| max. RCF [2] | 2,540 | 2,522 | 2,522 | 2,522 | 2,522 | 2,540 | 2,540 | 2,504 |
| radius in mm | 142 | 141 | 141 | 141 | 141 | 142 | 142 | 140 |
| **Adapter** | | | | | | | | |
| boring Ø x L in mm | 9x47 | 13.4x48 | 13.4x48 | 13.4x48 | 13.4x48 | 15.6x47 | 15.6x47 | 17.6x91 |
| vessels per rotor | 28 | 20 | 20 | 20 | 20 | 16 | 16 | 16 |
| **Cat. No.** | **1457** | **1383** | **1383** | **1383** | **1383** | **1459** | **1459** | **1329** |

2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers.
5) Tested by TÜV in conformity with DIN EN 61010, section 2-020.
20) Vacutainers made of glass may not be used.

## Angle rotor, 8-place | 1418



| Rotor | |
|---|---|
| max. RPM I max. RCF | 4,000 min$^{-1}$ I 2,683 |
| max. capacity | 8 x 50 ml |
| run-up I run-down, braked in sec | 36 I 43 |
| angle I max. noise level | 45° I 53 dB (A) |
| **Cat. No.** | **1418** |

| | tubes / kits | | | | | | |
|---|---|---|---|---|---|---|---|
| **Vessels** | | | | | | | |
| capacity in ml | 1.1 – 1.4 | 2.6 – 3.4 | 2.7 – 3 | 9 – 10 | 1.6 – 5 | 10 | 50 |
| Ø x L in mm | 8 x 66 | 13 x 65 | 11 x 66 | 16 x 92 | 13 x 75 | 16 x 100 | 29 x 107 |
| max. RCF [2] | 2,182 | 2,182 | 2,182 | 2,540 | 2,182 | 2,683 | 2,486 |
| radius in mm | 122 | 122 | 122 | 142 | 122 | 150 | 139 |
| + **Carrier** | + 1054-A | + 1054-A | + 1054-A | + 0716 | + 1054-A | + 0716 | + E2110-A |
| boring Ø x L in mm | 17.4 x 91 | 17.4 x 91 | 17.4 x 91 | 17.4 x 91 | 17.4 x 91 | 17.4 x 91 | 30.2 x 92 |
| vessels per rotor | 32 | 32 | 32 | 32 | 32 | 32 | 8 |
| **Cat. No.** | **1467** | **1467** | **1467** | **1467** | **1467** | **1467** | **1468** |

## Angle rotor, 6-place | 1620A

| Rotor | |
|---|---|
| max. RPM I max. RCF | 6,000 min$^{-1}$ I 3,904 |
| max. capacity | 6 x 10 ml |
| run-up I run-down, braked in sec | 19 I 22 |
| angle I max. noise level | 35° I 53 dB (A) |
| **Cat. No.** | **1620A** |

| | tubes / kits | | | |
|---|---|---|---|---|
| **Vessels** | | | | |
| capacity in ml | 7.5 – 8.2 | 9 – 10 | 10 | 8.5 – 10 |
| Ø x L in mm | 15 x 92 | 16 x 92 | 15 x 102 | 16 x 100 |
| max. RCF [2] | 3,904 | 3,904 | 3,904 | 3,904 |
| radius in mm | 97 | 97 | 97 | 97 |
| + **Adapter** | | | | |
| boring Ø x L in mm | 17.5 x 92 | 17.5 x 92 | 17.5 x 92 | 17.5 x 92 |
| vessels per rotor | 6 | 6 | 6 | 6 |
| **Cat. No.** | **1451** | **1451** | **1451** | **1451** |

2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers.

## Certifications / Registrations

Product certification:

CE 0483 TÜV SÜD c US

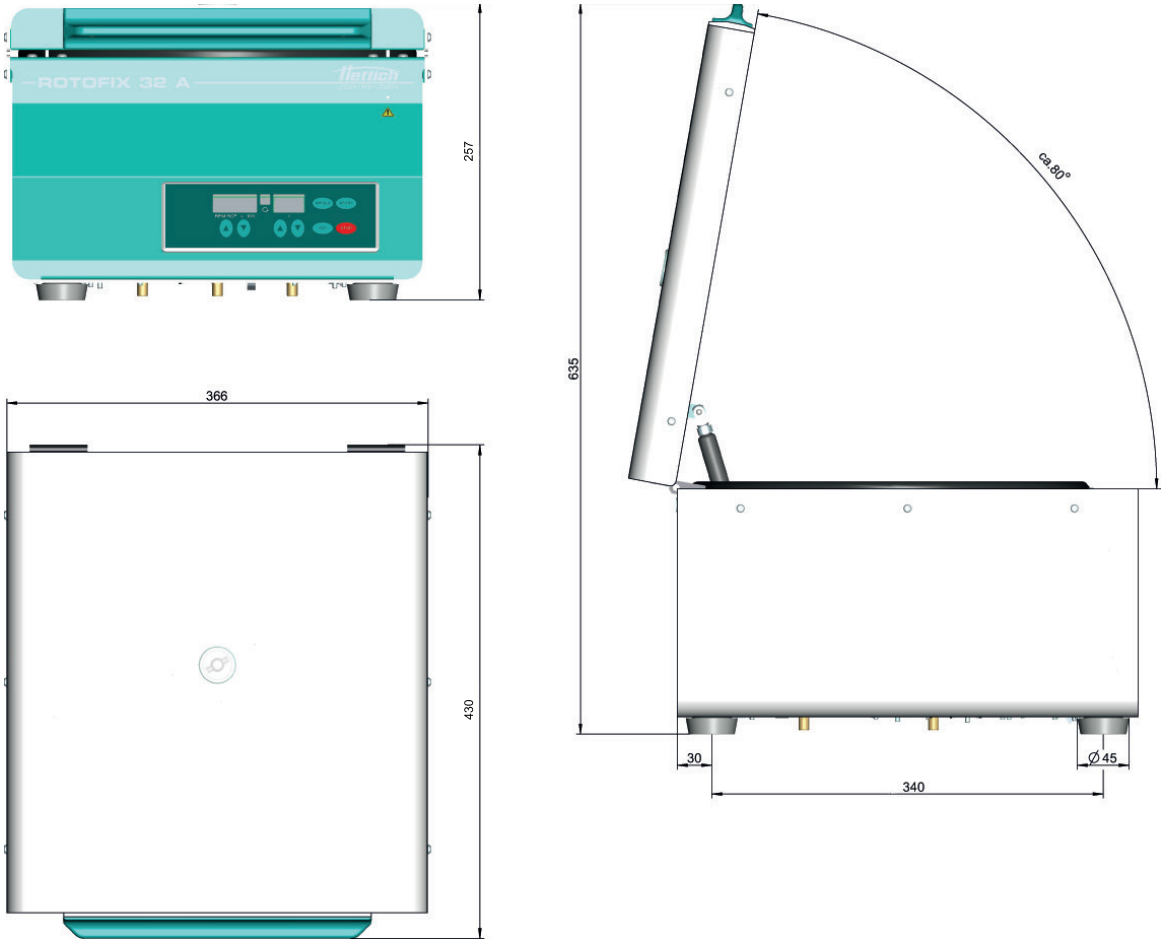
Product registration:

MEDICAL DEVICE (EU) 2017/745

Company certifications:

TÜV SÜD ISO 9001 · TÜV SÜD ISO 14001 · Certified Quality System ISO 13485 mdc

## Dimensions

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