

ROTANTA 460/460 R
Benchtop, Underbench and Floorstanding Centrifuges classic/cooled



ROTANTA 460/460 R

Efficient, results-oriented working processes are top priority in both research and routine laboratories. Advanced laboratory technology makes a significant contribution to shortening processing times.

For decades, ROTANTA centrifuges from Hettich have been distinguished by the highest quality. Excellent performance and an extensive range of accessories guarantee fast, trouble-free operation in daily laboratory use.

With a maximum capacity of 3 litres per run, they are proving themselves in clinics and laboratory centres, as well as in Life Science R & D departments.

For sample processing in clinical chemistry, a wide selection of adapters are available to accommodate the most varied types of tubes. Biotechnology, molecular biology and the pharmaceutical industry value the ROTANTA 460 especially for its autoclavable and aerosoltight accessories.

These versatile benchtop centrifuges feature a filter plate rotor with an RCF of 6,446 for purifying DNA/RNA.

Model variants of the refrigerated ROTANTA 460 R

- with connection for nitrogen flushing (Cat. No. 5660-20),
- as heating/cooling version up to 90 °C (Cat. No. 5660-50), or as
- heating/cooling version with connection for nitrogen flushing (Cat. No. 5660-70),

on request.

PERFORMANCE



- High speed with angle rotors:
- · 24,400 RCF with a max. capacity of 30 x 1.5/2.0 ml
- · 18,038 RCF with a max. capacity of 6 x 94 ml
- · 14,025 RCF with a max. capacity of 6 x 250 ml
- · High capacity with swing-out rotors:
- · 4 x 750 ml at max. 4,779 RCF
- · 24 microtitre plates / 4 filter plates at max. 4,211 RCF or
- · 12 microtitre plates / 2 filter plates at max. 6,446 RCF
- 196 blood collection tubes at max. 2,906 RCF

USER-FRIENDLINESS

- Powered lid locking
- · Ergonomic control and information panel
- Easy rotor changing
- 98 program storage spaces
- Protection against unauthorized operation / modification of stored programs
- Switch of centrifuge run time from "at start" (commencement at start) to "at speed" (start when nominal speed is attained)
- Special braking ramps for centrifuging blood bags in the refrigerated models
- Program interlocking to combine several centrifugation runs (optional)

COOLING (ROTANTA 460 R, 460 RC and 460 RF)

- Infinitely variable adjustment from -20 °C to +40 °C (or -4 °F to +104 °F)
- Stand-by cooling

SAFETY

- · Imbalance switch-off
- Automatic rotor recognition
- Emergency lid lock release
- Lid dropping protection
- Lid locking and holding during rotor run
- Motor overheating protection
- Chamber overheating protection with (ROTANTA 460 R, 460 RC und 460 RF) centrifuges





ROTANTA 460 benchtop centrifuge

Cat. No. 5650

OPERATION AND CONTROL

With the convenient C control panel, even the most challenging centrifugation programs can easily be keyed in, stored and accessed as required.



ROTANTA 460 R, 460 RC and 460 RF control panel (C control panel)

cooled

DIGITAL DISPLAY AND CONTROL PANEL

KEYBOARD

START Start centrifugation run/

> short centrifuging runs/ save entries and changes

** Start pre-cooling program PREC

STOP Manually end centrifugation run/

OPEN Open lid

PARAMETER INPUT

PROG Input / recall program number

98 programs can be stored

Input temperature in increments of 1 T/°C

from - 20 °C to + 40 °C or

- 4 °F to + 104 °F (ROTANTA 460 R, 460 RC

and 460 RF)

Input of acceleration levels 1 - 9

Input of braking levels 1 - 9 Input brake force cut-off

RCF Input relative centrifugal force

(RCF) in increments of 1

Enter centrifuging radius (RAD) in mm

RPM Input speed in increments of 10 TIME Input length of centrifugation

> (max. 99 h: 59 min: 59 sec) or continuous operation



floorstanding centrifuge,

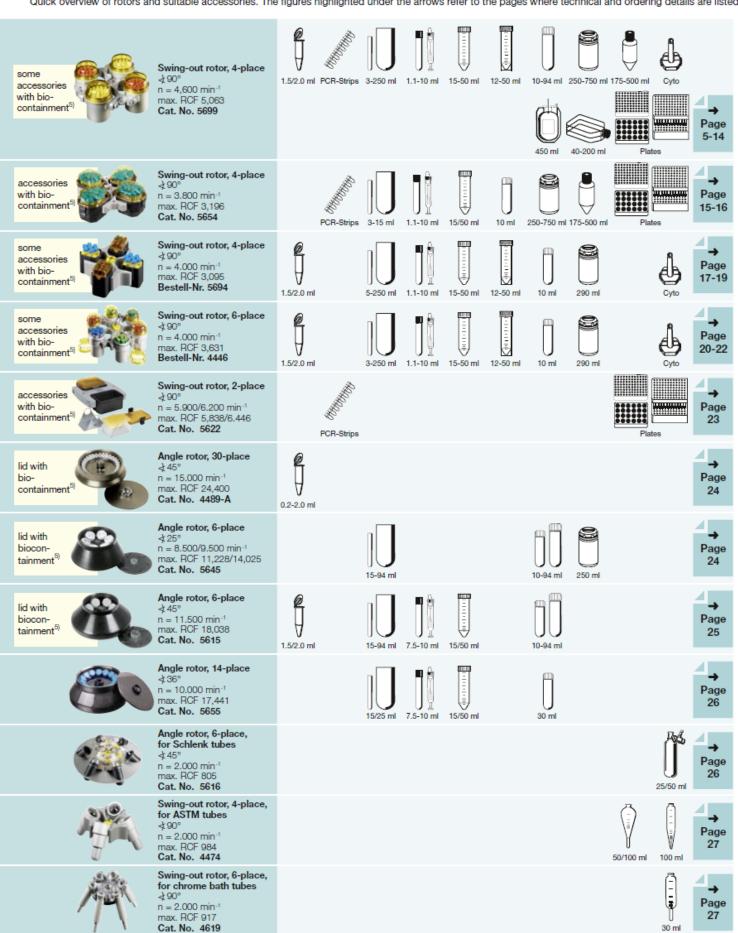
Cat. No. 5675

cooled

ROTANTA 460 RF

ROTORS AND ACCESSORIES

Quick overview of rotors and suitable accessories. The figures highlighted under the arrows refer to the pages where technical and ordering details are listed.



Additional tubes e.g. stool tubes or spin columns on request.