

# Centrifuges

## Hettich Mikro 220/R

- ◆ Standard and refrigerated models
- ◆ Maximum capacity 24 x 1.5/2.2ml (6 x 50ml-Mikro 220R only)
- ◆ Digital setting rpm/rcf, time period (and temperature – Mikro 220R only)
- ◆ Quiet running, with rapid acceleration

### Mikro 220

As described. Maximum speed 18000rpm, rcf 31514xg according to rotor selected. 1 second to 99 minute timer, continuous run facility and pulse key. Overall 313 x 330 x 420mm H x W x D. Weight 21kg. For 230V 50/60Hz single phase supplies. Without rotor, accessories or tubes.

**CD600-74** Mikro 220

### Mikro 220R, refrigerated

As CD600-74 but with integral cooling unit. Chamber temperature can be set between -20°C and +40°C. Overall 313 x 303 x 650mm H x W x D. Weight 42kg. For 230V 50/60Hz single phase supplies. Without rotor, accessories or tubes.

**CD600-79** Mikro 220R

### Accessory Swing-Out Rotor

Maximum rpm/rcf 13000/18516xg.

**CD600-82** For 24 x 1.5/2.2ml tubes

### Accessory Fixed Angle Rotors

Angle rotor. Maximum rpm/rcf 14000/18845xg. For use with PCR tubes or tube strips.

**CD600-83** For 48 x 0.2ml PCR tubes

Angle rotor with standard lid. Maximum rpm/rcf 18000/25718xg.

**CD600-86** For 12 x 1.5/2.2ml tubes

Angle rotor with sealed lid. Maximum rpm/rcf 18000/31514xg.

**CD600-87** For 24 x 1.5/2.2ml tubes

Angle rotor. Maximum rpm/rcf 6000/4146xg. For use with CD600-79 only.

**CD600-92** For 12 x 15ml (17 x 120mm) tubes

Angle rotors for 6 x 50ml round bottom tubes, 34 x 100mm diameter x height. Maximum rpm/rcf 6000/4025xg. For use with CD600-79 only.

**CD600-94** For 6 x 50ml (34 x 100mm) tubes

**CD600-95** 1 x 50ml conical (29 x 115mm) tube adapter. Max. rcf 3824xg. 6 required

## Hettich Universal Models 320/320R

- ◆ Standard and refrigerated models
- ◆ Maximum capacity 6 x 85ml
- ◆ Safety features include rotor recognition, imbalance detector and overspeed protection
- ◆ Maintenance free induction drive
- ◆ Digital control and display of rpm/rcf, time period (and temperature – Universal 320R only)

### Universal 320

As described. Maximum speed 5000rpm swing-out, 15000rpm angle, maximum rcf 21382xg, according to rotor/accessories selected. With 10 programme memory and 1 to 99 minute timer with continuous run setting. Overall 346 x 395 x 520mm H x W x D. Weight 31kg. For 230V 50/60Hz single phase supplies. Without rotor, accessories or tubes.

**CD625-25** Universal 320

### Universal 320R, refrigerated

As CD625-25 but with integral hermetically sealed cooling unit. Chamber temperature can be set between -20°C and +40°C. Overall 346 x 401 x 695mm H x W x D. Weight 53kg. For 230V 50/60Hz single phase supplies. Without rotor, accessories or tubes.

**CD625-37** Universal 320R

| No of tubes x capacity    | Tube dia. x length, mm | Rotor           | Carrier/ Bucket/Adapter  | Maximum rpm/rcf xg |
|---------------------------|------------------------|-----------------|--------------------------|--------------------|
| <b>Swing-Out Rotors</b>   |                        |                 |                          |                    |
| 4 x 100ml                 | 44 x 100               | <b>CD625-50</b> | <b>CD627-15</b>          | 5000/2558          |
| 16 x 15ml                 | 17 x 100               | <b>CD625-50</b> | <b>CD627-15/CD627-26</b> | 5000/2540          |
| 4 x 25ml*†                | 25 x 110               | <b>CD625-50</b> | <b>CD627-15/CD627-22</b> | 5000/2665          |
| 4 x 50ml*                 | 29 x 115               | <b>CD625-50</b> | <b>CD627-15/CD627-19</b> | 5000/2665          |
| 4 x 15ml*                 | 17 x 120               | <b>CD625-50</b> | <b>CD627-15/CD627-30</b> | 5000/2665          |
| 8 x 50ml*                 | 29 x 115               | <b>CD625-54</b> | —                        | 5000/3857          |
| 2 x microplates           | —                      | <b>CD625-61</b> | —                        | 5000/2218          |
| <b>Fixed Angle Rotors</b> |                        |                 |                          |                    |
| 6 x 85ml                  | 38 x 106               | <b>CD625-68</b> | —                        | 9000/9509          |
| 30 x 1.5/2.2ml            | —                      | <b>CD625-79</b> | —                        | 14000/21255        |
| 12 x 1.5/2.2ml            | —                      | <b>CD625-82</b> | —                        | 15000/16602        |

\*Primarily for use with Falcon-type, conical base tubes. † For use with disposable universal bottles.

### Accessory Rotors

**CD625-50** 4-place swing-out x 100ml. Without buckets or carriers

**CD625-54** 8-place swing-out x 50ml. With buckets

**CD625-61** 2-place swing-out for microplate carriers CD627-62 Max. rpm/rcf 4000/2218xg

**CD625-68** 6-place fixed angle x 85ml

**CD625-79** 30-place fixed angle x 1.5/2.2ml

**CD625-82** 12-place fixed angle x 1.5/2.2ml

**Note:** There are no accessories for fixed angle rotors CD625-68, CD625-79 or CD625-82

### Accessory Buckets/Carriers/Adapters

The number of buckets, carriers, cushions and adapters must equal the number of rotor places. Supplied singly.

**CD627-15** 1 x 100ml bucket for rotor CD625-50

**CD627-62** Microplate carrier only for 4 x microplates with lid. For CD625-61

**CD627-17** 1 x 100ml tube cushion for bucket CD627-15

**CD627-19** 1 x 50ml conical adapter for bucket CD627-15

**CD627-22** 1 x 25ml conical adapter for bucket CD627-15

**CD627-26** 4 x 15ml adapter for bucket CD627-15

**CD627-30** 1 x 15ml conical adapter for bucket CD627-15



**CD600-79, CD600-74 is similar**



**CD625-37**

**CD625-25**