

Ventilated | Low speed | Benchtop

# TD-420



Order No.:0101060000

The TD-420 offers exceptional user comfort and a choice of 4 rotors,including the most popular swing out rotors for 15ml and 50ml tube.It adopts intelligent LCD touch screen, easily operate with gloves.Thanks to the strong operation system,it supports the multi-stage centrifugation and can store up to 1000 programs.

## FEATURES

### User-friendly functions

- >up to 1000 user-defined programs
- >up to 1000 run histories,can be exported via USB
- >up to 40 rates acceleration and deceleration
- >up to 5 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment

### Ensure safety

- >Microprocessor control
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >Software to prevent overspeed

### LCD touch screen

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly
- >RPM and RCF covert automatically
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

### Good components

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 304 stainless steel. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor; Stainless steel swing out rotor.
- >Rotors are autoclavable

## TECHNICAL DATA

|                   |                |
|-------------------|----------------|
| Max Speed         | 4200rpm        |
| Max RCF           | 3116xg         |
| Max Capacity      | 4x100ml        |
| Speed Accuracy    | ±10rpm         |
| Time Setting      | 1s ~ 99h59m59s |
| Noise             | ≤65dB(A)       |
| Voltage           | 220v           |
| Power Consumption | 500w           |
| Dimension(WxDxH)  | 400x495x320mm  |
| Weight            | 27kg           |

AVAILABLE ROTORS

| Swing out rotor                                                                                             |                                                                                                                                   |                                  |                |                             |                                                  |
|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------|-----------------------------|--------------------------------------------------|
| Rotor body                                                                                                  | Holder                                                                                                                            | Order No.<br>(Rotor body+holder) | Max speed/RCF  | Adaptor                     |                                                  |
|                                                                                                             |                                                                                                                                   |                                  |                | Capacity                    | Order No.                                        |
| <br>Order No.: 1003030001 | <br>Capacity: 16×15ml<br>Order No.: 0495030910   | 0495030900                       | 4200rpm/3116×g | 16×1×2ml                    | 1102010008                                       |
|                                                                                                             |                                                                                                                                   |                                  |                | 16×1×2ml blood tube         | 1102010001                                       |
|                                                                                                             |                                                                                                                                   |                                  |                | 16×1×7ml blood tube         | 1102010002                                       |
|                                                                                                             |                                                                                                                                   |                                  |                | 16×1×10ml blood tube        | 1102010003                                       |
|                                                                                                             | <br>Capacity: 4×50ml<br>Order No.: 0495030310    | 0495030300                       | 4200rpm/3116×g | 4×1×5ml                     | 1102020001                                       |
|                                                                                                             |                                                                                                                                   |                                  |                | 4×1×10ml                    | 1102020002<br>1102020006/glass tube              |
|                                                                                                             |                                                                                                                                   |                                  |                | 4×1×15ml conical tube       | 1102020003                                       |
|                                                                                                             |                                                                                                                                   |                                  |                | 4×1×30ml                    | 1102020004                                       |
|                                                                                                             | <br>Capacity: 8×50ml<br>Order No.: 0495030410  | 0495031200                       | 4200rpm/3116×g | 8×1×5ml                     | 1102020001                                       |
|                                                                                                             |                                                                                                                                   |                                  |                | 8×1×10ml                    | 1102020002<br>1102020006/glass tube              |
|                                                                                                             |                                                                                                                                   |                                  |                | 8×1×15ml conical tube       | 1102020003                                       |
|                                                                                                             |                                                                                                                                   |                                  |                | 8×1×30ml                    | 1102020004                                       |
|                                                                                                             | <br>Capacity: 4×100ml<br>Order No.: 0495030510 | 0495030500                       | 4200rpm/3116×g | 4×4×2ml frozen storage tube | 1102030009                                       |
|                                                                                                             |                                                                                                                                   |                                  |                | 4×3×2ml                     | 1102030010                                       |
|                                                                                                             |                                                                                                                                   |                                  |                | 4×1×5ml                     | 1102030001                                       |
|                                                                                                             |                                                                                                                                   |                                  |                | 4×1×10ml                    | 1102030002                                       |
|                                                                                                             |                                                                                                                                   |                                  |                | 4×1×15ml conical tube       | 1102030003                                       |
|                                                                                                             |                                                                                                                                   |                                  |                | 4×1×30ml                    | 1102030004                                       |
|                                                                                                             |                                                                                                                                   |                                  |                | 4×1×50ml                    | 1102030005/round tube<br>1102030006/conical tube |