

M400D Benchtop low speed centrifuge

Features

- Smaller volume, saving laboratory space.
- Innovative structural design , noise (Max speed) ≤ 57 dB.
- Individual " Flash" button to achieve fast and convenient centrifugation.
- 7 kinds of angle rotor can be exchanged and it can be meet the experimental requi
- The original acceleration and deceleration control suited to blood and c gradient centrifugation.
- Forced air cooling technology, reduce the temperature significantly and effectiv and ensure sample safety.
- Automatic imbalance recognition system ensured the safety centrifuging.
- Effective centrifugal time function, the countdown starts till arrived setting speed

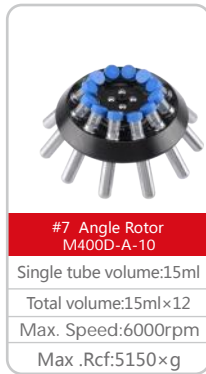
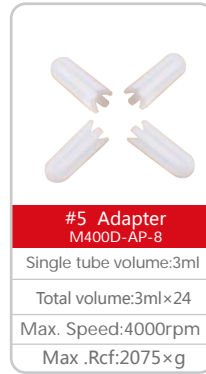


Introduction

- Using advanced and reliable Infineon control system, it can be control the speed, time and RCF accurately.
- Brushless frequency induction motor with free of maintenance, wider range of speed range 100-6,000rpm, Accuracy ± 15 rpm.
- The increment of RPM and RCF is 10rpm/10xg. time setting range is 1-99mins or 1-59 seconds, Accuracy ± 1 second.
- "Flash" button to achieve fast and convenient centrifugation.
- Automatic save the last experimental data.

- Large-size LED digital display show the operating parameters clearly, the Speed / Rcf parameter can be set separated and mutual conversion button, view the Rcf easily.
- The real-time display for acceleration and deceleration can meet all kinds of centrifugal required.
- Single-button rotation control, changed the parameters quickly.
- The machine Include the lid protection、overspeed protection、Over-voltage over-current protection and imbalance detection system . can be real-time monitoring of the centrifugal process,ensure the safety operation of the instrument, the sound signals when finish the operation and error showing , also stop running at the same time, LED display show the error code.





- The high-strength material of machine and rotor can be resist a variety of chemical corrosion.The rotor with the sealing performance and unlimited high temperature autoclave performance.
- High-strength material of chamber, strong structure, suitable for continuous working.Electronic lid lock, lid opened easily, automated locking ensures the safety experiment.
- Forced air cooling technology improve efficiency for the heat exchange.Ensure the temperature-sensitive sample safety.Automatic open the lid after centrifuging, prevent the sample overheating and pick and place samples easily.
- The isolation layer include the outside of centrifuge chamber, it can be fully absorbed noise, reduce vibration, to provide the staff a quiet experiment.

Host Parameters

Model	M400D
Input voltage	AC230V/50~60Hz
Input power[W]	420W
Max load capacity[ml]	400ml(50ml×8/100ml×4)
Speed range [r/min.]	100~6000/Speed increment 10rpm
Max RCF[×g]	5150/RCF increment 10×g
Centrifugation Time	1-99minutes /1-59seconds ; 2 mode selectable ; accuracy±1seconds
Drive motor	Brushless frequency induction motor with free of maintenance
Display show type	Highlight full segment LED display
Length × width × height [mm]	390×500×320
Weight (without rotor)[Kg]	30
The noise of Maximum speed (≈)	≤56dB(A)
Maximum acceleration[sec]	10
Maximum deceleration[sec]	15
Interference suppression standard	EN 61010-1 , EN 61010-2-020 , EN 61326-1 , EN 61010-3-2/A2

at23°C ambient temperature

Rotor Parameter Description

Product model	Rotor	Capacity ml × tubes	Max Speed (r/min.)	Max RCF × (g)	Tube type dimension
M400D-S-1	Rotor stand	Suitable for #1-#5 Basket	5000	4135	
M400D-S-2	#1 Basket for Swing rotor	100×4	5000	4108	PP Round bottom with cap
M400D-S-3	#2 Basket for Swing rotor	50×4	5000	4135	PP Round/cone bottom with cap
M400D-S-4	#3 Basket for Swing rotor	50×8	4000	2720	PP round/cone bottom with cap
M400D-S-5	#4 Basket for Swing rotor	8/10×16	4000	2557	φ16×100mm Blood collection tube φ16×90mm Round/cone bottom tube
M400D-S-6		15×16		2790	PP round/cone bottom
M400D-S-7				2540	φ13×100mm blood
M400D-AP-8	#5 Basket for Swing rotor	3/5×24	4000	2075	φ13×75mm blood collection tube
M400D-S-9	#6 Rotor for ELISA Plate	Micro well Plate 4 ×2×96	3500	2190	Economic type
M400D-A-10	#7 Angle rotor	15×12	6000	5150	PP round/cone bottom with cap

Ordering information

Code No	Part No	Configuration information	
M400D-15090	M400D	Machine	
M400D-15091	M400D-S-1	Rotor stand/Suitable for M400D-S-2~M400D-S-7 Basket	Standard
M400D-15092	M400D-S-2	Basket /100ml×4 holes	Optional
M400D-15093	M400D-S-3	Basket /50ml×4 holes	Optional
M400D-15094	M400D-S-4	Basket/50ml×8 holes	Optional
M400D-15095	M400D-S-5	Basket/8/10ml×16 holes	Optional
M400D-15096	M400D-S-6	Basket/15ml×16 holes	Optional
M400D-15097	M400D-S-7	Basket/5ml×24 holes	Optional
M400D-15098	M400D-AP-8	Adapter 3ml×24pcs/standard M400D-S-7	
M400D-15099	M400D-S-9	Micro well Plate 4 ×2×96	Deep well Plate 2 ×2×96
M400D-150910	M400D-A-10	Angle rotor /15ml×12 holes	Optional