

Display & Control Panel

Supra R22 Max. RPM : 22,000 rpm
Max. RCF : 57,358 xg

Supra R12 Max. RPM : 12,000 rpm
Max. RCF : 22,265 xg

Display Screen
Status of RPM / RCF / Time / Temperature / Rotor ID / ACC / DEC / Program

Setting Speed
Press once : Setting RPM
Press twice : Setting RCF

Setting Time
Up to < 100 hr
Continuous run (00:00)

Setting Temperature
🌡 Setting temperature (-10°C ~ 40°C)
⏪⏩ Setting temp. limit

View Settings
Verifying the setting parameters during centrifugation

Setting ACC / DEC Rate
☑ ACC (0 ~ 9 steps, Max.9)
☑ DEC (0 ~ 9 steps, Natural DEC.0)

Setting the Rotor ID manually
When rotor id is not identified automatically, enter the rotor ID. manually

Short Spin

Program Save / Call
Saving a program (up to 100)
Calling up a program

Setting Run Parameters (RPM / RCF / Time / Temperature / ACC / DEC)

Press a parameter to be changed → Enter the desired values on the keypad → Press the Enter button

Saving / Calling Up a Program

Press the Save or call button → Enter the desired program number on the keypad → Press the Enter button

Pulse

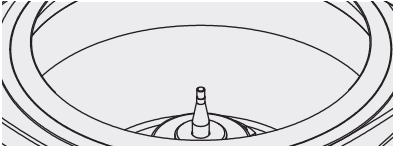
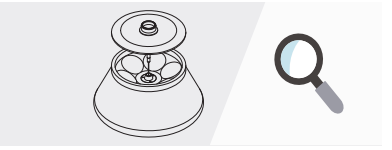
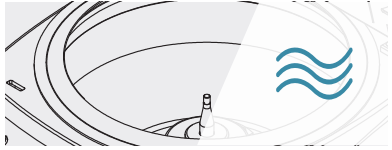
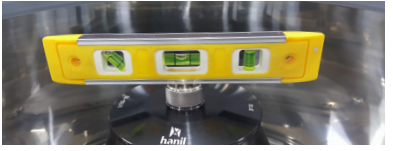
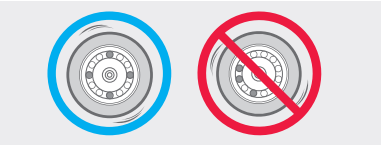
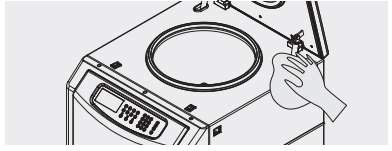
Enter the desired speed (See 'Setting Run Parameters') → Press and hold the Pulse button. (When the Pulse button is released, the rotor begins decelerating.)

Setting Temp. Limit

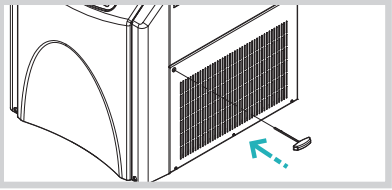
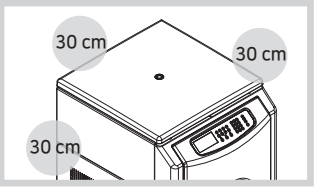
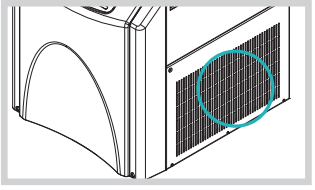
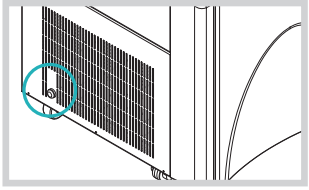
Press the Temp. limit button → Enter the desired temperature range on the keypad → Press the Enter button

Temperature range that stops operation when the temperature is lower or higher than the set temperature.

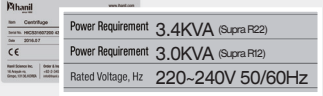



Cautions for Use

Before Operation		After Operation
 <p>Check the Chamber & Accessor Inspect the rotor, chamber, rotor & accessories for foreign objects.</p>	 <p>Check the Accessories for Abnormalities Check the rotor, buckets and tubes are free of scratch and crack before operation.</p>	 <p>Keep the Chamber Dry Wipe up the moisture in the chamber with a dry cloth after use. Keep the lid open when not in use.</p>
 <p>Balancing the Centrifuge and Rotor After relocating the device or loading the rotor, balance them by using a leveler. If necessary, level the device by adjusting the 'Leveling foot' on the bottom of the device.</p>	 <p>Load Tubes Symmetrically Load tubes symmetrically into the rotor with identical amount.</p>	 <p>Cleaning Clean the chamber and rotor by wiping with a cloth soaked in mild detergent and dry completely.</p>

Maintenance

 <p>Emergency Lid Open If the centrifuge lid cannot be opened, insert the provided T-wrench into the emergency release hole on the right side of the device and press it. (Before activating emergency open, switch off the device and wait for the rotor to stop.)</p>	 <p>Allow a Safety Clearance of 30 cm Allow a safety clearance of 30 cm around the centrifuge during operation.</p>	 <p>Remove Dust Remove any dust from the ventilation slits on the right side of the device.</p>	 <p>Empty the Condensation Water Empty the condensation water regularly by removing the drain cap on the left side of the device.</p>
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Electrical safety

 <p>Check the Line Voltage Connect the device to voltage sources, which correspond to the electrical requirements on the label attached to the device.</p>	 <p>Grounded Outlet Check the wall outlet is earth-grounded, surge-protected and can supply enough power.</p>	 <p>Power Connection Connect the power cable to the distribution box, or install the plug and socket that are packed with the device.</p>	 <p>Switch Off the Device Switch off the device after use. Unplug the power plug before cleaning or unused for a long period of time.</p>
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Rotors

Supra R22

A2.0-36	36 x 1.5/2.0 mL / Max. 18k
A10-12	12 x 10 mL / Max. 22k
A15-12	12x 15 mL / Max. 22k
A15c-12	12 x 15 mL conical / Max. 17k
A50-6	6 x 50 mL / Max. 22k
A50c-6	6 x 50 mL conical / Max. 17k

A50-8	8 x 50 mL / Max. 20k
A85-6	6 x 85 mL / Max. 20k
A250-6	6 x 250 mL / Max. 12k
A500-6	6 x 500 mL / Max. 9k
A1000-4	4 x 1,000 mL / Max. 8k

Supra R12

A250-6	6 x 250 mL / Max. 12k
A500-6	6 x 500 mL / Max. 10k
A1000-4	4 x 1,000 mL / Max. 8k
A1000-6	6 x 1,000 mL / Max. 7k