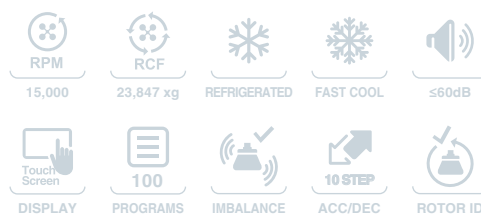




VARISPIN 15R

MULTI CENTRIFUGE

Refrigerated multi purpose centrifuge with large capacity and a variety of rotor options



● ● ● STANDARD SPECIFICATION



| | | |
|---------------------------|---|-----------------------|
| Max. RPM | 15,000RPM(Angle Rotor) | 5,000RPM(Swing Rotor) |
| Max. RCF | 23,847 xg | 4,947 xg |
| Max. Capacity | 250ml x 6 | 750ml x 4 |
| Accel / Decel phase | 0 ~ 9 (10 Step) | |
| Set Temp. | -10°C ~ +40°C (1°C increments) | |
| Ref. System | Non-CFC | |
| Noise Level | ≤60dB | |
| Set Time | 99 hour 59 min 59sec or continuous | |
| Time Count | From start / From set-up RPM | |
| Program | 100 memory | |
| Rotor ID | Automatic Recognition | |
| Display | 4.3" LCD Touch Screen | |
| RPM Range | 400 to 15,000 rpm | |
| Display message on screen | RPM, RCF, Time, Door open/close, Temp ACC, DEC, Rotor ID, Program, Comp. On/Off | |
| Available Rotor Quantity | 14 | |
| Power Supply | AC 230V ± 10%, 50-60Hz, 1Phase | |
| Power Consumption | 2,5KW | |
| Dimension(W x D x H) | 765 x 687 x 375 mm (H:915mm with open lid) | |
| Weight (without rotor) | 95kg | |

● ● ● MAIN FEATURE

● Wide Range of Application

Various rotor options for multiple purposes in different users

● CRYSTE FLIP™ Touch Controller

- User-friendly 4.3" full color touch LCD controller helps to set the parameter at modern way
- All set points are visible at a glance and setting is easy
- Touch pad lock doesn't allow misuse during operation

● Silent Operation

Well-balanced motor minimized vibration, which leads to the most silent operation

● Ideal Security

Unauthorized access is prohibited through password

● Biocontainment Rotor/Bucket Option

- Option for handling biohazardous materials
- Biocontainment sealing buckets are certified by TUV NORD in compliance with IEC61010-2-020:2016, Annex AA

● A Variety of Tubes Applicable

- Various sizes of tube are available from 0.2ml to 750ml
- Proper tube adaptors are selectable

● Refrigerator and Fast Cool Function

- Pre-cooling before use is available so that user can minimize the risk of degradation of thermal sensitive samples.
- 4°C at maximum speed is ensured

● Energy Saving

- Pre-set energy saving mode can help to reduce the electrical operating cost
- Unnecessary operation without the real-use can be controlled by Standby Mode and Eco Shut-off setting

● Drainage

Excessive condensation can be treated by drainage at the bottom of chamber

● ● ● ORDER INFORMATION

| | ITEM | DESCRIPTIONS | ORDER CODE |
|-------------|--------------|---|------------|
| Main Body | VARISPIN 15R | VARISPIN 15R, refrigerated, without rotor, 230V/50~60Hz | V15R-MB |
| Angle Rotor | A480.2T | 0.2ml x 48 fixed angle rotor for PCR tubes(x6 PCR strips) (Max 12,000RPM) | V15R-AR1 |
| | A301.5T | 1.5/2.0ml x 30 fixed angle rotor (Max 15,000RPM) | V15R-AR2 |
| | A481.5T | 1.5/2.0ml x 48 fixed angle rotor (Max 13,000RPM) | V15R-AR3 |
| | A1215T | 15ml x 12 fixed angle rotor (Max 12,000RPM) | V15R-AR4 |
| | A1215TC | 15ml x 12 fixed angle rotor for conical tubes (Max 13,000RPM) | V15R-AR5 |
| | A650T | 50ml x 6 fixed angle rotor (Max 12,000RPM) | V15R-AR6 |
| | A650TC | 50ml x 6 fixed angle rotor for conical tubes (Max 13,000RPM) | V15R-AR7 |
| | A850T | 50ml x 8 fixed angle rotor (Max 12,000RPM) | V15R-AR8 |
| | A685T | 85ml x 6 fixed angle rotor (Max 12,000RPM) | V15R-AR9 |
| | A6250T | 250ml x 6 fixed angle rotor (Max 8,000RPM) | V15R-AR10 |
| Swing Rotor | S4250TE | 250ml x 4-wing swing rotor for rectangular/micro plate buckets (Max 4,000RPM) | V15R-SR1 |
| | S4250T | 250ml x 4-wing swing rotor for round buckets (Max 4,500RPM) | V15R-SR2 |
| | S4750T | 750ml x 4-wing swing rotor for round buckets / micro plate buckets (Max 4,000RPM) | V15R-SR3 |
| | S4100T | 100ml x 4-wing swing rotor for round buckets (Max. 5,000RPM) | V15R-SR4 |

●●● AVAILABLE ANGLE ROTORS

LAB.SAFETY













CENTRIFUGES

LAB.BASIC

| | | | | | | | | |
|---------------------------------|--|--------------|--|--------|-----------|--|-------------------------|-------------------------|
| Rotor | | | | | | | | |
| | Fixed Angle Rotor $\angle 45^\circ$ 48 x 0.2ml Radius(mm) : 83.5 | | Fixed Angle Rotor $\angle 45^\circ$ 30 x 1.5ml Radius(mm) : 94.8 | | | Fixed Angle Rotor $\angle 45^\circ$ 48 x 1.5ml Radius(mm) : 94.8 | | |
| Item | A480.2T | | A301.5T | | | A481.5T | | |
| Tube | | | | | | | | |
| Volume (ml) | 0.2 | 0.2ml Strips | 0.2 | 0.5 | 1.5 / 2.0 | 0.2 | 0.5 | 1.5 / 2.0 |
| Adaptor / tube rack | | | | | | | | |
| Item | | | F1.5A-0.2 | | F1.5A-0.5 | F1.5A-0.2 | | F1.5A-0.5 |
| Number per rack / rotor | 48 | 6 | 30 | 30 | 30 | 48 | 48 | 48 |
| Adaptor bore (mm) | 6.5 | 6.5 | 6.5 | 8 | 11 | 6.5 | 8 | 11 |
| Max. height for use (mm) | - | - | 44 | 52 | 61 | In 51 Out 44 | In 62 Out 54 | In 70 Out 61 |
| RPM | 12,000 | 12,000 | 15,000 | 15,000 | 15,000 | 13,000 | 13,000 | 13,000 |
| Radius (mm) | 83.5 | 83.5 | 80.3 | 86.7 | 94.8 | In 70.3 Out 80.3 | In 76.7 Out 86.7 | In 84.8 Out 94.8 |
| RCF | 13,443 | 13,443 | 20,199 | 21,809 | 23,847 | In 13,283 Out 15,172 | In 14,492 Out 16,381 | In 16,022 Out 17,912 |

| | | | | | | | | |
|---------------------------------|---|--|--|--|--|--------|--|------------|
| Rotor | | | | | | | | |
| | Fixed Angle Rotor $\angle 28^\circ$ 12 x 15ml Radius(mm) : 97.1 | | Fixed Angle Rotor $\angle 25^\circ$ 12 x 15ml Conical Radius(mm) : 100.9 | | Fixed Angle Rotor $\angle 30^\circ$ 6 x 50ml Radius(mm) : 99.9 | | Fixed Angle Rotor $\angle 25^\circ$ 6 x 50ml Conical Radius(mm) : 95.7 | |
| Item | A1215T | | A1215TC | | A650T | | A650TC | |
| Tube | | | | | | | | |
| Volume (ml) | 15(16) | | 15 Conical | | 15 Conical | 50 | 15 Conical | 50 Conical |
| Adaptor / tube rack | | | | | | | | |
| Item | | | | | F50A-15C | | F50CA-15C | |
| Number per rack / rotor | 12 | | 12 | | 6 | 6 | 6 | 6 |
| Adaptor bore (mm) | 19 | | 17 | | 17 | 29.5 | 17 | 30 |
| Max. height for use (mm) | 117 | | 129 | | 122 | 120 | 124 | 121 |
| RPM | 12,000 | | 13,000 | | 12,000 | 12,000 | 13,000 | 13,000 |
| Radius (mm) | 97.1 | | 100.9 | | 94.3 | 99.9 | 91.3 | 95.7 |
| RCF | 15,632 | | 19,064 | | 15,182 | 16,083 | 17,250 | 18,082 |

••• AVAILABLE ANGLE ROTORS

























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|---------------------------------|--|---|---|---|---|---|---|
| Rotor |  Fixed Angle Rotor $\angle 30^\circ$ 8 x 50ml Radius(mm) : 103.4 | |  Fixed Angle Rotor $\angle 25^\circ$ 6 x 85ml Radius(mm) : 99.8 | | |  Fixed Angle Rotor $\angle 25^\circ$ 6 x 250ml Radius(mm) : 138.4 | |
| Item | A850T | | A685T | | | A6250T | |
| Tube |  |  |  |  |  |  |  |
| Volume (ml) | 15 Conical | 50 | 15 Conical | 50 Conical | 50 | 85 | 250 |
| Adaptor / tube rack |  | |  | | | | |
| Item | F50A-15C | | F85A-15C | F85A-50C | F85A-50 | | |
| Number per rack / rotor | 8 | 8 | 6 | 6 | 6 | 6 | 6 |
| Adaptor bore (mm) | 17 | 29.5 | 17 | 30 | 29 | 39 | 62 |
| Max. height for use (mm) | 123 | 120 | 123 | 122 | 118 | 118 | 126 |
| RPM | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 | 8,000 |
| Radius (mm) | 97.8 | 103.4 | 90.7 | 94.8 | 95.3 | 99.8 | 138.4 |
| RCF | 15,745 | 16,647 | 14,602 | 15,262 | 15,343 | 16,067 | 9,903 |

••• AVAILABLE SWING ROTORS
















LAB.SAFETY

CENTRIFUGES

LAB.BASIC

| S4250TE | EB250 | | EBS250 ¹⁾ | | | | | | | BW250 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|--|
|  |  |  | | | | | | | | |  | |
| | S250ET-3-12 | S250ET-5-12 | S250ET-10-12 | S250ET-15-12 | S250ET-15C-9 | S250ET-50-4 | S250ET-50C-3 | S250ET-85-2 | S250EA-250 | | | |
| |  |  |  |  |  |  |  |  |  | | | |
| |  |  |  |  |  |  |  |  |  |  |  | |
| Swing Out Rotor Max. RPM : 4,000 Radius(mm) : 182.5 Max. RCF : 3,265 | | | | | | | | | | | | |
| Capacity (ml) | 3 | 5 | 10 | 15 | 15 Conical | 50 | 50 Conical | 85 | 250 | MTP | DWP | |
| Number per rack / rotor | 12/48 | 12/48 | 12/48 | 12/48 | 9/36 | 4/16 | 3/12 | 2/8 | 1/4 | 4/16 | 1/4 | |
| Adaptor bore (mm) | 13.2 | 13.2 | 16 | 17.2 | 17 | 29.5 | 29.5 | 38.5 | 62.5 | - | - | |
| Max. height for use (mm) | 124 | 124 | 124 | 124 | 127 | 124 | 127 | 124 | 138 | - | - | |
| RPM | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | |
| Radius (mm) | 177.5 | 177.5 | 177.5 | 177.5 | 180.7 | 177.5 | 180.5 | 177.5 | 180.5 | 153.5 | 153.5 | |
| RCF | 3,175 | 3,175 | 3,175 | 3,175 | 3,232 | 3,175 | 3,229 | 3,175 | 3,229 | 2,746 | 2,746 | |




















• 1) EBS 250 : certified for dynamic microbiological test(En61010-020) by [TUV NORD](#)

| S4250T | B250 | | | | | | |
|---|---|---|---|---|---|---|---|
|  |  | | | | | | |
| | S250T-5-8 | S250T-10-7 | S250T-15-5 | S250T-15C-4 | S250T-50-2 | S250A-50C | - |
| |  |  |  |  |  |  | |
| |  |  |  |  |  |  |  |
| Swing Out Rotor Max. RPM : 4,500 Radius(mm) : 193.5 Max RCF : 4,381 | | | | | | | |
| Volume (ml) | 5 | 10 | 15 | 15 Conical | 50 | 50 Conical | 250 |
| Number per rack / rotor | 8/32 | 7/28 | 5/20 | 4/16 | 2/8 | 1/4 | 1/4 |
| Adaptor bore (mm) | 13.5 | 16 | 17.5 | 17 | 29.5 | 30 | 62.0 |
| Max. height for use (mm) | 145 | 145 | 145 | 148 | 145 | 150 | 150 |
| RPM | 4,500 | 4,500 | 4,500 | 4,500 | 4,500 | 4,500 | 4,500 |
| Radius (mm) | 190.5 | 190.5 | 190.5 | 193.5 | 190.5 | 193.5 | 193.5 |
| RCF | 4,313 | 4,313 | 4,313 | 4,381 | 4,313 | 4,381 | 4,381 |

• • • AVAILABLE SWING ROTORS

| S4750T | B750 | BS750 ²⁾ | | | | | | | B500 | BW750 | | |
|---|---|---|---|---|---|---|---|--|---|---|---|---|
|  |  |  | | | | | | |  |  | | |
| | S750T-3-24 | S750T-5-24 | S750T-10-19 | S750T-15-19 | S750T-15C-14 | S750T-50-7 | S750T-50C-5 | S750A-250 | | | | |
| |  |  |  |  |  |  |  |  | | | | |
| Swing Out Rotor Max. RPM : 4,000 Radius(mm) : 205 Max. RCF : 3,667 |  |  |  |  |  |  |  |  |  |  |  |  |
| Capacity (ml) | 3 | 5 | 10 | 15 | 15 Conical | 50 | 50 Conical | 250 | 750 | 500 | MTP | DWP |
| Number per rack / rotor | 24/96 | 24/96 | 19/76 | 19/76 | 14/56 | 7/28 | 5/20 | 1/4 | 1/4 | 1/4 | 4/16 | 1/4 |
| Adaptor bore (mm) | 13.2 | 13.2 | 16 | 17.2 | 17 | 29.5 | 29.5 | 62.5 | - | 70 | - | - |
| Max. height for use (mm) | 136 | 136 | 136 | 136 | 134 | 136 | 140 | 161 | 143 | 165 | - | - |
| RPM | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 |
| Radius (mm) | 198 | 198 | 198 | 198 | 196 | 198 | 202 | 205 | 205 | 213 | 170 | 170 |
| RCF | 3,542 | 3,542 | 3,542 | 3,542 | 3,506 | 3,542 | 3,613 | 3,667 | 3,667 | 3,810 | 3,041 | 3,041 |

• 2) BS 750 : certified for dynamic microbiological test(En61010-020) by [TUV NORD](#)

| S4100T | B100 | | | | | | | | | |
|---|---|---|---|---|---|--|---|---|---|--|
|  | | | | | | | | | | |
| | S100T-1.5-6 | S100T-5-5 | S100T-10-4 | S100T-15-3 | S100T-15C-3 | S100A-50 | S100A-50C | S100A-85 | S100A-100 | |
| |  |  |  |  |  |  |  |  |  | |
| Swing Out Rotor Max. RPM : 5,000 Radius(mm) : 177 Max. RCF : 4,947 |  |  |  |  |  |  |  |  |  | |
| Volume (ml) | 1.5 | 5 | 10 | 15 | 15 Conical | 50 | 50 Conical | 85 | 100 | |
| Number per rack / rotor | 6/24 | 5/20 | 4/16 | 3/12 | 3/12 | 1/4 | 1/4 | 1/4 | 1/4 | |
| Adaptor bore (mm) | 11 | 13.5 | 16 | 17.5 | 17 | 29.5 | 30 | 38.5 | 44 | |
| Max. height for use (mm) | 130 | 130 | 130 | 130 | 133 | 130 | 133 | 130 | 130 | |
| RPM | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | |
| Radius (mm) | 174 | 174 | 174 | 174 | 177 | 174 | 177 | 174 | 174 | |
| RCF | 4,683 | 4,683 | 4,683 | 4,683 | 4,947 | 4,683 | 4,947 | 4,683 | 4,683 | |