

SCILOGEX

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CATALOGUE

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SCILOGEX

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ROTARY EVAPORATORS

CENTRIFUGES

DISTILLING & MIXING

LIQUID HANDLING

Company Profile

SCIOLOGEX, LLC's sales and distribution facility is based in Rocky Hill Connecticut USA. We provide innovative and unique laboratory products for all areas of research. Every product has been carefully selected for quality and priced to meet your budget so your lab can operate at its highest level of efficiency. Our goal is to provide great products, great prices and great service.

SCIOLOGEX Liquid Handling Products and Bench-top Instruments are available through our authorized distributor network. To locate a distributor in your area, please contact us. Our knowledgeable staff will be delighted to provide you with pre-purchase support and product recommendations.

Our products are manufactured in an ISO9001 facility, CE marked, cTUVus certified for UL and CSA, so you can purchase in confidence. We thank you for your continued support and we look forward to bringing you new and exciting products at VERY competitive prices.



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SCILOGEX products are manufactured in accordance with ISO9001 and ISO13485. All products comply with EU and North America standards, CE, cTÜVus, FCC marked and subjected to the strict QC control.

SCILOGEX instruments are tested and conform to the following safety and EMC standards:

EN 61010-1

UL 3101-1

CAN/CSA C22.2(1010-1)

EN 61010-2-10

EN 61326-1

EMC-guidelines: 89/336/EWG

Instrument guidelines: 73/023/EWG



Liquid Handling

MicroPette Mechanical Pipettes

MicroPette Features

- Light pipetting forces and ergonomic design
- Clear and easy-to-read display with large numbers and precise increments
- Pipettes cover volume range of 0.1 μ L to 10mL
- Easy to calibrate and maintain with tool supplied
- Manufactured from innovative materials
- Calibrated in accordance with ISO8655. Each pipette supplied with individual test certificate
- The lower section can be autoclaved



Simply turn the plunger button for volume selection

Comfortable finger support

Tip ejector allows convenient one-handed operation

Ejector collar and tip cone can be removed

Durable tip cone materials provide excellent chemical resistance





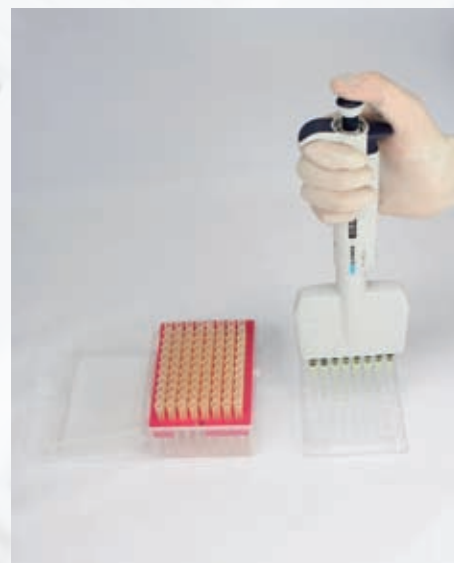
12 channels

MicroPette multi-channel Features

- 8 and 12 channel pipettes are available for standard 96-well plate
- Dispensing head rotates for optimum pipetting convenience
- Individual piston and tip cone assemblies allow easy repair and maintenance
- Compound material tip cone design allows visual seal verification
- Can be used with universal style pipette tips



8 channels



Calibration

All SCILOGEX pipettes have been quality tested according to ISO8655-2:2002 and are supplied with individual calibration certificates. The quality control includes gravimetric testing of each pipette with distilled water at 22°C.

Please visit our website for online calibration at www.scilogex.com. Using the online calibration software, users can perform simple, accurate and timely calibrations at no cost, and avoid calibration errors due to non-professional operation.

We will support and help you to achieve consistent excellent results.

MicroPette Plus Autoclavable Pipettes

MicroPette plus Features

- Fully autoclavable
- Light pipetting forces and ergonomic design
- Clear and easy-to-read display with large numbers and small increments
- The pipettes cover volume range of 0.1µL to 10mL
- Easy to calibrate and maintain with tool supplied
- Manufactured from innovative materials
- Calibrated in accordance with ISO8655. Each pipette supplied with individual test certificate



Simply turn the plunger button for volume selection

Comfortable Finger support

Tip ejector allows convenient one-handed operation

Ejector collar and tip cone can be removed

Durable tip cone materials provide excellent chemical resistance





12 channels



8 channels

MicroPette multi-channel plus Features

- 8 and 12 channel pipettes are available for standard 96-well plates
- Dispensing head rotates for optimum pipetting convenience
- Individual piston and tip cone assemblies allow easy repair and maintenance
- Compound material tip cone design allows visual seal verification
- Can be used with universal style pipette tips

Fully autoclavable

The MicroPette Plus pipettes can be fully autoclaved and withstood steam sterilization at 121°C, 1 atm for 20 minutes. The pipettes can be autoclaved without special preparation. After autoclaving the pipette must be cooled down and left to dry for 12 hours.

It is recommended to check the performance of the pipette after each autoclaving. It is also recommended to grease the piston and seal of the pipette after every 10 autoclave cycles.



MicroPette Plus Autoclavable Pipettes

Specifications

TopPette/ MicroPette / MicroPette Plus Mechanical
Pipettes (Adjustable and Fixed Volume)

| Single-channel Adjustable Volume Pipettes | | | | | | |
|---|-----------|-------------|--|--------|---|--------|
| Volume Range | Increment | Test Volume | Maximum permissible systematic error (Inaccuracy) | | Maximum permissible random error (Imprecision) | |
| | | | % | µL | % | µL |
| 0.1-2.5µL | 0.05µL | 2.5µL | 2.50% | 0.0625 | 2.00% | 0.05 |
| | | 1.25µL | 3.00% | 0.0375 | 3.00% | 0.0375 |
| | | 0.25µL | 12.00% | 0.03 | 6.00% | 0.015 |
| 0.5-10µL | 0.1µL | 10µL | 1.00% | 0.1 | 0.80% | 0.08 |
| | | 5µL | 1.50% | 0.075 | 1.50% | 0.075 |
| | | 1µL | 2.50% | 0.025 | 1.50% | 0.015 |
| 2-20µL | 0.5µL | 20µL | 0.90% | 0.18 | 0.40% | 0.08 |
| | | 10µL | 1.20% | 0.12 | 1.00% | 0.1 |
| | | 2µL | 3.00% | 0.06 | 2.00% | 0.04 |
| 5-50µL | 0.5µL | 50µL | 0.60% | 0.3 | 0.30% | 0.15 |
| | | 25µL | 0.90% | 0.225 | 0.60% | 0.15 |
| | | 5µL | 2.00% | 0.1 | 2.00% | 0.1 |
| 10-100µL | 1µL | 100µL | 0.80% | 0.8 | 0.15% | 0.15 |
| | | 50µL | 1.00% | 0.5 | 0.40% | 0.2 |
| | | 10µL | 3.00% | 0.3 | 1.50% | 0.15 |
| 20-200µL | 1µL | 200µL | 0.60% | 1.2 | 0.15% | 0.3 |
| | | 100µL | 0.80% | 0.8 | 0.30% | 0.3 |
| | | 20µL | 3.00% | 0.6 | 1.00% | 0.2 |
| 50-200µL | 1µL | 200µL | 0.60% | 1.2 | 0.15% | 0.3 |
| | | 100µL | 0.80% | 0.8 | 0.30% | 0.3 |
| | | 50µL | 1.00% | 0.5 | 0.40% | 0.2 |
| 100-1000µL | 5µL | 1000µL | 0.60% | 6 | 0.20% | 2 |
| | | 500µL | 0.70% | 3.5 | 0.25% | 1.25 |
| | | 100µL | 2.00% | 2 | 0.70% | 0.7 |
| 200-1000µL | 5µL | 1000µL | 0.60% | 6 | 0.20% | 2 |
| | | 500µL | 0.70% | 3.5 | 0.25% | 1.25 |
| | | 200µL | 0.90% | 1.8 | 0.30% | 0.6 |
| 1000-5000µL | 50µL | 5000µL | 0.50% | 25 | 0.15% | 7.5 |
| | | 2500µL | 0.60% | 15 | 0.30% | 7.5 |
| | | 1000µL | 0.70% | 7 | 0.30% | 3 |
| 2-10mL | 0.1mL | 10mL | 0.60% | 60 | 0.20% | 20 |
| | | 5mL | 1.20% | 60 | 0.30% | 15 |
| | | 2mL | 3.00% | 60 | 0.60% | 12 |



8-channel Adjustable Volume Pipettes

| Volume Range | Increment | Test Volume | Maximum permissible systematic error (Inaccuracy) | | Maximum permissible random error (Imprecision) | |
|--------------|-----------|-------------|---|-------|--|-------|
| | | | % | µL | % | µL |
| 0.5-10µL | 0.1µL | 10µL | 1.50% | 0.15 | 1.50% | 0.15 |
| | | 5µL | 2.50% | 0.125 | 2.50% | 0.125 |
| | | 1µL | 4.00% | 0.04 | 4.00% | 0.04 |
| 5-50µL | 0.5µL | 50µL | 1.00% | 0.5 | 0.50% | 0.25 |
| | | 25µL | 1.50% | 0.375 | 1.00% | 0.25 |
| | | 5µL | 3.00% | 0.15 | 2.00% | 0.1 |
| 50-300µL | 5µL | 300µL | 0.70% | 2.1 | 0.25% | 0.75 |
| | | 150µL | 1.00% | 1.5 | 0.50% | 0.75 |
| | | 50µL | 1.50% | 0.75 | 0.80% | 0.4 |

12-channel Adjustable Volume Pipettes

| Volume Range | Increment | Test Volume | Maximum permissible systematic error (Inaccuracy) | | Maximum permissible random error (Imprecision) | |
|--------------|-----------|-------------|---|-------|--|-------|
| | | | % | µL | % | µL |
| 0.5-10µL | 0.1µL | 10µL | 1.50% | 0.15 | 1.50% | 0.15 |
| | | 5µL | 2.50% | 0.125 | 2.50% | 0.125 |
| | | 1µL | 4.00% | 0.04 | 4.00% | 0.04 |
| 5-50µL | 0.5µL | 50µL | 1.00% | 0.5 | 0.50% | 0.25 |
| | | 25µL | 1.50% | 0.375 | 1.00% | 0.25 |
| | | 5µL | 3.00% | 0.15 | 2.00% | 0.1 |
| 50-300µL | 5µL | 300µL | 0.70% | 2.1 | 0.25% | 0.75 |
| | | 150µL | 1.00% | 1.5 | 0.50% | 0.75 |
| | | 50µL | 1.50% | 0.75 | 0.80% | 0.4 |

Fixed Volume Pipettes

| Volume Range | Increment | Test Volume | Maximum permissible systematic error (Inaccuracy) | | Maximum permissible random error (Imprecision) | |
|--------------|-----------|-------------|---|-------|--|-------|
| | | | % | µL | % | µL |
| 5µL | - | 5µL | 1.3% | 0.065 | 1.2% | 0.06 |
| 10µL | - | 10µL | 0.8% | 0.08 | 0.8% | 0.08 |
| 20µL | - | 20µL | 0.6% | 0.12 | 0.5% | 0.1 |
| 25µL | - | 25µL | 0.5% | 0.125 | 0.3% | 0.075 |
| 50µL | - | 50µL | 0.5% | 0.25 | 0.3% | 0.15 |
| 100µL | - | 100µL | 0.5% | 0.5 | 0.3% | 0.3 |
| 200µL | - | 200µL | 0.4% | 0.8 | 0.2% | 0.4 |
| 250µL | - | 250µL | 0.4% | 1.0 | 0.2% | 0.5 |
| 500µL | - | 500µL | 0.3% | 1.5 | 0.2% | 1.0 |
| 1000µL | - | 1000µL | 0.3% | 3.0 | 0.2% | 2.0 |
| 2000µL | - | 2000µL | 0.3% | 6.0 | 0.15% | 3.0 |
| 5000µL | - | 5000µL | 0.3% | 15 | 0.15% | 7.5 |



Pipette Stands

The linear and carousel stands have been perfectly designed to fit of SCIOLOGEX Pipette range, TopPette, MicroPette and MicroPette Plus Autoclavable Pipettes. The stands are a convenient way to hold up 6 pipettes both of single and multi-channel



The linear stand can hold up to 6 single and multi-channel pipettes



The carousel stand rotates smoothly and comfortably hold up to 6 pipettes





The StepMate Stepper is Ideal for routine or research applications in diagnostics, molecular biology, environmental analysis, and many more.

The StepMate Stepper works on the positive displacement principle. This offers the highest precision dispensing of liquid media with high viscosity, high density, or high vapor pressure. It can also provide up to 48 dispensing steps, thereby improving work efficiency greatly.

Features

- Lightweight and ergonomic
- One-hand operation
- Factory calibrated
- Volume range from 1µL to 5mL
- Up to 48 dispensing steps
- Maintenance free
- Equipped with durable tip insertion lever
- Works with seven sizes of disposable, polypropylene syringes from 0.5mL to 50mL

Optimized for smooth dispensing of even the smallest volumes

Five easy-to-select settings control dispensing volume

By pushing the slide upwards, the syringe is filled up

Select the Dispensing Volume

- Find the required dispensing volume
- Use the adjusting wheel to set the required volume
- Select and inserting suitable tips
- Confirm the maximum dispensing steps

Select suitable tips

Dispensing Volume

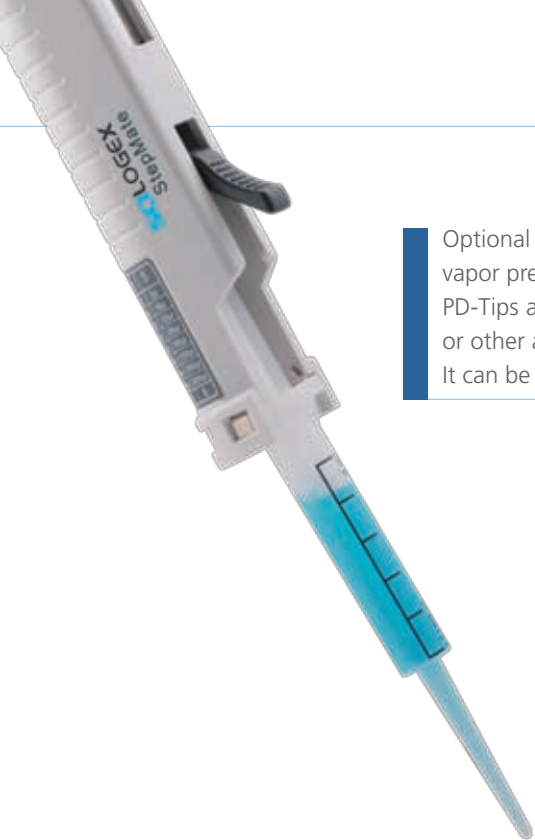
| Tips | Sel. | 1 | 2 | 3 | 4 | 5 |
|---------|------|--------|--------|--------|--------|--------|
| 0.05ml | | 1µl | 2µl | 3µl | 4µl | 5µl |
| 0.50ml | | 10µl | 20µl | 30µl | 40µl | 50µl |
| 1.25ml | | 25µl | 50µl | 75µl | 100µl | 125µl |
| 2.50ml | | 50µl | 100µl | 150µl | 200µl | 250µl |
| 5.00ml | | 100µl | 200µl | 300µl | 400µl | 500µl |
| 12.50ml | | 250µl | 500µl | 750µl | 1000µl | 1250µl |
| 25.00ml | | 500µl | 1000µl | 1500µl | 2000µl | 2500µl |
| 50.00ml | | 1000µl | 2000µl | 3000µl | 4000µl | 5000µl |
| Steps | | 48 | 23 | 15 | 11 | 8 |

Steps

The stop lever secures the syringe



StepMate Stepper



Optional BRAND PD-tips are particularly suitable for dispensing of fluids with high viscosity, high vapor pressure etc

PD-Tips are made from high-quality materials (Cylinder: PP, Piston: PE-HD) without soft lubricants or other additives

It can be used with compatible, third-party dispensing systems of BRAND, Rainin and Eppendorf



Specifications

Note: The first and last dispensing liquid should be discarded for precision.

| Dial setting | 1 | 2 | 3 | 4 | 5 | | |
|--------------|---|---|---|---|---|--|--|
|--------------|---|---|---|---|---|--|--|

| | | | | | | | |
|-----------------|----|----|----|----|---|--|--|
| Number of steps | 48 | 23 | 15 | 11 | 8 | | |
|-----------------|----|----|----|----|---|--|--|

| Syringe volume (mL) | Sample volume (μL) | | | | | A % | P % |
|---------------------|--------------------|----|----|----|----|-------|-------|
| 0.50 | 10 | 20 | 30 | 40 | 50 | ± 0.8 | ≤ 0.7 |

| | | | | | | | |
|------|----|----|----|-----|-----|-------|-------|
| 1.25 | 25 | 50 | 75 | 100 | 125 | ± 0.8 | ≤ 0.5 |
|------|----|----|----|-----|-----|-------|-------|

| | | | | | | | |
|------|----|-----|-----|-----|-----|-------|-------|
| 2.50 | 50 | 100 | 150 | 200 | 250 | ± 0.8 | ≤ 0.4 |
|------|----|-----|-----|-----|-----|-------|-------|

| | | | | | | | |
|------|-----|-----|-----|-----|-----|-------|-------|
| 5.00 | 100 | 200 | 300 | 400 | 500 | ± 0.4 | ≤ 0.3 |
|------|-----|-----|-----|-----|-----|-------|-------|

| | | | | | | | |
|-------|-----|-----|-----|------|------|-------|-------|
| 12.50 | 250 | 500 | 750 | 1000 | 1250 | ± 0.3 | ≤ 0.3 |
|-------|-----|-----|-----|------|------|-------|-------|

| | | | | | | | |
|-------|-----|------|------|------|------|-------|-------|
| 25.00 | 500 | 1000 | 1500 | 2000 | 2500 | ± 0.2 | ≤ 0.3 |
|-------|-----|------|------|------|------|-------|-------|

| | | | | | | | |
|-------|------|------|------|------|------|-------|-------|
| 50.00 | 1000 | 2000 | 3000 | 4000 | 5000 | ± 0.2 | ≤ 0.2 |
|-------|------|------|------|------|------|-------|-------|



Features

- Pipette controller for use with pipettes from 0.1 - 100mL
- Eight speeds are available for aspirate and dispense liquid
- Large LCD display provides visual confirmation of remaining battery charge and speed settings
- Easy for one-handed operation
- Lightweight, ergonomic designs allow longer, fatigue-free pipetting
- Efficient lithium-ion battery offers long runtime on each charge
- Low battery alert
- Powerful motor fills a 25mL pipette in <5 seconds
- Supplied with integral but replaceable 0.45µm filter
- Can be used while charging

Large LCD display provides the remaining battery life and speed settings

Select the desired coarse speed by press the button +/-



Comfortable aspirate and dispense triggers control fine volume speed

The dispense button is pressed only up to a point where a check can be felt, the dispensing function will be based on the force of gravity and the liquid will simply flow out

The 0.45µm integral filter and adapter are replaceable

Silicone adapter suitable for 0.1-100mL pipettes that can be fully autoclaved at 121°C





Levo Plus Pipette Filler



Specifications

| | |
|----------------------|---|
| Aspirate Speeds | 8 |
| Dispense Speeds | 8 Gravity Dispense |
| Battery | Lithium-Ion |
| Battery Service Life | More than 8 Hours of Intermittence Use |
| Charging Time | 2~3 Hours |
| Pipette Types | Glass or Plastic Pipette(0.1-100mL), Pasteur Pipettes |
| Filter | 0.45 μ m Hydrophobic |



Two-position stand



Levo Pipette Controllers

Features

- Five colors available
- Comfortable and simple to use
- Precise pipetting control
- Robust and lightweight
- 0.1-100mL volumetric or serological pipettes can be used
- Filling and delivery are easily controlled with a small sensitive lever
- Uses integral and replaceable 3µm filter
- Easy to maintain and clean
- Autoclavable silicone pipette holder

Compress the suction bellows before attaching the pipette

Button to expel residual liquid when using blow-out pipettes

Filling and delivery are easily controlled with the small sensitive lever

The integral 3.0µm filter and adapter are replaceable

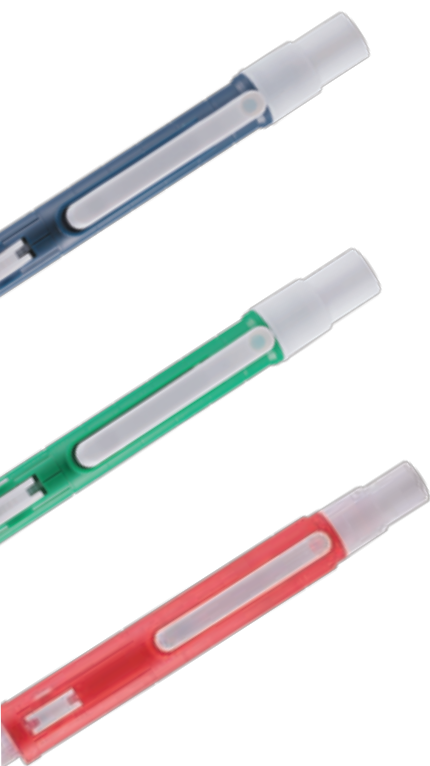
Silicone adapter suitable for 0.1-100mL pipettes



Pipette Pump is easy for one hand operation and optimally located thumbwheel rotates easily for precision aspirating or dispensing. By depressing the side lever, entire contents can be dispensed rapidly.

Features

- Volume capacity 2mL, 10mL and 25mL
- Color coded by volume with green, blue and red
- Thumbwheel for precision operation
- Resistant to acids, alkalis
- Easily disassembly for cleaning



DispensMate Bottle-Top Dispensers

Quick and easy volume adjustment

Smooth piston design provides effortless dispensing

Closure cap protects, against reagent contact and is easy to attach and remove, even while wearing gloves

Adapters allow fitting to standard reagent bottles

Filling tube adjusts easily to different size bottles

Features

- Excellent chemical resistance
- Fully autoclavable at 121°C
- Four ranges of bottle-top dispenser cover a volume range from 0.5mL to 50mL
- Easy to clean and maintain
- The optional flexible discharge tube with safety handle permits fast and precise dispensing
- Made of PTFE, FEP, BSG, PP
- Vapor pressure Max. 500mbar, viscosity max. 500mm²/s, temperature max. 40°C, density max. 2.2g/cm³
- DispensMate plus is supplied with S40, GL32, GL38, GL25, GL28 sized adapters

Specifications

| Volume Range mL | Graduation mL | A \leq \pm | | CV \leq | |
|--------------------|------------------|----------------|---------|-----------|---------|
| | | % | μ L | % | μ L |
| 0.5-5 | 0.1 | 0.5 | 25 | 0.1 | 5 |
| 1.0-10 | 0.2 | 0.5 | 50 | 0.1 | 10 |
| 2.5-25 | 0.5 | 0.5 | 125 | 0.1 | 25 |
| 5.0-50 | 1.0 | 0.5 | 250 | 0.1 | 50 |

Accessories

S40, Adapter,
45/40mm

GL32, Adapter,
45/32mm

GL38, Adapter,
45/38mm

GL25, Adapter,
32/25mm

GL28, Adapter,
32/28mm

Reagent Bottle
(Brown, 1L, Options)

Filling tube(m)

Discharge tube(m)

NEW



SAFEVAC Vacuum Aspiration System is ideal for aspiration of liquid and their subsequent disposal, and widely used in the removal of media from cell cultures, draw the supernatants after centrifugation or the wash solutions from immune-assay well-plates, etc, providing the safety first for the laboratory.



Specifications

| | |
|----------------------------|--------------------------------|
| Vacuum range | -300 to -600 mbar (adjustable) |
| Pump flow rate | 8 L/min (air) |
| Aspiration rate of liquids | 17 mL/s (aspiration pipette) |
| Noise emission | < 55 dB(A) at 1m |
| Dimensions [W× D× H]mm | 180 × 240 × 450 |
| Weight | 3 kg |
| Input voltage | 100-240 VAC, 50/60 Hz |

Features

- Integrated pump with vacuum control, easy to operate in every application
- Self-closing connectors for quick installation and prevention of drips or aerosol escape.
- Level sensor detecting, prevents liquid overflow
- Autoclavable waste collection bottle and nozzle
- Many accessory options for productive aspirations





NEW

Application:

The diluter & dispenser system can greatly improve work efficiency in the sample preparation process, so it is widely used in the Analytical Techniques such as High Performance Liquid Chromatography (HPLC); Gas Chromatography (GC); Liquid Scintillation; Atomic Absorption (AA); Inductively Coupled Plasma Spectroscopy (ICP). It can also be used in forensic Analysis; Mining Industry; Oil Sampling; Environmental Analysis; Reagent Dispensing, etc.



Specifications

| | |
|--------------------------------------|--|
| Accuracy | ±1% |
| Precision | ± 0.2% |
| Flow Rate | 0.003-6000 μ L/s (depending on the syringe that is selected) |
| Compatible Syringes | 25, 50, 100, 250, 500 μ L, 1, 2.5, 5, 10, 25mL |
| Fluid Path | Borosilicate, PTFE, CTFE |
| Voltage[VAC] | 100-240 |
| Frequency[Hz] | 50/60 |
| Dimensions[WxDxH] mm | 190 x180x 350 |
| Weight [kg] | 4.5 |
| Permissible relative temperature[°C] | 5-40 |
| Permissible relative humidity | 80% |

DL-D50-Pro Dispenser & Diluter Systems

Features

- It is ideal for dedicated dispensing and diluting applications
- Four operating modes with two syringes, such as dual syringe diluter, single syringe dispenser, dual syringes dispenser and continuous dispenser
- Pipeline and procedure switching is simple
- The high torque, precision stepper motors provide unsurpassed positional accuracy
- Full range from 25 μ L to 25mL
- Compatible with 10 kinds of Syringe range
- Adjustable pipetting speed for 9 stages





Distilling&Mixing

HB120-S LED Digital Dry Bath

HB120-S LED Digital Dry Bath with various interchangeable heating blocks is idea for molecular biology, histology, clinical, environmental and industrial laboratories, including melting and boiling point determination, enzyme reactions, incubation and activation of cultures, immunoassays, DNA denaturation, culture media tests, coagulation tests, blood-urea-nitrogen determinations and in-situ hybridizations.

Features:

- A broad temperature range to 120°C, for a variety of applications
- Continuous and timed operation
- Various types of optional block are available
- Over temperature protection

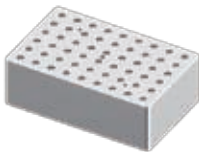
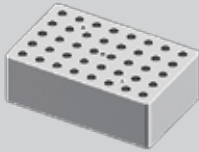



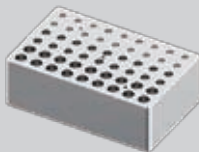

Specifications

| Items | Specifications |
|--|-----------------------------|
| Voltage [VAC] | 100-120/200-240 |
| Frequency [Hz] | 50/60 |
| Power [W] | 160 |
| Dimension of blocks[mm] | 150×95 |
| Heating temperature range[°C] | Room temp. +5-120 |
| Temperature display | LED |
| Control accuracy [°C] | ±0.5 |
| Safety temperature[°C] | 140 |
| Timer | Yes |
| Time setting range | 1 -99h59min |
| Operation type | Continuous/ timed operation |
| Dimensions[WxDxH mm] | 175×290×85 |
| Weight[kg] | 1.6(without heating block) |
| Permissible ambient temperature[°C] | 5 - 40 |
| Permissible relative humidity | 80% |
| Protection class according to DIN EN 60529 | IP 21 |





Block specification:

| | Capacity(tubes) | No. of wells | Pore size: Ø(mm) | Well depth(mm) |
|---|----------------------|--------------|------------------|----------------|
|  | 0.2mL | 54 | 6.4 | 15 |
|  | 0.5mL | 40 | 8.2 | 26.4 |
|  | 1.5/2mL | 40 | 11 | 34.7 |
|  | 5/15mL | 28 | 17 | 48 |
|  | 50mL | 8 | 29.8 | 48 |
|  | 0.2mL+0.5mL+1.5/2mL | 18+18+18 | - | - |
|  | 96 or 384 well plate | 1 | - | - |

RE100-Pro LCD Digital Rotary Evaporator



Features:

- Large digital LCD screen displays heating temperature, rotation speed and time
- Motor lift configurations, automatic release of the evaporating flask to top position in case of power failure
- Wide temperature range of the 5L heating bath (Room temp. -180 °C) covers the widest applicational needs and has a safety temperature cut off 220°C
- Speed range from 20 to 280 rpm, and interval operation in clockwise and counterclockwise directions for drying process
- Patented condenser (cooling surface 1,500 cm²) with excellent cooling effect
- Experience the advantage of the automatic process timer which turns off your evaporator at a pre-programmed time and removes the evaporating flask from the bath
- Easy evaporating flask removal thanks to the ejector
- Chemical-resistant double PTFE system and patented pressure spring provide excellent sealing
- PC can control and document all parameters via USB interface

- Large digital LCD screen displays heating temperature, rotation speed and timing.
- Integrated operating panel is located below the bath and thus outside the hazardous area.

5L water-oil heating bath
Heating temperature range:
Room temp.-180°C



Specifications

| | |
|--------------------------------------|--------------------|
| Voltage [VAC] | 100-120/200-240 |
| Frequency [Hz] | 50/60 |
| Power [W] | 1400 |
| Motor Principle | Brushless DC motor |
| Speed Range [rpm] | 20-280 |
| Speed Display | LCD |
| Reversible Direction of Rotation | Yes |
| Heating Temperature Range [°C] | Room temp.-180 |
| Heat Control Accuracy [°C] | ±1 |
| Heat Output [W] | 1300 |
| Temperature Display | LCD |
| Lift | Motor |
| Stroke [mm] | 150 |
| Timer | Yes |
| Timer Display | LCD |
| Time Setting Range [min] | 1-999 |
| Overall Dimensions [D×W×H mm] | 465×457×583 |
| Weight [kg] | 15 |
| Permissible Ambient Temperature [°C] | 5-40 |
| Permissible Relative Humidity | 80% |
| Protection Class acc. To DIN EN60529 | IP20 |
| USB Interface | Yes |

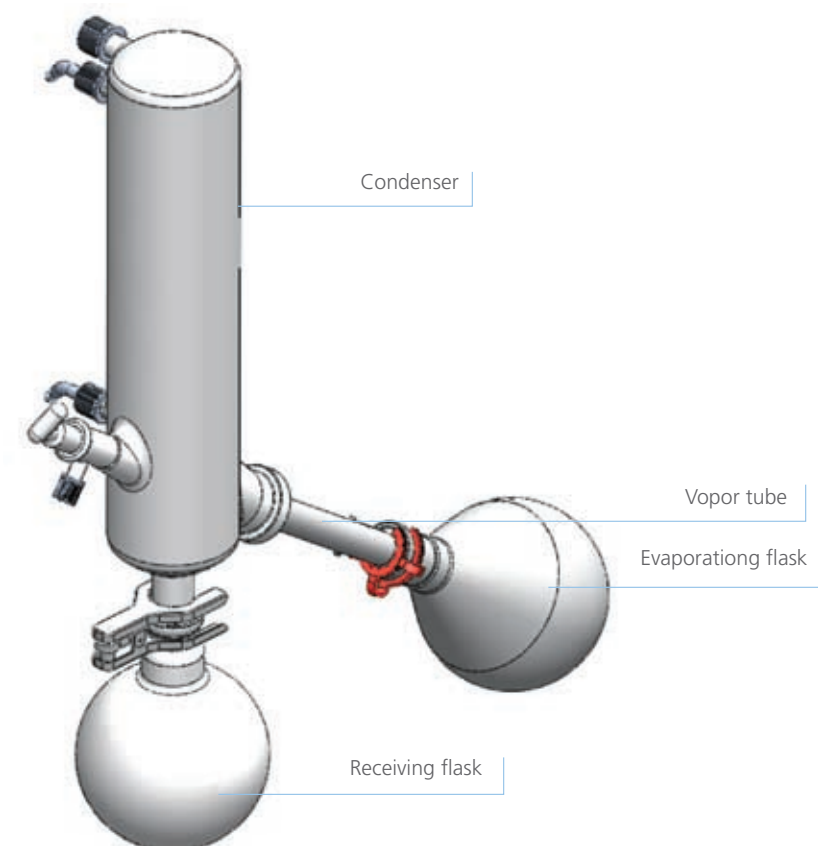


Rotary Evaporators

Accessories

condenser

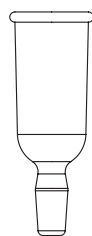
Condenser type: vertical
Cooling surface: 1500 cm²



Evaporating flask
NS29/32, NS 24/40



Receiving flask
KS 35/20



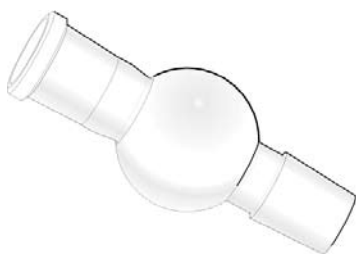
Connector



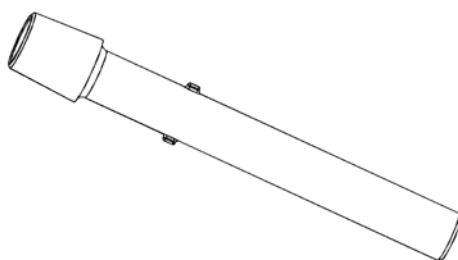
| Volume |
|--------|
| 50mL |
| 100mL |
| 250mL |
| 500mL |
| 1000mL |
| 2000mL |
| 3000mL |

| Volume |
|--------|
| 100mL |
| 250mL |
| 500mL |
| 1000mL |
| 2000mL |

| Size |
|-------|
| 29/24 |
| 29/19 |
| 29/14 |



Foam brake, 250mL



Vapor tube



Seal

Vacuum pump



| | | |
|--------------------------|----------|-----------|
| Voltage [V] | | 110,220 |
| Frequency [Hz] | | 50/60 |
| Power [W] | | 95 |
| Maximum Vacuum [mbar] | | 13 |
| Pump Speed | 0 mmHg | 25 L/min |
| | 100 mmHg | 22 L/min |
| | 200 mmHg | 20 L/min |
| | 300 mmHg | 12 L/min |
| | 400 mmHg | 7.5 L/min |
| | 550 mmHg | 5 L/min |
| Suction Nozzle Size [mm] | | 8 |
| Motor speed [rpm] | | 1450 |
| Weight [kg] | | 7 |
| Noise [dB] | | 50 |

Recirculating chiller



| | | |
|-----------------------------------|-------|-----------|
| Model | | F250 |
| Temperature range [°C] | | -10~+40 |
| Temperature stability [°C] | | ±0.5 |
| Temperature display | | LED |
| Pump capacity flow rate [L/min] | | 15 |
| Pump capacity flow pressure [bar] | | 0.35 |
| Cooling capacity | 20 °C | 0.25KW |
| | 10 °C | 0.22 KW |
| | 5 °C | 0.21KW |
| | 0 °C | 0.18 KW |
| | -5 °C | 0.09 KW |
| Filling volume [L] | | 1.7 ~ 2.6 |
| Weight [kg] | | 27 |
| Dimensions [W×L×H, cm] | | 24×40×52 |

Magnetic Hotplate Stirrers

7 Inch Square Magnetic Hotplate Stirrers

SCILOGEX 7 inch square magnetic hotplate stirrers with 550°C heating temperature, glass ceramic plate, brushless DC motor and external temperature sensor PT1000, which provides excellent product performance. They are widely used in chemical synthesis, physical and chemical analysis, bio-pharmaceuticals and other fields.

Temperature up to 550°C

MS7-H550-Pro

With external temperature sensor PT1000

Plug and play PT1000 temperature sensor accessor
• Control accuracy is $\pm 0.2^{\circ}\text{C}$

Glass ceramic plate
• High temperture resistance
• Excellent chemical resistance
• Easy to clean

Brushless DC motor
• Explosion-proof
• Maintenance free
• Accurate speed control

Digital LCD display
• For precise temperature and speed control
• "Hot" indicator warning to prevent burns

Enclosed aluminum alloy casing
• Excellent chemical resistance
• Excellent thermal resistance



MS7-H550-Pro

LCD Digital Magnetic Hotplate Stirrer

Features

- Backlit LCD display for precise monitoring of speed and temperature
- Built-in PID controller ensures maximum heat-up times while preventing an over temperature of the sample
- Temperature up to 550°C
- Separate safety circuits with fixed safety temperature of 580°C
- Plug and play PT 1000 sensor accessory for precise temperature control. Control accuracy: $\pm 0.2^{\circ}\text{C}$
- Excellent heat control accuracy of the work plate: $\pm 1 (<100^{\circ}\text{C}) \pm 1\% (>100^{\circ}\text{C})$
- Electronic speed control, the max speed is 1500rpm maximum
- Brushless DC motor is maintenance free, explosion-proofed with accurate speed control
- Independent control knobs for adjusting the speed and temperature
- "HOT" indicator warning, even if switched off
- PC can control and document all parameters via RS232 interface using 3rd party software



MS7-H550-Pro

With colored reaction blocks



Magnetic Hotplate Stirrers

MS7-H550-S

LED Digital Magnetic Hotplate Stirrer

Features

- LED displays target and actual temperatures
- Speed range is 0-1500rpm
- Temperature up to 550°C
- Separate safety circuits with fixed safety cut off temperature of 580°C
- Plug and play PT1000 external temperature sensor is available. The control accuracy is $\pm 0.5^{\circ}\text{C}$
- "HOT" indicator warning, even if switched off



MS7-H550-S

With external PT1000 temperature sensor



5 Inch Round-top Magnetic hotplate Stirrers

SCIOLOGEX's 340°C magnetic hotplate stirrers include all leading safety standards and features for superior ease of use and reduced cost of ownership. They are widely used in chemical synthesis, physical and chemical analysis, bio-pharmaceuticals and other fields.

SCIOLOGEX's 280°C magnetic hotplate stirrer is the only low temperature magnetic stirrer in the world, incorporating a microprocessor and LED display with the option probe used with an plug and play PT1000 temperature sensor.

Temperature to 340°C

- Plug and play PT1000 temperature sensor and support stand accessory
- Control accuracy is $\pm 0.2^{\circ}\text{C}$

- Brushless DC motor
- Explosion-proof
 - Maintenance free
 - Accurate speed control

- Digital LCD display
- For precise temperature and speed control
 - "Hot" sign warning to prevent burns

RS232 interface

- Fully closed aluminum alloy casing
- High IP protection class(IP42)

MS-H-Pro⁺

With external temperature sensor PT1000



MS-H-Pro⁺ LCD Digital Magnetic Hotplate Stirrer

MS-H-Pro^T **NEW** LCD Digital Magnetic Hotplate Stirrer with Timer

Features:

Safe Heating and Mixing

- Conforms to international safety standards and regulations
- Brushless DC motor is maintenance free and explosion-proof
- Fully closed aluminum alloy casing has a high IP protection class(IP42)
- The temperature sensor consists of two independent safety circuits, which switches off heating in case of any over temperature situation
- "HOT" sign warning to prevent burns, even if switched off

Precise temperature and speed control

- Temperature to 340°C
- Plug and play PT1000 temperature sensor accessory for precise temperature control. Control accuracy is $\pm 0.2^{\circ}\text{C}$
- Excellent heat control accuracy at the work plate: $\pm 1(<100^{\circ}\text{C}) \pm 1\%(>100^{\circ}\text{C})$
- Electronic speed control, max speed is 1500rpm

Convenient

- Digital process timer provides unattended operation and can be set from 1min to 99h 59min. When the set time has elapsed, the heat turns off. (MS-H-Pro^T)
- Backlit LCD displays target and actual temperatures and speed
- Integral temperature sensor technology with plug and play transfer to PT1000 sensor operating mode
- Stainless steel with ceramic coated hotplate allows immediate heat transfer for quick heat-up times, chemical-resistant and scratch proof
- Max. stirring quantity 20L
- PC can control and document all parameters via RS232 interface
- A wide variety of accessories are available



MS-H-Pro^T



MS-H-Pro⁺



MS-H-S

Classic Magnetic Hotplate Stirrer

Features:

Safe Heating and Mixing

- Temperature to 340°C
- Stirring speed up to 1500rpm
- Stainless steel with ceramic coated hotplate allows immediate heat transfer for quick heat-up times, chemical-resistant and scratch proof
- Separated safety circuit, automatically stops heating if temperature goes over 350°C
- Enclosed assembly with protection class IP42
- Brushless DC motor maintenance free and explosion-proof



MS-H280-Pro

LED Digital Magnetic Hotplate Stirrer

Features:

- Digital control system is ideal for applications of Analytical and biological Laboratory.
- Temperature to 280°C
- Electronic speed control, the max speed is 1500rpm.
- Stainless steel with ceramic coated hotplate allows immediate heat transfer for quick heat-up times, chemical-resistant and scratchproof
- External PT1000 temperature sensor accessory is available with control accuracy of $\pm 0.5^\circ\text{C}$.
- LED display shows temperature and speed.
- 50°C HOT warning indicates residual hotplate temperature.
- ABS casing with heat resistant and resistance of weak acids and alkalis



MS-H280-Pro

With external temperature sensor
PT1000 accessory



Magnetic Hotplate Stirrers

MS-H-S10 10-Channel Classic Magnetic Hotplate Stirrer

Features:

- Temperature to 120°C
- High-performance multi-position magnetic stirrer with uniform temperature distribution
- Specially controlled stirring for consistency with various samples
- Electronic speed control motor provides constant speed
- Speed range of 0-1100rpm
- Brushless DC motor for maintenance free operation and quiet operation
- Stainless steel plate with anti-slip and anti-corrosion silicone surface





Stirrer bars

Stirrer bars and stirrer bar remover(PTFE),
use below 150°C

Models

MS-H550-Pro
MS-H550-S
MS-H-Pro⁺
MS-H-Pro^T
MS-H-S
MS-S
MS-H280-Pro
MS-PA
MS-PB
MS-H-S10
MS-M-S10

| Cat. No. | Size of stirrer bars (L x Ø) [mm] | Suitable for Max. stirrer bar 80mm | Suitable for Max. stirrer bar 50mm | Suitable for Max. stirrer bar 40mm |
|----------|---|---|---|---|
| 18900006 | 10mm x 6mm | • | • | • |
| 18900007 | 15mm x 8mm | • | • | • |
| 18900008 | 20mm x 8mm | • | • | • |
| 18900009 | 25mm x 8mm | • | • | • |
| 12500005 | 30mm x 6mm | • | • | • |
| 18900011 | 40mm x 8mm | • | • | • |
| 12500004 | 51mm x 8mm | • | • | |
| 18900013 | 65mm x 8mm | • | | |
| 18900014 | 80mm x 13mm | • | | |
| 18900015 | Stirrer bar remover, length of 200mm | • | • | • |

Magnetic Hotplate Stirrers

Specifications of Hotplate Magnetic Stirrer



| | MS7-H550-Pro | MS7-H550-S | MS-H-Pro ⁺ | MS-H-Pro ^T | MS-H-S | MS-H280-Pro | MS-H-S10 |
|--|-----------------------------|-----------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|
| Dimension of work plate [mm] | 184x184 (7 inch) | 184x184 (7 inch) | φ135(5 inch) | φ135(5 inch) | φ135(5 inch) | φ135(5 inch) | 180x450 |
| Work plate material | Glass ceramic | Glass ceramic | Stainless steel with ceramic coated | Stainless steel with ceramic coated | Stainless steel with ceramic coated | Stainless steel with ceramic coated | Stainless steel with silicone Film |
| Motor type | Brushless DC motor | Shaded pole motor | Brushless DC motor | Brushless DC motor | Brushless DC motor | DC motor | Brushless DC motor |
| Motor rating input [W] | 18 | 15 | 18 | 18 | 18 | 5 | 12 |
| Motor rating output [W] | 10 | 1.5 | 10 | 10 | 10 | 3 | 4 |
| Power [W] | 1050 | 1030 | 550 | 550 | 530 | 515 | 490 |
| Voltage [VAC] | 100-120/200-240 | 100-120/200-240 | 100-120/200-240 | 100-120/200-240 | 100-120/200-240 | 100-120/200-240 | 100-120/200-240 |
| Frequency [Hz] | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 |
| Stirring positions | 1 | 1 | 1 | 1 | 1 | 1 | 10 |
| Max. stirring quantity [H ₂ O], L | 20 | 10 | 20 | 20 | 20 | 3 | 0.4 (each stirring position) |
| Max. magnetic bar (L x Ø) [mm] | 80 | 80 | 80 | 80 | 80 | 50 | 40 |
| Speed range [rpm] | 100-1500 | 0-1500 | 100-1500 | 100-1500 | 0-1500 | 100-1500 | 0-1100 |
| Speed display | LCD | Scale | LCD | LCD | Scale | LED | Scale |
| Speed display resolution [rpm] | ±1 | - | ±1 | ±1 | - | - | - |
| Heating output [W] | 1000 | 1000 | 500 | 500 | 500 | 500 | 470 |
| Heating temperature range [°C] | Room Temp.-550, increment 1 | Room temp.-550, increment 5 | Room temp.-340, increment 1 | Room temp.-340, increment 1 | Room temp.-340 | Room temp.-280, increment 1 | Room temp.-120 |
| Control accuracy of work plate [°C] | ±1(<100°C) ±1%(>100°C) | ±10 | ±1(<100°C) ±1%(>100°C) | ±1(<100°C) ±1%(>100°C) | - | ±1(<100°C) ±1%(>100°C) | - |
| Safety temperature [°C] | 580 | 580 | 360 | 360 | 350 | 320 | 140 |
| Temperature display | LCD | LED | LCD | LCD | Scale | LED | Scale |
| Temperature display accuracy [°C] | ±0.1 | ±1 | ±0.1 | ±0.1 | - | ±1 | - |
| External temperature sensor | PT1000 | PT1000 | PT1000 | PT1000 | N/A | PT1000 | N/A |
| Control accuracy with external temperature sensor PT1000 [±°C] | ±0.2 | ±0.5 | ±0.2 | ±0.2 | - | ±0.5 | - |
| Heating warning [°C] | 50°C | 50°C | 50°C | 50°C | N/A | 50°C | N/A |
| Time setting range | - | - | - | 1min to 99h 59min | - | - | - |
| Remote control (RS232 interface) | Yes | N/A | Yes | Yes | N/A | N/A | N/A |
| Protection class | IP21 | IP21 | IP42 | IP42 | IP42 | IP21 | IP42 |
| Dimension [W x D x H] mm | 215x360x112 | 215x360x112 | 160x280x85 | 160x280x85 | 160x280x85 | 150x260x80 | 182x622x65 |
| Weight [kg] | 5.3 | 4.5 | 2.8 | 2.8 | 2.8 | 1.8 | 3.2 |
| Permissible ambient temperature [°C] | 5-40 | 5-40 | 5-40 | 5-40 | 5-40 | 5-40 | 5-40 |
| Permissible relative humidity | 80% | 80% | 80% | 80% | 80% | 80% | 80% |

MS-H-Pro⁺
with PT1000
and 1/4 color
pies

Magnetic hotplate stirrers are available to hold quarter color pies (volume range from 4mL to 16mL) and reaction blocks (volume range from 50mL to 500mL), which ensure uniform heating distribution and excellent resistance to chemicals. The color pies and blocks with aluminum material which are easy to clean and safety for lab.

[illegible]

MS-H-Pro⁺
with PT1000
and reaction
block

| Cat. No. | 18900019 | 18900016 | 18900136 | 18900017 | 18900148 |
|--------------|---|---|---|-------------------------|---|
| Descriptions | F101 protective cover, for hotplate models, temperature resistance of 135°C | PT1000-A, temperature sensor for digital hotplate models, length of 230mm | PT1000-B, temperature sensor with glass coated, length of 230mm, used for digital hotplate models | Support clamp of PT1000 | Support clamp of PT1000, use with MS-H280-Pro |

Magnetic Stirrers

MS-S Classic Magnetic Stirrer

Features:

- Speed range of 0-1500 rpm
- Max. stirring quantity 20L
- Stainless steel with ceramic coated hotplate provides chemical-resistance and scratch resistance
- High magnetic adhesion prevents stirrer spin bar release
- Enclosed assembly with protection class IP42
- Brushless DC motor is maintenance free and explosion-proof



MS-S

MS7-S 7" Square Classic Magnetic Stirrer

Features:

- Speed range of 0-1500 rpm
- Max. stirring quantity 10L
- Glass ceramic plate, excellent chemical resistance and easy to clean



MS7-S

MS-PA

MS-PA LED Digital Magnetic Stirrer

Features:

- Speed range of 100-1500 rpm
- Max. stirring quantity 3L
- LED display shows set and actual speeds
- Microprocessor control technology guarantees speed control accuracy
- ABS casing with heat resistance and resistance of weak acids and alkalis



MS-PB

MS-PB Classic Magnetic Stirrer

Features:

- Speed range of 0-1500 rpm
- Max. stirring quantity 3L
- ABS casing with heat resistance and resistance of weak acids and alkalis

MS-M-S10

10-Channel Classic Magnetic Stirrer

Features:

- Speed range of 0-1100rpm
- High-performance magnetic stirrer with 10 stirring positions benefit laboratory space
- Individually controlled stirring for consistency with various samples
- Brushless DC motor provides maintenance free and constant speed
- Stainless steel plate with anti-slip and anti-corrosion silicone surface



MS-M-S10

MS-M-S16

16-Channel Classic Magnetic Stirrer

Features:

- Speed range of 0-1100rpm
- High-performance magnetic stirrer with 16 stirring positions minimizes bench space
- Individually controlled stirring for consistency with various samples
- Stainless steel plate with anti-slip and anti-corrosion silicone surface
- 16 stirring positions in total, 4 rows with individual speed control

NEW



MS-M-S16

Magnetic Stirrers

Specifications



MS7-S



MS-S



MS-PA



MS-PB



MS-M-S10



MS-M-S16

| | MS7-S | MS-S | MS-PA | MS-PB | MS-M-S10 | MS-M-S16 |
|---|-------------------|-------------------------------------|--------------|--------------|------------------------------------|------------------------------------|
| Dimension of work plate [mm] | 184 x 184(7 inch) | φ135(5 inch) | φ135(5 inch) | φ135(5 inch) | 180×450 | 365×345 |
| Work plate material | Glass ceramic | Stainless steel with ceramic coated | Plastic | Plastic | Stainless steel with silicone Film | Stainless steel with silicone Film |
| Motor type | Shaded pole motor | Brushless DC motor | DC motor | DC motor | Brushless DC motor | DC motor |
| Motor rating input [W] | 15 | 18 | 5 | 5 | 12 | 12 |
| Motor rating output [W] | 1.5 | 10 | 3 | 3 | 4 | 4 |
| Power [W] | 30 | 30 | 15 | 10 | 20 | 20 |
| Voltage [VAC] | 100-120/200-240 | 100-240 | 100-240 | 100-240 | 100-240 | 100-240 |
| Frequency [Hz] | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 |
| Stirring positions | 1 | 1 | 1 | 1 | 10 | 16 |
| Max. stirring quantity[H ₂ O], L | 10 | 20 | 3 | 3 | 0.4 (each stirring position) | 0.4 (each stirring position) |
| Max. magnetic bar(L x Ø) [mm] | 80 | 80 | 50 | 50 | 40 | 40 |
| Speed range [rpm] | 0-1500 | 0-1500 | 100-1500 | 0-1500 | 0-1100 | 0-1100 |
| Speed display | Scale | Scale | LED | Scale | Scale | Scale |
| Protection class according to DIN EN60529 | IP21 | IP42 | IP42 | IP42 | IP42 | IP42 |
| Dimension [W x D x H] mm | 215 x 360 x 112 | 160×280×85 | 150×260×80 | 150×260×80 | 182×622×65 | 380×622×65 |
| Weight [kg] | 3.8 | 2.8 | 1.8 | 1.8 | 3.2 | 6 |
| Permissible ambient temperature [°C] | 5-40 | 5-40 | 5-40 | 5-40 | 5-40 | 5-40 |
| Permissible relative humidity | 80% | 80% | 80% | 80% | 80% | 80% |



FlatSpin

Ultra-flat Compact Magnetic Stirrer

Ultra-flat compact magnetic stirrer, provides excellent mixing and is ideal for physical-chemical, analysis and biotech labs.

- Speed range of 15-1500rpm
- Automatic reverse rotation for excellent mixing
- High IP protection class (IP 65)
- Plate is made from chemically resistant materials
- Slip-resistant and stable



Specifications

| | |
|--|------------|
| Voltage[VAC] | 100-240 |
| Frequency [Hz] | 50/60 |
| Motor rating input[W] | 5 |
| Motor rating output[W] | 3 |
| Speed range[rpm] | 15-1500 |
| Max. stirring quantity[H ₂ O,L] | 0.8 |
| Max. load capacity[kg] | 2.0 |
| Dimension of work plate[mm] | 90×90 |
| Material | ABS |
| Dimension[W×D×H] | 175×120×15 |
| Weight[kg] | 0.3 |
| Permissible relative temperature[°C] | 5-40 |
| Permissible relative humidity | 80% |
| DIN EN60529 | IP65 |

HP550-S

LED Digital Hotplate

Features:

- LED displays target and actual temperatures
- Temperature to 550°C.
- Separate safety circuits with a fixed safety temperature of 580°C
- PT1000 external temperature sensor is available. The control accuracy is $\pm 0.5^\circ\text{C}$
- "HOT" sign warning to prevent burns, even if switched off.



Specifications

| | |
|--|-----------------------------|
| Dimension of work plate [mm] | 184x184 (7 inch) |
| Work plate material | Glass ceramic |
| Power [W] | 1010 |
| Voltage [VAC] | 100-120/200-240 |
| Frequency [Hz] | 50/60 |
| Heating Power [W] | 1000 |
| Heating temperature range [°C] | Room temp.-550, increment 5 |
| Control accuracy of work plate [°C] | ± 10 |
| Safety temperature [°C] | 580 |
| Temperature display | LED |
| Temperature display accuracy [°C] | ± 1 |
| External temperature sensor | PT1000 |
| Control accuracy with external temperature sensor PT1000 [$\pm^\circ\text{C}$] | ± 0.5 |
| Heating warning [°C] | 50°C |
| Protection class according to DIN EN60529 | IP21 |
| Dimension [W x D x H] mm | 215x360x112 |
| Weight [kg] | 4.5 |
| Permissible ambient temperature [°C] | 5-40 |
| Permissible relative humidity | 80% |



SCIOGEX Overhead Stirrers can accomplish the most demanding tasks while providing the highest safety and increased performance life! They are widely used in chemical synthesis, pharmaceutical synthesis, physical and chemical analysis, petrochemical industries etc.

Pass-through shaft design,
easy to replace vessels

Overload protection

- Gradual excelleration
- Guarantee a constant speed



LCD displays
set/ actual speeds and torque

- Brushless DC motor
- Maintenance free
 - Explosion-proof
 - Accurate speed control

RS232 interface

Keyless chuck
Easily remove the stirring
rods without tools

OS20-Pro / OS40-Pro

Push-through shaft design,
easy to replace vessels

Overload protection



LED displays actual speed

- Brushless DC motor
- Maintenance free
 - Explosion-proof
 - Accurate speed control

Keyless chuck
Easily remove the stirring
rods without tools

OS20-S / OS40-S

OS20-Pro / OS40-Pro LCD Digital Overhead Stirrer

Features:

- High reliability, long continuous service, outstanding performance
- Digital speed display, with a speed range from 50 to 2200rpm. The control accuracy is ± 3 rpm
- Brushless DC motor drive, maintenance free and explosion-proof
- LCD display for precise monitoring set and actual speeds
- Torque trend display for real-time information on viscosity changes
- Protection - Safety circuits installed ensures automatic cut-off in an anti-stall or overload conditions
- Gradual excelleration prevents spills and splashing media
- Provides a constant speed even with changes in viscosities of the sample
- RS232 interface- PC can control and document all operation values via RS232 interface and 3rd party software

OS20-Pro / OS40-Pro

With universal plate stand



OS20-S / OS40-S

LED Digital Overhead Stirrer

Features:

- High reliability, long continuous service, outstanding performance
- Speed range from 50 to 2200rpm
- Brushless DC motor drive, maintenance free and explosion-proof
- LED displays actual speed
- Overload protection - motor automatically stops in case of overload

| | OS40-Pro | OS20-Pro | OS40-S | OS20-S |
|---|-----------------------------------|----------------|----------------|----------------|
| Max. stirring quantity(H ₂ O)[L] | 40 | 20 | 40 | 20 |
| Motor rating input[W] | 120 | 60 | 120 | 60 |
| Motor rating output[W] | 100 | 50 | 100 | 50 |
| Voltage[VAC] | 100-240 | 100-240 | 100-240 | 100-240 |
| Frequency [Hz] | 50/60 | 50/60 | 50/60 | 50/60 |
| Power[W] | 130 | 70 | 130 | 70 |
| Speed range[rpm] | 50-2200 | 50-2200 | 50-2200 | 50-2200 |
| Speed display accuracy[rpm] | ±3 | ±3 | - | - |
| Speed display | LCD | LCD | LED | LED |
| Speed display resolution[rpm] | ±1 | ±1 | ±1 | ±1 |
| Max. torque[Ncm] | 60 | 40 | 60 | 40 |
| Torque display | LCD | LCD | - | - |
| Overload protection | LED lights, motor automatic stops | | | |
| Motor protect | LED lights, motor automatic stops | | | |
| Viscosity max. [mPas] | 50000 | 10000 | 50000 | 10000 |
| Chuck range diameter[mm] | 0.5-10 | 0.5-10 | 0.5-10 | 0.5-10 |
| Dimension[W x H x D] (mm) | 83 x 220 x 186 | 83 x 220 x 186 | 83 x 220 x 186 | 83 x 220 x 186 |
| Weight[kg] | 2.8 | 2.6 | 2.8 | 2.6 |
| Protection class acc. to DIN/EN 60529 | IP42 | IP42 | IP42 | IP42 |
| Temperature[°C] | 5-40 | 5-40 | 5-40 | 5-40 |
| Permission relative humidity[%] | 80 | 80 | 80 | 80 |
| Remote control(RS232 interface) | Yes | Yes | N/A | N/A |

OS20-S / OS40-S
With universal plate stand



Overhead Stirrers

Accessories

Cat. No: 18900131

Universal plate stand (W x D: 20 x 31cm), including support holder (H: 78cm) and fixing device

Cat. No: 18900071

Crossed stirrer, shaft length 40cm, stirrer diameter 5cm, 316L stainless steel
Standard stirring element, used at medium and high speeds

Cat. No: 18900072

Straight stirrer, shaft length 40cm, stirrer diameter 6cm, 316L stainless steel
Suitable for mixing of low viscosity media, used at medium and high speeds

Cat. No: 18900073

Blade stirrer, shaft length 40cm, stirrer diameter 6.8cm, 316L stainless steel
Gentle processing samples, used at low and medium speeds

Cat. No: 18900074

Centrifugal stirrer, shaft length 40cm, stirrer diameter 9cm, 316L stainless steel
Blades open with increasing speed for stirring in a round vessel with a narrow neck, used at medium and high speeds

Cat. No: 18900075

Crossed stirrer, shaft length 35cm, stirrer diameter 6.5cm, PTFE coated
Standard stirring element, used at medium and high speeds

Cat. No: 18900076

Straight stirrer, shaft length 35cm, stirrer diameter 7cm, PTFE coated
Suitable for mixing of low viscosity media, used at medium and high speeds

Cat. No: 18900077

Blade stirrer, shaft length 35cm, stirrer diameter 6.8cm, PTFE coated
Gentle processing samples, used at low and medium speeds

Cat. No: 18900078

Centrifugal stirrer, shaft length 35cm, stirrer diameter 8.5cm, PTFE coated
Blades open with increasing speed for stirring in a round vessel with a narrow neck, used at medium and high speeds



Mixers, Rotators and Rollers

Vortex Mixers

Vortex Mixers are ideal instruments for gentle mixing to vigorous resuspension of cells and biological and chemical liquid components in tubes using an eccentric mechanism. They are widely used in life science, physical and chemical analysis fields.



MX-S

With standard top cup VT1.1 adjustable speed



MX-S Vortex Mixer

Features:

- Touch and continuous operations
- Speed range of 0-2500rpm, stepless speed regulation
- Used for various mixing applications with optional adapters
- Specially designed vacuum suction feet for excellent stability
- Aluminium cast base for excellent stability



Accessories(MX-S)



MX-S

With VT1.3-universal top plate and a tube adapter
Continuous operation



MX-S

With VT1.1-standard top cup
Touch operation



MX-S

With VT1.2-holding rod and
tube adapter Touch operation



Cat. No: 18900034

VT1.1 Standard top
for <Ø30mm tubes and small vessels



Cat. No: 18900035

VT1.3 Universal top plate
Ø 100mm



Cat. No: 18900020

VT1.3.1 tube adapter
for 48 holes test tubes, Ø6mm,
used with VT1.3/ VT1.2



Cat. No: 18900021

VT1.3.2 tube adapter
for 15 holes test tubes, Ø10mm,
used with VT1.3/ VT1.2



Cat. No: 18900022

VT1.3.3 tube adapter
for 12 holes test tubes, Ø12mm,
used with VT1.3/ VT1.2



Cat. No: 18900023

VT1.3.4 tube adapter
for 8 holes test tubes,
Ø16mm, used with
VT1.3/ VT1.2



Cat. No: 18900024

VT1.3.5 tube adapter
for 8 holes test tubes, Ø20mm, used
with VT1.3/ VT1.2



Cat. No: 18900043

VT1.3.6 Platform pad
for <Ø99mm tubes and small vessels



Cat. No: 18900044

VT1.2 Tube holding rod
used with tube adapters



Cat. No: 18900158

VT1.3.7 Rubber vacuum suction foot

Application of accessories

| Accessories | Adjustable speed model (0-2500rpm) | |
|-----------------|---------------------------------------|-------------------------------------|
| | Touch mode (High speed area) | Continuous mode (Low speed area) |
| VT1.1 | Y | Y |
| VT1.2 + VT1.3.1 | Y | |
| VT1.2 + VT1.3.2 | Y | |
| VT1.2 + VT1.3.3 | Y | |
| VT1.2 + VT1.3.4 | Y | |
| VT1.2 + VT1.3.5 | Y | |
| VT1.3 + VT1.3.6 | Y | |
| VT1.3 + VT1.3.1 | | Y |
| VT1.3 + VT1.3.2 | | Y |
| VT1.3 + VT1.3.3 | | Y |
| VT1.3 + VT1.3.4 | | Y |
| VT1.3 + VT1.3.5 | | Y |



MX-E



MX-E Classic Vortex Mixer

- Touch operation
- Fixed speed at 3000rpm
- Small compact shape, ultra shock mount
- Eccentric bearing design

Specifications

| | MX-S (Adjustable speed) | MX-E (Fixed speed) |
|-------------------------------------|-----------------------------|-----------------------|
| Voltage[VAC] | 110-120/220-230 | 100-240 |
| Frequency[Hz] | 50/60 | 50/60 |
| Power[W] | 60 | 20 |
| Mixing motion | Orbital | Orbital |
| Orbital diameter[mm] | 4 | 4.8 |
| Motor rating input[W] | 58 | 12 |
| Motor rating output[W] | 10 | 8 |
| Speed range[rpm] | 0-2500 | 3000 |
| Speed display | Scale | - |
| Run type | Continuous/ touch operation | Touch operation |
| Dimensions[W×H×D mm] | 127×130×160 | 134×134×70.5 |
| Weight[kg] | 3.5 | 0.8 |
| Permissible ambient temperature[°C] | 5-40 | 5-40 |
| Permissible relative humidity | 80% | 80% |
| Protection class acc. DIN EN60529 | IP21 | IP21 |

Mixers, Rotators and Rollers

Microplate Mixers

Compact and universal the MX-M Microplate Mixer can hold one or two microplates, and is used in life sciences including microbiology, cell and molecular biology, immunology and biotechnology.



MX-M

With microplate clamp
(supplied as standard)



MX-M

With double microplate clamp
(accessory)



MX-M

With universal top plate
and a tube adapter
(accessory)

Accessories



Cat. No: 18900042

PS1.2 Microplate clamp



Cat. No: 18900079

MXM-116
Double microplate clamps



Cat. No: 18900067

PS1.1 Universal top plate (round)
Used with tube adapters



Cat. No: 18900020

VT1.3.1 tube adapter
for 48 holes test tubes, Ø6mm,
used with PS1.1



Cat. No: 18900021

VT1.3.2 tube adapter
for 15 holes test tubes, Ø10mm,
used with PS1.1



Cat. No: 18900022

VT1.3.3 tube adapter
for 12 holes test tubes, Ø12mm,
used with PS1.1



Cat. No: 18900023

VT1.3.4 tube adapter
for 8 holes test tubes, Ø16mm,
used with PS1.1



Cat. No: 18900024

VT1.3.5 tube adapter
for 8 holes test tubes,
Ø20mm, used with PS1.1

Specifications

| | |
|---|---|
| Voltage [VAC] | 100-240 |
| Frequency[Hz] | 50/60 |
| Power[W] | 20 |
| Shaking movement | Orbital |
| Orbital diameter[mm] | 4.5 |
| Max. shaking weight(with accessory)[kg] | 0.5 |
| Motor type | Brushless DC motor |
| Motor rating input[W] | 18 |
| Motor rating output [W] | 10 |
| Speed range[rpm] | Single microplate: 0-1500 Double microplate : 0-1000 |
| Speed display | Scale |
| Dimensions[mm] | 260×150×80 |
| Weight[kg] | 3 |
| Permissible ambient temperature [°C] | 5-40 |
| Permissible relative humidity | 80% |
| Protection class acc. to DIN EN60529 | IP21 |



Rotators

Our rotators give gentle but effective mixing of biological samples held in 1.5mL to 50mL micro tubes, and are used in a variety of applications including immune precipitations, prevention of blood coagulation, latex diagnostics etc.



MX-RD-Pro

LCD Digital Rotator



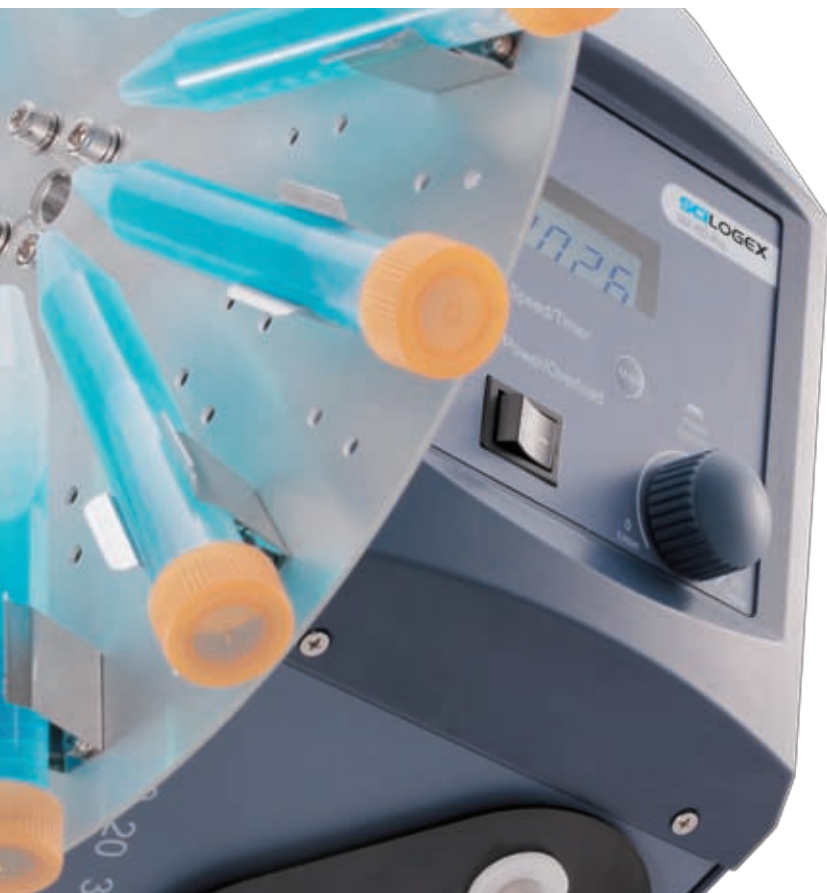
MX-RD-Pro

With dish accessory



MX-RD-Pro

With dual disks
and support rods



MX-RD-Pro LCD Digital Rotator

Features:

- The rotator comes with a disk to be holder
- Electronic adjustment of speed and time
- LCD displays for speed and time adjustment
- Speed range from 10 to 70rpm
- Rolling action, gives gentle but effective mixing
- Adjustable mixing angle between 0 and 90°
- Used with a wide variety of accessories

Mixers, Rotators and Rollers

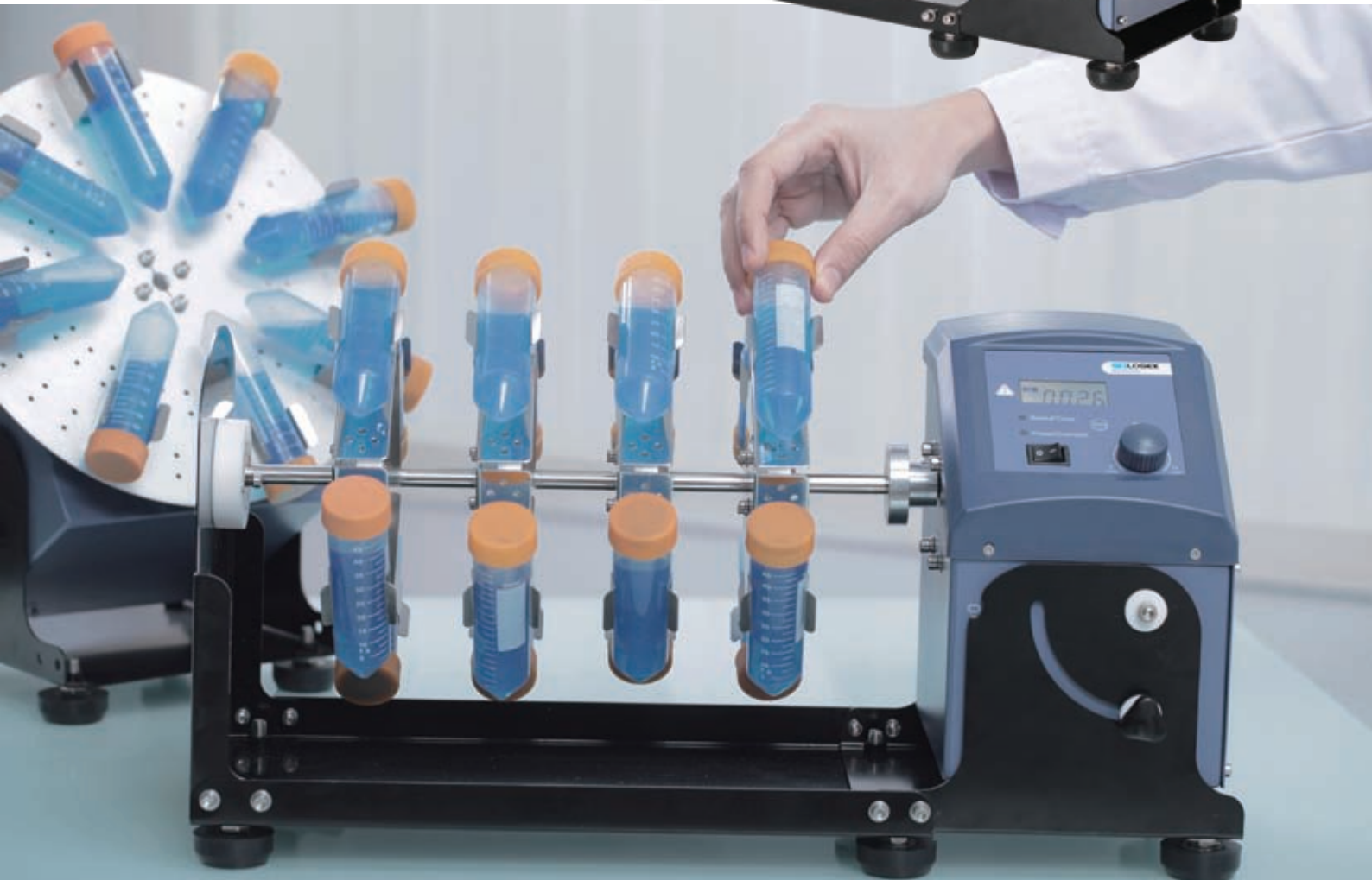
MX-RL-Pro LCD Digital Rotator

Features:

- Supplied with a rotisserie to be holder
- Electronic adjustment of speed and timer
- LCD displays speed and time adjustment
- Speed range from 10 to 70rpm
- End-over-end action, gives gentle but effective mixing
- Used with a wide variety of accessories

MX-RL-Pro

With rotisserie accessory



Accessories



Cat. No:18900160

Used for MX-RD-Pro
Disk accessory, for 1.5mL x
60 centrifuge tubes holder



Cat. No:18900161

Used for MX-RD-Pro
Disk accessory, 15mL x 16
centrifuge tubes holder



Cat. No:18900162

Used for MX-RD-Pro
Disk accessory, 50mL x 8
centrifuge tubes holder



Cat. No:18900140

Disk support rods,
4 pcs, use with disk
accessories



Cat. No:18900142

Used for MX-RL-Pro
Rotisserie accessory, for
1.5mL x 48 centrifuge tubes
held horizontally



Cat. No:18900143

Used for MX-RL-Pro
Rotisserie accessory, for
15mL x 24 centrifuge
tubes held horizontally



Cat. No:18900144

Used for MX-RL-Pro
Rotisserie accessory, for
50mL x 24 centrifuge
tubes held horizontally



Cat. No:18900145

Used for MX-RL-Pro
Rotisserie accessory, for
1.5mL x 32 centrifuge
tubes held vertically



Cat. No:18900146

Used for MX-RL-Pro
Rotisserie accessory, for
15mL x 16 centrifuge
tubes held vertically



Cat. No:18900147

Used for MX-RL-Pro
Rotisserie accessory, for
50mL x 16 centrifuge
tubes held vertically



| | MX-RD-Pro / MX-RL-Pro | MX-RD-E / MX-RL-E |
|--------------------------------------|--|--|
| Voltage [VAC] | 100-240 | 100-240 |
| Frequency [Hz] | 50/60 | 50/60 |
| Power [W] | 40 | 20 |
| Motor type | DC motor | DC motor |
| Tilt angle [°] | 0-90 | 90 |
| Speed range [rpm] | 10-70 | 0-80 |
| Speed display | LCD | - |
| Timer | Yes | - |
| Timer display | LCD | - |
| Time setting range [min] | 1-1199 | - |
| Operation type | Continuous / timed operation | Continuous |
| Dimensions [DxWxH mm] | 220x510x260(MX-RL-Pro) 280x210x300(MX-RD-Pro) | 150x530x190(MX-RL-E) 300x220x310(MX-RD-E) |
| Weight [kg] | 8 | 1.7(MX-RL-E) 2.0(MX-RD-E) |
| Permissible ambient temperature [°C] | 5-40 | 5-40 |
| Permissible relative humidity | 80% | 80% |
| Protection class acc. To DIN EN60529 | IP21 | IP21 |

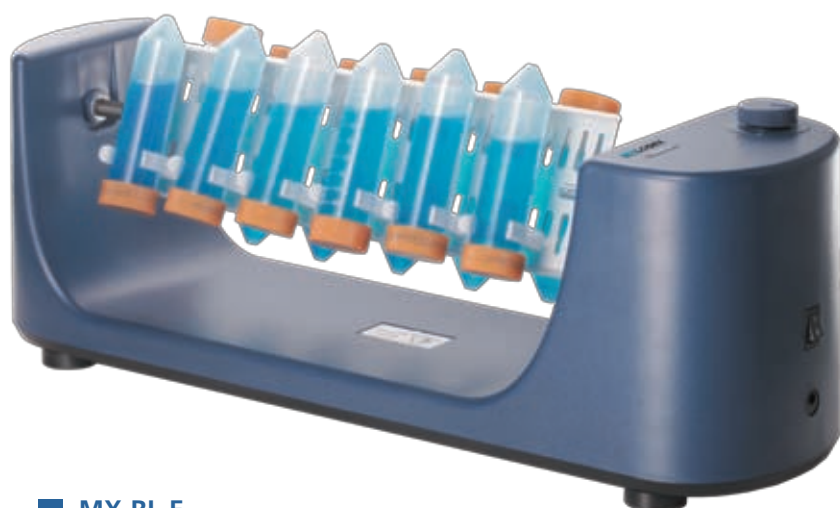
MX-RL-E / MX-RD-E Classic Rotator

Features:

- Provides gentle and effective mixing of biological samples
- Compact space-saving design fits easily into incubators
- End-over-end or rolling action, gives gentle but effective mixing
- Used with a wide variety of accessories, for micro tubes with a volume range of 1.5mL-50mL
- Adjustable speed range of 0 to 80 rpm



MX-RD-E



MX-RL-E



Used with MX-RL-E/MX-RD-E Disk/Rotisserie accessory, for 1.5mL, 15mL and 50mL centrifuge tubes



Tube Rollers

Our tube rollers provide a gentle and highly efficient rocking and rolling motions, ideal for mixing blood samples, viscous substances and liquid-solid suspensions. Used in a variety applications, prevention of blood coagulation and immune precipitation etc.

MX-T6-S Classic Tube Roller

Features:

- Rocking and rolling motion for complete mixing
- Speed range of 0-70rpm
- Six roller design with small footprint and easy cleaning
- Designed for continuous operation



MX-T6-S

MX-T6-Pro LCD Digital Tube Roller

Features:

- Rocking and rolling motion for complete mixing
- LCD display the speed and time
- Speed range of 10-70rpm
- Six roller design with small footprint and easy clean
- Designed for continuous or timed operation



Mixers, Rotators and Rollers

Specifications

| | MX-T6-Pro | MX-T6-S |
|--------------------------------------|------------------------------|----------------------|
| Voltage [VAC] | 100-240 | 100-240 |
| Frequency [Hz] | 50/60 | 50/60 |
| Power [W] | 30 | 25 |
| Motor type | DC motor | DC motor |
| Rocking motion | Rocking and rolling | Rocking and rolling |
| Amplitude [mm] | 24 | 24 |
| Max. load capacity [kg] | 4 | 4 |
| Number of rollers | 6 | 6 |
| Roller size (L) [mm] | 280 | 280 |
| Speed range [rpm] | 10 -70 | 0-70 |
| Speed display | LCD | Scale |
| Timer | Yes | - |
| Timer display | LCD | - |
| Time setting range [min] | 1-1199 | - |
| Operation type | Continuous / timed operation | Continuous operation |
| Dimensions [D×W×H mm] | 450×260×120 | 450×260×120 |
| Weight [kg] | 5.1 | 4.5 |
| Permissible ambient temperature [°C] | 5-40 | 5-40 |
| Permissible relative humidity | 80% | 80% |
| Protection class acc. To DIN EN60529 | IP21 | IP21 |



Shakers

Orbital and Linear Shakers

Digital orbital and linear shakers provide smooth and quiet motions for mixing in culture dishes, flasks and beakers.



SK-O180-Pro / SK-L180-Pro SK-O330-Pro / SK-L330-Pro LCD Digital Orbital and Linear Shakers

Features

- Compact, orbital and Linear shakers with an ideal shaking motion, for a maximum shaking weight of 7.5kg and 2.5kg
- Max load capacity (with platform) is 7.5kg or 2.5kg
- Independent LCD display for speed and time adjustment. Speed and timer can be viewed simultaneously
- Wide range of platforms for use with a variety of vessels
- Electronic time switching clock controls time or continuous operation mode
- Brushless DC motor, long service life and maintenance free
- Over speed detection and protection
- Multi-voltage



SK-O180-S / SK-L180-S

LED Digital Orbital and Linear Shaker

NEW

Features

- Orbital and linear shakers with ideal an shaking motion, for a maximum shaking weight (with platform)of 3kg
- LED displays the speed and timer
- Compact space-saving design fits easily in the incubator and refrigerator
- Continuous or timed operation, speed range of 70-200 rpm
- Wide range of platforms for use with a variety of vessels
- Multi-voltage



SK-O180-S / SK-L180-S



SK-O180-E/SK-L180-E

Classic Orbital and Linear Shakers

Features

- Orbital and linear shakers with ideal an shaking motion, for a maximum shaking weight (with platform)of 3kg
- Compact space-saving design fits easily in the incubator and refrigerator
- Continuous operation, speed range of 0-200 rpm
- Wide range of platforms for use with a variety of vessels
- Comes with a trans platform
- Multi-voltage



SK-O180-E / SK-L180-E

Specifications

| | SK-O330-Pro SK-L330-Pro | SK-O180-Pro SK-L180-Pro | SK-O180-S SK-L180-S | SK-O180-E SK-L180-E |
|--|-------------------------------------|-------------------------------------|---------------------------------|------------------------|
| Voltage[VAC] | 100-240 | 100-240 | 100-240 | 100-240 |
| Frequency[Hz] | 50/60 | 50/60 | 50/60 | 50/60 |
| Power[W] | 30 | 30 | 30 | 30 |
| Shaking motion | Orbital/Linear | Orbital /Linear | Orbital /Linear | Orbital /Linear |
| Orbital diameter[mm] | 10 | 4 | 20 | 20 |
| Max. load capacity (with platform) [kg] | 7.5 | 2.5 | 3 | 3 |
| Motor type | Brushless DC motor | Brushless DC motor | DC motor | DC motor |
| Motor rating input[W] | 28 | 28 | 16 | 16 |
| Motor rating output[W] | 15 | 15 | 10 | 10 |
| Speed range[rpm] | 100-350(Linear) 100-500(Orbital) | 100-350(Linear) 100-800(Orbital) | 70-200 | 0-200 |
| Speed display | LCD | LCD | LED | - |
| Timer | Yes | Yes | Yes | - |
| Timer display | LCD | LCD | LED | - |
| Time setting range | 1min-19h59min | 1min-19h59min | 1min-19h59min | - |
| Operation type | Continuous / timed operation | Continuous / timed operation | Continuous / timed operation | Continuous operation |
| Dimensions[WxDxH mm] | 370x420x100 | 300x340x100 | 270x330x110 | 270x330x110 |
| Weight[kg] | 13.5 | 8.1 | 3.1 | 3.1 |
| Permissible ambient temperature[°C] | 5-40 | 5-40 | 5-40 | 5-40 |
| Permissible relative humidity | 80% | 80% | 80% | 80% |
| Protection class acc. DIN EN60529 | IP21 | IP21 | IP21 | IP21 |
| RS232 interface | Yes | Yes | - | - |

Rocking Shakers & 3D Shakers

Rocking shakers and 3D shakers are suitable for mixing applications in wide fields including, gel staining and destaining, washes, hybridisations, immune precipitation and Western blots etc.



SK-R330-Pro

With non-slip mat



SK-R330-Pro LCD Digital Rocking Shaker

Features

- Smooth see-saw rocking motion with fixed angle 9°
- Max load capacity (with platform) is up to 10kg
- Speed range of 10-70rpm
- Designed for continuous or timed operation
- Digital speed control and LCD display, speed and timer can be viewed simultaneously
- Wide range of accessory platform to be used for variable size vessels, and non-slip Mat holds vessels and prevents slipping
- Comes with a trans platform
- Multi-voltage

SK-R1807-S LED Digital Rocking shaker

Features

- Rocking shaker with ideal an shaking motion, for a maximum shaking weight (with platform)of 3kg
- LED displays the speed and timer
- Compact space-saving design fits easily in the incubator and refrigerator
- Continuous and timed operation, speed range of 10-80 rpm
- Wide range of platforms for use with a variety of vessels
- Multi-voltage

NEW



SK-R1807-S
With non-slip mat





SK-R1807-E Classic Rocking Shaker

NEW

Features

- Rocking shaker with ideal shaking motion, for a maximum shaking weight(with platform) of 3kg
- Compact space-saving design fits easily in the incubator and cryogenic box
- Wide range of platforms for use with a variety of vessels
- Aluminium-alloyed platform provides strong bearing capability, with non-slip mat holds vessels and prevents slipping
- Continuous operation, speed range of 0-80 rpm
- Comes with a trans platform
- Multi-voltage



SK-R1807-E
With non-slip mat

Specifications

| | SK-R330-Pro | SK-R1807-S | SK-R1807-E |
|---|------------------------------|------------------------------|----------------------|
| Voltage [VAC] | 100-240 | 100-240 | 100-240 |
| Frequency [Hz] | 50/60 | 50/60 | 50/60 |
| Power [W] | 50 | 20 | 20 |
| Motor type | DC motor | DC motor | DC motor |
| Rocking motion | See-saw rocking | See-saw rocking | See-saw rocking |
| Tilt angle [°] | 9° | 7° | 7° |
| Max. load capacity (with platform) [kg] | 10 | 3 | 3 |
| Speed range [rpm] | 10-70 | 10-80 | 0-80 |
| Speed display | LCD | LED | - |
| Timer | Yes | Yes | - |
| Timer display | LCD | LED | - |
| Time setting range | 1min-19h59min | 1min-19h59min | - |
| Operation type | Continuous / timed operation | Continuous / timed operation | Continuous operation |
| Dimensions[WxDxH mm] | 360×410×200 | 270×330×130 | 270×330×130 |
| Weight [kg] | 9 | 3.2 | 3.2 |
| Permissible ambient temperature [°C] | 5-40 | 5-40 | 5-40 |
| Permissible relative humidity | 80% | 80% | 80% |
| Protection class acc. To DIN EN60529 | IP21 | IP21 | IP21 |

Shakers



SK-D3309-Pro LCD Digital 3D Shaker

Features

- Gentle 3D motion with fixed angle 9°
- Max load capacity (with platform) is up to 5kg
- Speed range of 10-70rpm
- Designed for continuous or timed operation
- Independent LCD display for speed and time adjustment. Speed and timer can be viewed simultaneously
- Wide range of accessory platform to be used for variable size vessels, and non-slip mat holds vessels prevent slipping
- Multi-voltage



SK-D1807-S LED Digital 3D shaker

Features

- 3D shaker with ideal an shaking motion, for a maximum shaking weight (with platform) of 3kg
- LED displays the speed and timer
- Compact space-saving design fits easily in the incubator and refrigerator
- Continuous and timed operation, speed range of 10-80 rpm
- Wide range of platforms for use with a variety of vessels
- Multi-voltage



SK-D1807-S
With non-slip mat

SK-D3309-Pro
With non-slip mat

NEW



SK-D1807-E

Classic 3D Shaker

Features

- 3D shaker with ideal shaking motion, for a maximum shaking weight (with platform) of 3kg
- Compact space-saving design fits easily in the incubator and cryogenic box
- Wide range of platforms for use with a variety of vessels
- Aluminium-alloyed platform provides strong bearing capability, with non-slip mat holds vessels prevent slipping
- Continuous operation, speed range of 0-80 rpm
- Multi-voltage



SK-D1807-E

With non-slip mat

Optional accessories of Shaker



| Cat. No. | 18900027 | 18900040 | 18900155 | 18900028 | 18900025 | 18900038 | 18900185 | 18900026 | 18900200 |
|------------------------------------|----------------------------------|------------------------------|--|------------------------|----------------------------------|------------------------------|-----------------------------------|------------------------|--|
| P/N | SK330.1 | SK330.3 | SK330.5 | SK330.2 | SK180.1 | SK180.3 | SK180.4 | SK180.2 | SK180.5 |
| Descriptions | Universal attachment with 4 bars | Lengthways roller attachment | Dish platform with non-slip mat and fixed string (8 pcs) | Fixing clip attachment | Universal attachment with 3 bars | Lengthways roller attachment | Dish attachment with non-slip mat | Fixing clip attachment | Large size dish attachment with non-slip mat |
| Used with Shakers | | | | | | | | | |
| Rocking Shaker | • | • | • | • | | | | | |
| 3D Shaker | • | • | • | • | | | | | |
| Orbital and Linear Shaker(7.5kgs) | • | • | • | • | | | | | |
| Orbital and Linear Shaker (2.5kgs) | | | | | • | • | • | • | • |
| E&S series(3kg) | | | | | • | • | • | • | • |



Specifications

| | SK-D3309-Pro | SK-D1807-S | SK-D1807-E |
|---|------------------------------|------------------------------|----------------------|
| Voltage [VAC] | 100-240 | 100-240 | 100-240 |
| Frequency [Hz] | 50/60 | 50/60 | 50/60 |
| Power [W] | 50 | 20 | 20 |
| Motor type | DC motor | DC motor | DC motor |
| Rocking motion | 3D orbital | 3D orbital | 3D orbital |
| Tilt angle [°] | 9° | 7° | 7° |
| Max. load capacity (with platform) [kg] | 5 | 3 | 3 |
| Speed range [rpm] | 10-70 | 10-80 | 0-80 |
| Speed display | LCD | LED | - |
| Timer | Yes | Yes | - |
| Timer display | LCD | LED | - |
| Time setting range | 1min-19h59min | 1min-19h59min | - |
| Operation type | Continuous / timed operation | Continuous / timed operation | Continuous operation |
| Dimensions[WxDxH mm] | 360x430x106 | 270x330x130 | 270x330x130 |
| Weight [kg] | 9 | 2.7 | 2.7 |
| Permissible ambient temperature [°C] | 5-40 | 5-40 | 5-40 |
| Permissible relative humidity | 80% | 80% | 80% |
| Protection class acc. To DIN EN60529 | IP21 | IP21 | IP21 |



| Cat. No. | 18900029 | 18900030 | 18900031 | 18900032 | 18900033 | 18900036 | 18900037 |
|------------------------------------|--|--|---|---|---|--------------------------------------|--------------------------------------|
| Descriptions | Fixing clip for flask volume 25mL, used with SK330.2 & SK180.2 | Fixing clip for flask volume 50mL, used with SK330.2 & SK180.2 | Fixing clip for flask volume 100mL, used with SK330.2 & SK180.2 | Fixing clip for flask volume 200/250mL, used with SK330.2 & SK180.2 | Fixing clip for flask volume 500mL, used with SK330.2 & SK180.2 | Bar for SK330.1 universal attachment | Bar for SK180.1 universal attachment |
| Used with Shakers | | | | | | | |
| Rocking Shaker | • | • | • | • | • | • | |
| 3D Shaker | • | • | • | • | • | • | |
| Orbital and Linear Shaker(7.5kgs) | • | • | • | • | • | • | |
| Orbital and Linear Shaker (2.5kgs) | • | • | • | • | • | | • |
| E&S series(3kg) | • | • | • | • | • | | • |



D-160 & D-500 Homogenizers

Applications

Homogenizers are widely used in the fields of Biotechnology, Human and veterinary medicine/ clinical medicine, Pharmaceutical industry, Cosmetics industry, Food industry, Petrochemistry, Paint and lacquer industry etc.

D-160 Handheld Homogenizer

Features

- Ideal for manual operation due to its light weight and ergonomic design
- Sample Volume Range: 0.1-50mL or 1-250mL
- Autoclavable 316 L stainless steel shafts, inert to aggressive solutions
- All shafts are inter changable shafts and are easily removed for cleanup
- 6 position speed control ,speed control from 8,000 to 30,000 rpm



D-500 Homogenizer

Features

- Viscosity up to 10,000 mPas
- 6 position speed control, speed control from 10,000 to 30,000rpm
- Triple safety of the drive, overload protection and smooth start – against jerky work, safety switch
- 316L steel High quality dispersing tools as standard for better resistance to corrosion
- Quick change system of the dispersing tools for a short changing time between preparations

Specifications

| | D-160 | D-500 |
|--|---|----------------------------------|
| Power Supply | 110-120V/60Hz, 220-240V / 50-60 Hz | 110-120V/60Hz, 220-240V/50-60 Hz |
| Motor Type Universal motor, | 160 Watt | 500 Watt |
| Speed Range | 8000-30000rpm | 10000-30000rpm |
| Max. Circum. Speed | 6.3-14m/sec | 22.7-36m/sec |
| Speed Control Dial knob | 6 stage | 6 stage |
| Working Volume (mL, H ₂ O) | 0.1-50mL (Dispersing shaft DS-160/5) | 10-40000mL (Optional) |
| | 1-250mL (Dispersing shaft DS-160/10) | |
| Max. Viscosity | 5,000mPas | 10,000 mPas |
| Material of Dispersing Shaft | SS 316L stainless steel, PTFE | SS 316L stainless steel, PTFE |
| Weight | 0.6 kg | 1.3 kg |
| Dimension L x W x H | 46mm x 55mm x 230mm | 70mm x 70mm x 255mm |
| Noise | 72 dB(A) | 79 dB(A) |
| Operating Environment | 0-40°C, 85% rel. humidity | 0-40°C, 85% rel. humidity |
| Protection Class | IP20 | IP20 |



D-500 Homogenizer

Dispersing shaft 1



SS20CSR20 **Cat No. 18900115**

- Volume 10-5000mL
- Max. Circum. Speed 22.7m/sec
- Applications:
Dispersing shaft 1 for solid/liquid media
Ultimate emulsion fitness 1-10µm
Ultimate suspension fitness 10-50µm

Dispersing shaft 2



SS20FER20 **Cat No. 18900116**

- Volume 10-5000mL
- Max. Circum. Speed 22.7m/sec
- Applications:
Dispersing shaft 2 for W/O or O/W emulsions
Ultimate emulsion fitness 1-10µm
Ultimate suspension fitness 10-50µm

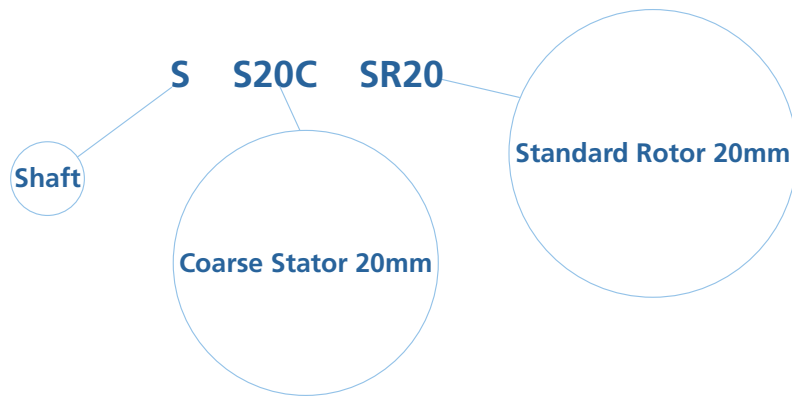
Dispersing shaft 5 mm



SS5CSR5 **Cat No. 18900117**

- Volume 1-50mL
- Max. Circum. Speed 5,8m/sec
- Applications:
Dispersing shaft 5mm for solid/liquid media
Dispersing of tissue decomposition, clinical & medical diagnostics and suspensions. Suitable for centrifuge products and Eppendorf tubes

Summary of Options



Components of Dispersing shaft

- Material used for shaft is high grade fine 316L stainless steel and PTFE for seal
- Dispersing shaft consists of shaft tube, axle, PTFE for seal, a rotor and a stator

Stator



S20C



S20F



S30C



S30F



S40C

Rotor



SR20



SR30



CR20



CR30



CR40



MR20



MR30



ER20



ER30

Centrifuges



D1008U & D1008 & D1008E Mini Micro Centrifuge

Features

- Ideal for microfiltration and quick spin-downs
- Easy-to-use with dual start/stop function
- 10000rpm fixed speed (D1008U)
- 7000rpm fixed speed (D1008)
- 5000rpm fixed. speed (D1008E)
- Equipped with 2mL x 8 and PCR8 x 2 rotors
- Quiet running, noise level ≤ 45 dB
- Rotor change without tools
- Accelerates and brakes in seconds
- Four colors with green, blue, yellow and pink
- Multi-voltage



D1008

CE explosion-proof safe test
IEC/EN61010-2-20



Specifications

| | D1008U | D1008 | D1008E |
|-----------------------|--|--|--|
| Max. Speed [rpm] | 10000 | 7000 | 5000 |
| Max. RCF[xg] | 5460 | 2680 | 1360 |
| Rotor Capacity | 0.2/0.5/1.5/2.0mLx8; 0.2mLx16 PCR strips or 0.2mLx2 PCR 8 strips | 0.2/0.5/1.5/2.0mLx8; 0.2mLx16 PCR strips or 0.2mLx2 PCR 8 strips | 0.2/0.5/1.5/2.0mLx8; 0.2mLx16 PCR strips or 0.2mLx2 PCR 8 strips |
| Run Time | Continuous operation | Continuous operation | Continuous operation |
| Driving Motor | DC motor | DC motor | DC motor |
| Power | AC 110-240V/50Hz/60Hz | AC 110-240V/50Hz/60Hz | AC 110-240V/50Hz/60Hz |
| Noise level(dB) | ≤ 45 | ≤ 45 | ≤ 45 |
| Dimensions [DxWxH mm] | 160 x 170 x 122 | 160 x 170 x 122 | 160 x 170 x 122 |
| Weight [kg] | 0.5 | 0.5 | 0.5 |

Available rotors and adapters

| Centrifuge | D1008U/D1008/D1008E | |
|------------|---------------------|--|
|------------|---------------------|--|



| | | |
|-----------------------------|-----------------------------------|--|
| Rotor P/N | A08-2 | A02-PCR8 |
| Cat No. | 19400015 | 19400017 |
| Max. speed (rpm) | 10000/7000/5000 | 10000/7000/5000 |
| Max. RCF (xg) | 5460/2680/1360 | 5460/2680/1360 |
| Rotor capacity | 2mL/1.5mLx8 0.2mLx8 0.5mLx8 | 0.2mLx16 PCR strips 0.2 mLx2 PCR 8 strips |
| Rotor material | High strength plastic | High strength plastic |
| Bio-safe (Bio sealing) | N/A | N/A |
| Available rotor adapters | N/A | |
| SA02P2 | • | |
| SA05P2 | • | |



Available rotors and adapters

| P/N | Cat No. | Descriptions |
|--------|----------|---|
| SA02P2 | 19200029 | 2mL to 0.2mL rotor adapter, used with A08-2 rotor,8pcs/pk |
| SA05P2 | 19200026 | 2mL to 0.5mL rotor adapter, used with A08-2 rotor,8pcs/pk |



High Speed Multi-Purpose Centrifuges

D1536

High Speed Multi-Purpose Centrifuge

NEW

The D1536 Multi-purpose Centrifuge is ideal for the centrifugation of samples in the Medicine Clinical chemistry, Cytology, Chemistry, Pharmacy, Biotechnology, etc.

Features

- Speed range from 300 rpm to 15000rpm
- Maximum capacity of the centrifuge: 100 mL x4
- 9 Acceleration/10 Brake speed settings to ensure the sample a better separation
- Comprehensive, versatile range of accessories (swing-out and fixed-angle rotors)
- Automatic rotor identification
- Timer can be set for up to 99 minutes or continuous
- Whisper quiet operation to benefit your work environment
- With the 9 routine procedures memory ability, it is greatly simplified the experiment operation
- Brushless DC motor is maintenance free and safe. Acceleration is fast and effortless to the setting speed.



D1536

Advantage:

The D1536 Multi-purpose centrifuge is a universal centrifuge with various fixed-angle rotors, swing-out rotors and an extensive range of adapters. swing-out rotor and adapters for standard tubes up to 100 mL at low speed, in addition, this centrifuge can be used for micro-plates, tubes with a screw cap, blood collection tubes or cytology accessories. With the fixed-angle rotors, the max speed can reach 15000rpm, which is ideal for physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical labs and blood donation, and is ideal for high-end research applications.





High Speed Multi-Purpose Centrifuges

Specifications

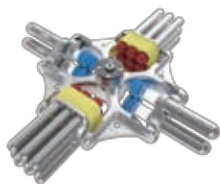
| | |
|----------------------|---|
| Speed range [rpm] | 300-15000 |
| Speed accuracy[rpm] | ±20 |
| Max. RCF[×g] | 24000 |
| Speed/rcf Switch | Yes |
| Run Time | 1min-99min-HOLD(Continuous operation) |
| Display | LCD |
| Programs | 9 |
| Rotor Identification | Yes |
| Accel/braking ramps | 9 ↑ /10 ↓ |
| Driving Motor | Brushless DC motor |
| Safety Devices | Door protection; Imbalance protection; Over-speed detection; Over-temperature detection |





Rotor Features

1



Swing-out rotor, stainless body and stainless tubes

Major application: Large particles, cells and cell debris, Clinical application

Max speed: 4000rpm, Max Rcf: 2830xg.

S4-100

100mLx4

| Capacity in mL | 3-10mL Blood collection tube | | 10mL Blood collection tube | 12mL urine tube | 15mL | 50mL | 100mL |
|-----------------|---------------------------------|--------|-------------------------------|-----------------|--------|--------|--------|
| φxL mm | 13x75 | 13x100 | 15x100 | 17x105 | 17x120 | 34x100 | 38x104 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Tubes per rotor | 36 | 36 | 16 | 16 | 16 | 4 | 4 |

2



Fix angle rotor, aluminum body and stainless tubes.

Major application: Large particles, cells and cell debris, Clinical application

Max speed: 4000rpm, max Rcf: 2110xg.

30-15

15mLx30

| Capacity | 3-10mL Blood collection tube | 10mL Blood collection tube | 12mL urine tube | 15mL |
|-----------------|---------------------------------|-------------------------------|-----------------|--------|
| φxL mm | 13x75 | 13x100 | 17x105 | 17x120 |
| Tubes per rotor | 30 | 30 | 30 | 30 |

3



AS8-50V

50mLx8

Fix angle rotor, aluminum.

Major application: cell pelleting, separation of DNA, proteins and virus

Max speed: 11000rpm; Max Rcf: 15500xg.

4



AS12-PCR8

pcr 8 tripsx12

Fix angle rotor, aluminum.

Major application: PCR application

Max speed: 12000rpm; Max Rcf: 13800xg.

5



AS30-2

2mLx30

Fix angle rotor, aluminum.

Major application: sub-cellular organelles pelleting, nucleic acids, viruses, bacteria

Max speed: 15000rpm; Max Rcf: 25150xg.

6



S2-MP

Micro-plants

Micro-plate rotor, stainless body and aluminum buckets.

Major application: 384-PCR, 96-PCR

Max speed: 4000rpm; Max Rcf: 2200xg.

High Speed Micro-Centrifuges

High Speed Micro Centrifuge

High speed micro-centrifuges are widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers, and is ideal for high-end research applications:

- Sedimentation of cells and viruses
- Separation of sub-cellular organelles
- Isolation of macromolecules such as DNA, RNA, proteins or lipids

Precise control

- Brushless DC motor accelerates quickly and effortlessly to the set speed
- High accuracy of speed in ± 20 rpm
- Operation can be timed from 30 seconds to 99 minutes or used in continuous mode
- Timer starts once the target speed reached, for accurate separation time

Safety and Advantages

Conforms to international safety standards and regulations

- SCIOLOGEX centrifuges have been tested by TÜV Rheinland company(Germany) and our Centrifuges have passed their CB scheme and marked with CE, cTÜVus and FCC

All test items are positive which according to IEC/EN 61010-1 and MCA test according to IEC/EN61010-2-20, including explosion-proof and bio-safe tests

- Quiet and stable operation for the lab
- High strength metal casing ensures security of centrifugal process
- Dual door interlock design for safety(D3024 & D3024R)
- Gentle braking at low speed with efficient separation

Ergonomic design

- User-friendly large LCD display shows real-time information
- Both RPM or G-force can be set and displayed
- The parameters can be modified after the set speed is reached.
- The short spin function is used for quick spins by pressing and holding PULSE key. The centrifuge speed can be accelerated and held at the target speed
- Automatic lid opening when run is complete – prevents sample warming and allows easy access to samples (excluding D3024R)
- Easy-to-read display and sound alerts





D2012 & D2012 plus High Speed Mini Centrifuge

Aluminum alloy rotor with high mechanical strength
Fully autoclavable and unlimited service life

D2012

With A12-2 aluminum alloy rotor kit



Powerful personal centrifuge

- Powerful centrifugal force 15100xg and Max speed 15000rpm, serves many applications
- Brushless DC motor drive quickly and effortlessly accelerates the rotor to the set speed
- The rotor is designed for 1.5/2.0mL tubes and smaller 0.2mL and 0.5mL tubes through use of adapters

High strength plastic rotor with CE mark.
Low noise ≤54dB;
Delivers fast acceleration and deceleration

D2012 plus

With A12-2P plastic rotor kit



Conforms to international safety standards and regulations

- **D2012** has tested according to IEC/EN 61010-1
- Cast iron chassis with low gravity, provides stable and reliable running at maximum speed
- Multi voltage design with high speed accuracy and reliable running
- **D2012 Plus** has passed explosion-proof test and marked with CE, cTUVus and FCC. MCA test according to IEC/EN61010-2-20

CE  FCC

The two models are applicable to different software and rotors cannot be swapped with each other



High Speed Micro-Centrifuges

D3024 High Speed Micro Centrifuge



CE FC

2-point lid-lock mechanism – ensures secure closure
Automatic lid opening when run is complete

High strength aluminum alloy rotor can be fully autoclaved with unlimited service life

Special multi-flow air cooling design (Patent No. 201120322916.0) helps keep lower rotor temperature

Intuitive symbols – display run status

Full-digit speed display (rpm/Rcf) – easy identification of parameters

Centrifuge goes into a self diagnostics when switched on and then displays accumulative running time and last running parameters

The short spin function is used for quick spins by pressing and holding PULSE key



Special multi-flow air cooling design protects sensitive samples (D3024)
FastTemp function for fast pre-cooling and maximum temperature accuracy inside the rotor (D3024R)





D3024

With AS24-2 aluminum alloy rotor kit

Unique Features

- Special multi-flow air cooling design(Patent No. 201120322916.0) helps to keep lower rotor temperature
- Unique cooling system design minimizes rotor heating to less than 10°C after running for 1 hour
- Unique temperature display protects sensitive samples

Rotor capacity

- Bio-safe rotor/anti-sample overflow, ensures the sample does not leak in centrifugal process causing microbial contamination
- High strength aluminum alloy rotor can be fully autoclaved, for unlimited service life
- Four rotors are optional, comes with 24 place 1.5/2.0mL tubes and smaller 0.2mL and 0.5mL tubes with the use of adapters



High Speed Micro-Centrifuges

D3024R

High Speed Refrigerated Micro Centrifuge



The lid remains closed after spins to keep the chamber temperature and protect sensitive samples

FastTemp function for fast pre-cooling and maximum temperature accuracy inside the rotor

Powerful and efficient cooling system quickly cools down chamber to 2°C only in 7 minutes and maintains the samples temperature under 2°C at maximum speed with a room temperature at 25°C.



Powerful and efficient cooling system

- Pre-cooling provides cool down prior to operation and keeps the chamber at the pre-set temperature
- Powerful cooling system quickly cools down chamber to 2°C after only 7 minutes and maintains the samples temperature under 2°C at maximum speed.
- Sound alert and the lid remains closed after operation to maintain the chamber temperature
- Intermittent temperature control mode, CFC-free refrigerant and low carbon life

Rotor capacity

- Bio-safe rotor/anti-sample overflow ensures the samples do not leak during the centrifugal process helps prevent microbial contamination
- High strength aluminum alloy rotor can be fully autoclaved, with unlimited service life
- Four rotors are optional, comes with 1.5/2.0mL x24 tubes. Smaller 0.2mL and 0.5mL tubes can be used with adapters



D3024R

With AS24-2 aluminum alloy rotor kit





SCILOGEX rotors are manufactured military-industrial-grade aluminum alloy with high mechanical strength for precise running and safety (excludes D2012 plus rotor)

- All of rotors can reach a Max speed of 15000rpm
- Rotors are seated on a tapered shaft, concentric and self-aligning, for running stability at high speeds
- D3024 & D3024R with bio-safe rotors/anti-sample overflow, ensure samples not leak during the centrifugal process which may cause microbial contamination. D3024 & D3024R rotors have passed MCA test according to IEC/EN61010-2-20, including explosion-proof and bio-safe tests
- High strength aluminum alloy rotors are fully autoclavable and provide unlimited service life (excludes D2012 plus rotor)
- A powerful and efficient cooling system minimizes rotor heating. D3024 rotors heat up less than 10°C and D2012 rotors heat up less than 8°C after running an hour

Rotor Features

Fully autoclavable rotors

High strength aluminum alloy rotors are fully autoclavable, withstanding steam sterilizing at 121°C for 20 minutes, for unlimited service life.

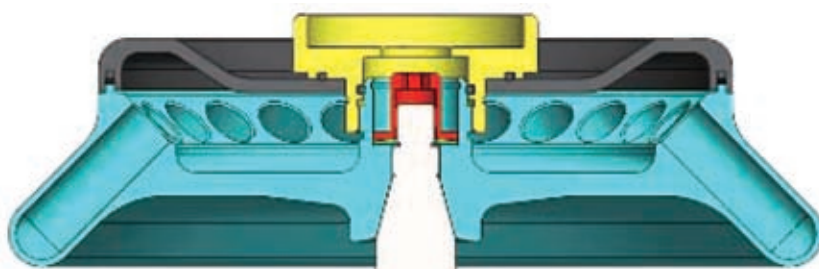
Bio-safe rotors

D3024 & D3024R rotors are designed to prevent the sample leakage. There are three rubber seals fitted to the rotor to achieve bio-seal condition. The rotor is bio-safe when the centrifuge tubes are enclosed into rotor and the rotor lid is closed.

Explosion-proof test

SCILOGEX centrifuges are checked under MCA conditions according to IEC/EN61010-2-20, causing disruption by partially cutting and overloading rotor assembly, and guarantees that no part of centrifuge shall become detached in such a way as to present a hazard to personal or the environment.

There are three rubber seals fitted within the rotor to achieve bio-safe condition



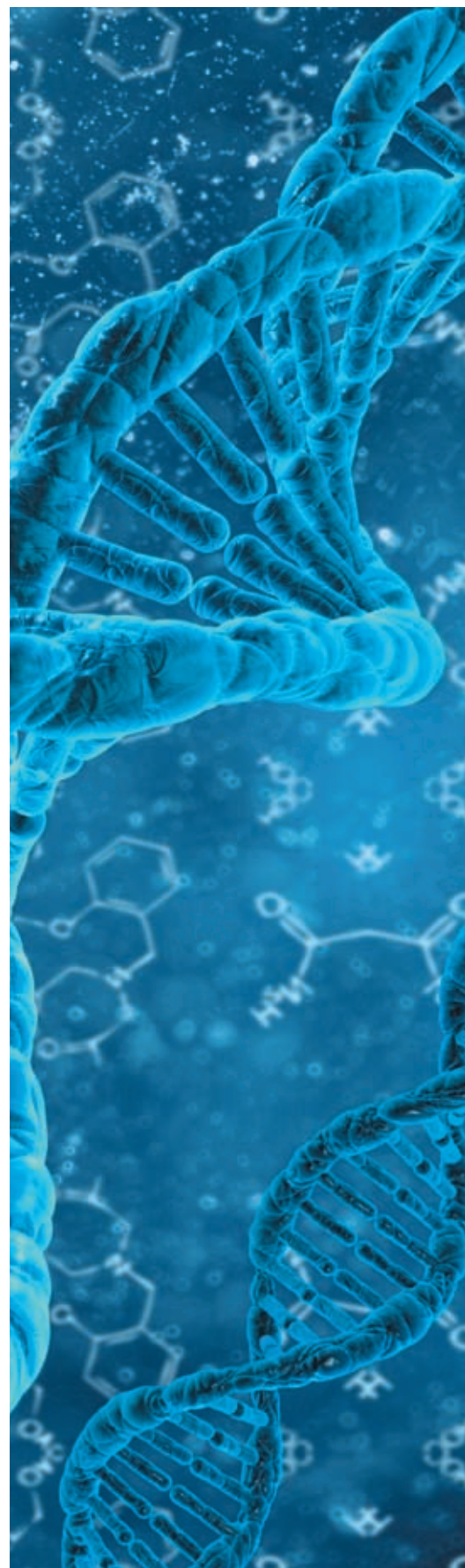
Seals within the aluminum alloy rotor



High Speed Micro Centrifuges

Specifications

| | D2012 & D2012 plus | D3024 | D3024R |
|----------------------------------|---|--|--|
| Max. Speed [rpm] | 15000rpm (500-15000rpm), increment:100rpm | 15000rpm (200-15000rpm), increment:10rpm | 15000rpm (200-15000rpm), increment:10rpm |
| Max. RCF [×g] | 15100×g, increment:100×g | 21380×g, increment:10×g | 21380×g, increment:10×g |
| Speed Accuracy [rpm] | ±20 rpm | ±20 rpm | ±20 rpm |
| Temperature Range | N/A | N/A | -20°C~40°C |
| Rotor Capacity | 0.2mL/0.5mL/1.5mL/2mL×12 | 5mL×18; 0.2mL/0.5mL/1.5mL/ 2mL×24; 0.5mL×36; PCR8×4 | |
| Run Time | 30sec-99min-HOLD (Continuous operation) | | |
| Driving Motor | Brushless DC motor | | |
| Safety Devices | Door interlock, Over-speed detection; Over-temperature detection; Automatic internal diagnosis Dual door interlock, Over-speed detection; Over-temperature detection; Automatic internal diagnosis | | |
| Power | Single-phase, AC110V-240V, 50Hz/60Hz, 3A | Single-phase, AC220V-240V, 50Hz/60Hz, 5A; AC110V-120V, 50Hz/60Hz, 8A | Single-phase, AC220V-240V, 50Hz/60Hz, 10A; AC110V-120V, 50Hz/60Hz, 10A |
| Noise level [dB] | ≤56(D2012) ≤54(D2012 plus) | ≤58 | ≤56 |
| Acceleration /Braking time [Sec] | 25s ↑ 25s ↓ (D2012) 11s ↑ 9s ↓ (D2012 plus) | 25s ↑ 25s ↓ | 25s ↑ 25s ↓ |
| Dimensions [mm] | (L)255×(D)245×(H)140 | (L)280×(D)364×(H)266 | (L)338×(D)580×(H)324 |
| Weight | 6kg | 12kg | 30kg |
| Additional Features | Speed/RCF switch; Short-time run function; sound-alert function | | |





Available rotors and adapters



| Centrifuges | D2012 | D2012 plus | D3024 & D3024R | | | |
|------------------------|---|---|---|--|---|---|
| |  |  |  |  |  |  |
| Rotor P/N | A12-2 | A12-2P | AS24-2 | AS18-5 | AS36-05 | AS4-PCR8 |
| Cat No. | 19400001 | 19400009 | 19400002 | 19400011 | 19400003 | 19400004 |
| Max. speed (rpm) | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 |
| Max. RCF (xg) | 15100 | 15100 | 21380 | 21380 | 21380 | 21380 |
| Rotor capacity | 2mL/1.5mLx12 0.2mLx12 0.5mLx12 | 2mL/1.5mLx12 0.2mLx12 0.5mLx12 | 2mL/1.5mLx24 0.2mLx24 0.5mLx24 | 5mLx18 | 0.5mLx36 0.2mLx36 | 0.2mL/PCR8x4 |
| Rotor material | Aluminum alloy | High strength plastic | Aluminum alloy | | | |
| Bio-safe (Bio sealing) | | | • | • | • | • |
| Rotor adapters | | | | N/A | | N/A |
| A02P2 | • | • | • | | | |
| A05P2 | • | • | • | | | |
| A02P05 | | | | | • | |

Available rotor adapters



| P/N | Cat No. | Descriptions |
|--------|----------|---|
| A02P2 | 19500001 | 2mL to 0.2mL rotor adapter, used with A12-2, A12-2P, AS24-2 and A24-2P rotors, 24pcs/pk |
| A05P2 | 19500002 | 2mL to 0.5mL rotor adapter, used with A12-2, A12-2P, AS24-2 and A24-2P rotors, 24pcs/pk |
| A02P05 | 19500003 | 0.5mL to 0.2mL rotor adapter, used with AS36-05 rotor, 36pcs/pk |



Multi-Purpose Clinical Centrifuges

NEW

DM0636

Multi-Purpose Clinical Centrifuge

The DM0636 Multi-Purpose Clinical Centrifuge is ideal for the centrifugation of samples in clinical chemistry, cytology, research laboratories, industrial laboratories, etc.

Swing-out rotors and adapters are used for standard tubes up to 100 mL at low speed, in addition, this centrifuge can be used for tubes with a screw cap, blood collection tubes or urine tubes.

Features

- Speed can be set from 300 rpm to a max. of 6000 rpm
- Maximum capacity of the centrifuge: 100 mL x4
- 9 Acceleration/10 Brake speed settings to ensure the sample a better separation
- Swing-out and fixed rotors options
- comprehensive, versatile range of accessories
- Automatic rotor identification
- Timer can be set for up to 99 minutes or continuous
- Whisper quiet operation to benefit your work environment
- With the 9 routine procedures memory ability, it is greatly simplified the experiment operation
- Brushless DC motor is clean, maintenance free and safe. It can drive quickly and effortlessly acceleration of the rotor to set speed.



DM0636

Specifications

| | |
|----------------------|---|
| Speed range [rpm] | 300-6000 |
| Speed accuracy[rpm] | ±20 |
| Max. RCF[×g] | 4170 |
| Speed/rcf Switch | Yes |
| Run Time | 1min-99min-HOLD(Continuous operation) |
| Display | LCD |
| Programs | 9 |
| Rotor Identification | Yes |
| Accel/braking ramps | 9 ↑ /10 ↓ |
| Driving Motor | Brushless DC motor |
| Safety Devices | Door protection; Imbalance protection; Over-speed detection; Over-temperature detection |



Multi-Purpose Clinical Centrifuges



Rotor Features

1



Swing-out rotor, stainless body and stainless tubes

Major application: Clinical application, large particles, cells and cell debris

Max speed: 4000rpm, Max Rcf: 2830×g.

S4-100

100mL×4

| Capacity in mL | 3-10mL Blood collection tube | | 10mL Blood collection tube | 12mL urine tube | 15mL | 50mL | 100mL |
|-----------------|---------------------------------|--------|-------------------------------|-----------------|--------|--------|--------|
| φ×L mm | 13×75 | 13×100 | 15×100 | 17×105 | 17×120 | 34×100 | 38×104 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Tubes per rotor | 36 | 36 | 16 | 16 | 16 | 4 | 4 |

2



Fix angle rotor, aluminum body and stainless tubes.

Major application: Clinical application, large particles, cells and cell debris

Max speed: 5000rpm, Max Rcf: 3300×g.

30-15

15mL×30

| Capacity | 3-10mL Blood collection tube | 10mL Blood collection tube | 12mL urine tube | 15mL |
|-----------------|---------------------------------|-------------------------------|-----------------|--------|
| φ×L mm | 13×75 | 13×100 | 17×105 | 17×120 |
| Tubes per rotor | 30 | 30 | 30 | 30 |

3



AS8-50V

50mL×8

Fix angle rotor, aluminum.

Major application: Clinical application

Max speed: 6000rpm; Max Rcf: 4610×g.



Clinical Centrifuges

Clinical centrifuges are widely used in the separation of serum, plasma, urea, blood samples and other routine applications in hospital and research laboratories.

Safety and Advantages

Conforms to international safety standards and regulations

- SCIOLOGEX clinical centrifuges have passed the explosion-proof test and marked with CE, cTÜVus and FCC. MCA test according to IEC/EN61010-2-20
- Passed EN61010-2-101:2002 particular requirements for in vitro diagnostic (IVD) medical equipment
- High strength plastic rotor and excellent balance technology to guarantee a quiet and stable operation
- Dual protection casing provides safe and reliable running
- Brushless DC motor drive quickly and effortlessly accelerates the rotor to set speed



Precise control

- CPU controls all operating parameters including speed and time
- High accuracy of speed
- Operation can be timed from 30 seconds to 99 minutes or continuous running
- Timer commences once the set speed is reached, so the separation time is more accurate
- Gentle braking at low speeds with efficient separation

Ergonomic design

- User-friendly large LCD display show all information
- RPM or G-force can be set and displayed
- Parameters can be modified after the set speed is reached
- Quick spins are possible by pressing and holding PULSE key
The centrifuge speed can be accelerated and held at the target speed
- Automatic release the lid when operation has stopped to save processing time
- Easy-to-read processing display and sound alert





Clinical Centrifuges

The DM0412&DM0412E clinical centrifuges are practical centrifuges for use with small sample volumes. The centrifuges are supplied with an angle rotor that can hold up to 15mLx8 or 10mL/7mL/5mLx12 vacuum tubes.

They are widely used in medical and veterinary practices for the centrifugation of blood and urine samples, in environmental analyses for the clarification of water and soil samples or in schools and other educational facilities as an aid for teaching.

DM0412 Clinical Centrifuge

Unique Features

- Micro-computer control, that gives high accuracy speed control.
- Digital LCD display, can show the real-time parameters and have the symbol showing the experimental process
- Set and display rotor speed shown in RPM or G-force
- Brushless DC motor, it is no pollution and free maintenance
- The short spin function is used for quick spins by pressing and holding PULSE key
- Built with electrical lock, automatic release the lid when rotor stops to save processing time and prevents samples overheating
- Go into a self-diagnostic check when switched on and then displays accumulative running time and last running parameters



CE FC

DM0412



DM0412E Clinical Centrifuge

Features

- Max. speed is 4500rpm
- Precise control speed and time with efficient separation
- Faster acceleration and deceleration
- Suit for 15mL cell culture tubes and full line of collection tubes, ideal for a clinical lab
- Rotor capability : 15mLx8 or 10mL/7mL/5mLx12



DM0412E

Available rotor and adapters

| Rotor type | Available tubes | Tube quantity | Dimension (Φ×L mm) | Adapters | Maximum speed(rpm) | Radius (cm) | Maximum RCF (×g) |
|---|--|---------------|--------------------|--|--------------------|-------------|------------------|
|  A12-10P |  15mL con | 8 | 17×120 | | 4500 | 11 | 2490 |
| |  1.5-5mL vacu | 12 | 13×82 |  A10P15 & Plug | 4500 | 9.8 | 2218 |
| |  4-7 mL vacu | 12 | 13×106 |  A10P15 | 4500 | 11 | 2490 |
| | | | 16×75 | | | 9.8 | 2218 |
| |  8.5-10 mL vacu | 12 | 16×107 | | 4500 | 11 | 2490 |
| |  2.7-3 mL(EU) collection tube | 12 | 11×66 |  A10P15 & Plug | 4500 | 9.8 | 2218 |
| |  7.5-8.2 mL(EU) collection tube | 12 | 15×92 |  A10P15 | 4500 | 11 | 2490 |

REMARK: A12-10P rotor is made of plastic and cannot be autoclaved or UV irradiation, only ordinary sterilization can be used.

DM1424

Hematocrit Centrifuge

Our hematocrit centrifuge with AC24P hematocrit rotor is used for determination of volume fractions of erythrocytes in blood for diagnostic purposes and doping tests. Also it is used to derive plasma for the photometric determination of the bilirubin content of the blood of neonates.

Hematocrit centrifuge with A24-2P tube rotor is suit for 1.5/2mL tubes, which can be used for extraction of DNA and RNA.



CE  FC



DM1424

AC24P hematocrit rotor kit with a lid and a reading disk

Features

- Speed range of 200-14000rpm, Max. RCF 18620×g
- Precise control speed and time with efficient separation
- LCD digital display
- Brushless DC motor
- Pulse operation for quick spins
- Rotor capacity: Hematocrit rotor: 24 capillary Max. speed: 12000rpm
Tube rotor: 1.5/2mL×24 Max. speed: 14000rpm



Specifications

| | DM0412 | DM0412E | DM1424 |
|----------------------------------|---|--|---|
| Max. Speed [rpm] | 300-4500, increment: 100 | 4500, increment: continue | 200-14000, increment: 10 |
| Max. RCF [xg] | 2490xg, increment: 100xg | 2490xg, increment: continue | 18620xg, increment: 10xg |
| Speed Accuracy [rpm] | ±20 | - | ±30 |
| Rotor Capacity | 10mL/7mL/5mL×12; 15mL×8 | 10mL/7mL/5mL×12; 15mL×8 | Tube rotor: 1.5/2mL×24 (14000rpm); Hematocrit rotor: capillary tubes ×24 (12000rpm) |
| Run Time | 30sec-99min-HOLD (Continuous operation) | 0-30min | 30sec-99min-HOLD (Continuous operation) |
| Driving Motor | Brushless DC motor | DC motor | Brushless DC motor |
| Safety Devices | Door interlock, Over-speed detector; Automatic internal diagnosis | Door interlock, Over-speed detection | Door interlock, Over-speed detector; Over-temperature detector; Automatic internal diagnosis; Automatic rotor identification |
| Power | Single-phase, 110V-240V, 50Hz/60Hz, 3A | Single-phase, 220V-240V, 50Hz/60Hz, 3A; 110V-120V, 50Hz/60Hz, 3A | Single-phase, 220V-240V, 50Hz/60Hz, 5A; 110V-120V, 50Hz/60Hz, 5A |
| Noise level [dB] | ≤56 | ≤56 | ≤60 |
| Acceleration /Braking time [Sec] | 20s ↑ 20s ↓ | 25s ↑ 25s ↓ | 20s ↑ 20s ↓ |
| Dimensions [mm] | (L)255 ×(W)245×(H)140 | (L)255 ×(W)245×(H)140 | (L)280×(W)364×(H)266 |
| Weight | 6 kg | 6 kg | 10kg |
| Additional Features | Speed/RCF switch; Short-time run function; sound-alert function | sound-alert function | Speed/RCF switch; Short-time run function; sound-alert function |





Available rotors and adapters



| Centrifuges | DM0412 | DM0412E | DM1424 | |
|------------------|---|---|--|---|
| |  |  |  |  |
| Rotor P/N | A12-10P | A12-10P | A24- 2P | AC24P |
| Cat No. | 19200348 | 19200358 | 19400019 | 19400014 |
| Max. speed (rpm) | 4500 | 4500 | 14000 | 12000 |
| Max. RCF (xg) | 2490 | 2490 | 18620 | 13680 |
| Rotor capacity | 15mLx8 10mL/5mL/7mLx12 | 15mLx8 10mL/5mL/7mLx12 | 2mL/1.5mLx24 0.2mLx24 0.5mLx24 | capillary tubes x24 |
| Rotor material | High strength plastic | High strength plastic | High strength plastic | High strength plastic |
| Rotor adapters | | | | N/A |
| A02P2 | | | • | |
| A05P2 | | | • | |
| A10P15 & Mat | • | • | • | |

Available Rotor adapters



| P/N | Cat. No. | Descriptions |
|--------|----------|---|
| A02P2 | 19500001 | 2mL to 0.2mL rotor adapter, used with A12-2, A12-2P, AS24-2 and A24-2P rotors, 24pcs/pk |
| A05P2 | 19500002 | 2mL to 0.5mL rotor adapter, used with A12-2, A12-2P, AS24-2 and A24-2P rotors, 24pcs/pk |
| A10P15 | 19200027 | Rotor adapter, used with A12-10P, 12pcs/pk |
| | 19200028 | Rotor adapter mat, used with A10P15, 12pcs/pk |