

Lab shakers

Solaris Orbital Shakers

Intelligent simplicity



A microscopic view of several rod-shaped bacteria, likely E. coli, against a warm, golden-yellow background. The bacteria are shown in various orientations and focus, with some appearing sharp and others blurred.

Solaris 2000 and 4000 Orbital Shakers

A new standard for reliability and technical innovation

As your sample preparation demands accelerate, you expect more from your lab equipment. Exceptional reliability is a top priority for orbital shakers—followed by flexible features with advanced programming that save you time and allow you to focus on your work. Thermo Scientific™ Solaris™ 2000 and 4000 Orbital Shakers accelerate the evolution of shaking by bringing it all together:

- Exceptional reliability with heavy-duty drive mechanism
- Cleanroom-compatible design offering key features that enhance particle and contamination control
- User programmability for easy setup and reproducibility
- Compact footprint designed to fit on your benchtop
- Connectivity for easy monitoring
- The ability to create, download, and share programs across multiple units
- Industry-leading warranty for peace of mind

Solaris Orbital Shakers help make life in the lab a little smoother each day.

Raising the bar in shaker performance

Solaris Orbital Shakers set a new standard for reliability and technical innovation

Ruggedly built for demanding applications in busy research and GLP/GMP labs, they combine a new ergonomic design with key feature enhancements that help save you time, protect your process, and drive your science forward.

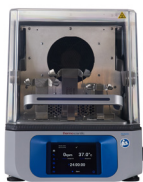
Solaris Orbital Shakers offer a variety of platforms plus associated flask clamps and tube racks to support virtually any capacity you require. Solaris open air shakers come in two sizes and can operate in microbiological incubators, environmental chambers, or refrigerators to meet a wide range of application requirements. Solaris temperature-controlled benchtop orbital shakers are available in both small and large footprints with incubation and optional energy efficient Peltier chillers. They also offer ergonomic design features for easier usability with a touchscreen and lid.



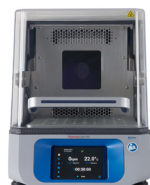
Solaris 2000
Open Air Shaker



Solaris 4000
Open Air Shaker



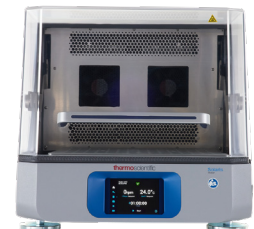
Solaris 2000 I
Incubated Shaker



Solaris 2000 R Incubated
and Refrigerated Shaker



Solaris 4000 I
Incubated Shaker



Solaris 4000 R Incubated
and Refrigerated Shaker

Efficient operation

Advanced user interface and programming capabilities for fast and secure storage of protocols and setpoints

Programs can be downloaded, uploaded, or shared across other Solaris shakers in your laboratory, allowing for better reproducibility and efficiency. Access controls cater to processes with restricted access requirements, eliminating non-authorized changes to your Solaris shaker's settings.

- The best-in-class touchscreen is easy to read and simple to operate; its multilanguage system accommodates user preference to help avoid errors.
- The full-color display allows you to clearly view speed and run times concurrently, even from a distance. View historical monitoring of alerts, alarms, and interaction logs for greater security and reproducibility.
- Set, run, and monitor vital statistics at your fingertips; graphing capabilities allow you to monitor the history of your run.

Solaris Orbital Shakers include a built-in orbital calculator that gives you the ability to convert protocols designed with different orbits and estimate the set speed needed to obtain similar results.



The large, bright user interface lets you easily monitor set points and status conditions from across the lab.



Designed for easy maintenance

Solaris Orbital Shakers offer easy-to-remove platforms that make cleaning fast and simple

The shakers have rounded corners and removable platforms, so you can clean the unit quickly and completely with confidence. A sealed motor and shaker housing protects the drive mechanism from damaging spills, simplifies cleaning, and controls contamination. The sleek and thoughtful design results in a low-maintenance shaker with a longer service life.

Solaris Orbital Shakers feature a small footprint that helps save valuable benchtop space. Engineered to perform with a reduced noise level in a wide range of environments, the units operate in a temperature range of 5°C to 40°C and humidity conditions from 20% to 80% noncondensing.



**Full 10-year warranty
on the drive mechanism,
five-year warranty on parts,
and two years on labor.**

Energy-optimized with Peltier technology



Green benefits

- Energy efficient: uses 58% less energy than prior model
- Less hazardous: uses refrigerant-free cooling system

The Solaris Incubated and Refrigerated Benchtop Shakers are energy efficient and use 58% less energy compared to older models with a traditional compressor design.

Compressor-free, environmentally friendly Peltier cooling reduces costly energy consumption and is less hazardous.

The refrigerant-free cooling system of Solaris Incubated and Refrigerated Benchtop Shakers uses solid-state Peltier elements that maintain temperature conditions by heating and cooling as necessary for your protocol. By applying the correct current for the temperature selected, the Peltier elements generate precise temperatures for consistent results.

A refrigerant-free cooling system is more efficient than the traditional compressor-based heating and cooling system. Traditional systems rely on constantly switching between full power heating and cooling to continually adjust the interior environment, resulting in higher energy consumption. Peltier elements also eliminate the noisy moving parts associated with loud compressor systems, resulting in units that operate quietly in the lab.

The perfect fit for your applications

Solaris Orbital Shakers offer critical flexibility to meet virtually any application requirement. They have also high compatibility with GLP/GMP operations. The Solaris Open Air models are specially engineered to support operation inside a range of lab equipment, including environmental chambers, incubators, and lab refrigerators for added flexibility.*

* User is responsible for safe operation of Solaris shakers in combination with any lab equipment.

Cell and gene therapy

Solaris Incubated and Refrigerated Benchtop Shakers allow for the precise temperature control necessary for vector construction and plasmid production procedures. Password-protected protocols, data monitoring alerts, and audible alarms offer a security-conscious choice for sensitive applications.



Molecular biology/cloning and biochemistry applications

Solaris Orbital Shakers are your benchtop workhorses utilizing a reliable triple-eccentric drive mechanism that can operate across many applications, including mixing, staining, hybridization, and washing.



Bioprocessing

Solaris Open Air Shakers are GLP/GMP-compatible with an ergonomic design, along with sealed electronics to protect from accidental spills and help protect against contamination. They are equipped with a heavy-duty tribalanced drive mechanism to handle heavy loads, and are protected by an overload sensor that turns the unit off if weight capacity is exceeded.



Specification and ordering tables

Open Air Shaker specifications

| Model | Speed range* | Orbit diameter in. (cm) | Max. load* lb (kg) | Overall dimensions in. (cm) without platform | | | Electrical requirements | Regulatory certifications | Cat. No. |
|--------------|----------------|-------------------------|--------------------|--|-------------|------------|---------------------------|---|----------|
| | | | | L | W | H | | | |
| Solaris 2000 | 15–525 ± 1 rpm | 1 (2.54) | 55 (25) | 18.5 (46.9) | 14.3 (36.4) | 5.5 (14.1) | 100–240 V ± 10%, 50/60 Hz | CE Cert, UL (Canada/US) File E311968, UK Mark | SK2000 |
| Solaris 4000 | 15–525 ± 1 rpm | 1 (2.54) | 95 (43) | 25.5 (64.8) | 22.6 (57.3) | 7 (17.7) | 100–240 V ± 10%, 50/60 Hz | CE Cert, UL (Canada/US) File E311968, UK Mark | SK4000 |

* Maximum speed is dependent on load and platform. Please see the manual for maximum speed by weight information, and for additional information on speed and load limitation for dual stack platforms.

Temperature Controlled Benchtop Shaker specifications

| Model | Speed range* | Orbit diameter in. (cm) | Max. load* lb (kg) | Temperature setting range (°C) | Overall dimensions in. (cm) | | | Height with lid open in. (cm) | Electrical requirements | Regulatory certifications | Cat. No. |
|----------------|----------------|-------------------------|--------------------|--------------------------------|-----------------------------|-----------|-----------|-------------------------------|------------------------------------|---|----------|
| | | | | | L | W | H | | | | |
| Solaris 2000 I | 15–525 ± 1 rpm | 1 (2.54) | 35 (16) | 30 to 60 | 27.6 (70) | 14.2 (36) | 18.1 (46) | 30.8 (79) | 100–120, 200–240 V ± 10%, 50/60 Hz | CE Cert, UL (Canada/US) File E311968, UK Mark | SK2001 |
| Solaris 2000 R | 15–525 ± 1 rpm | 1 (2.54) | 35 (16) | 5 to 60 | 27.6 (70) | 14.2 (36) | 18.1 (46) | 30.8 (79) | 100–240 V ± 10%, 50/60 Hz | CE Cert, UL (Canada/US) File E311968, UK Mark | SK2002 |
| Solaris 4000 I | 15–525 ± 1 rpm | 1 (2.54) | 70.5 (32) | 30 to 60 | 30.3 (77) | 22.4 (57) | 21.7 (55) | 36.7 (94) | 100–120, 200–240 V ± 10%, 50/60 Hz | CE Cert, UL (Canada/US) File E311968, UK Mark | SK4001 |
| Solaris 4000 R | 15–525 ± 1 rpm | 1 (2.54) | 70.5 (32) | 4 to 60 | 30.3 (77) | 22.4 (57) | 21.7 (55) | 36.7 (94) | 100–240 V ± 10%, 50/60 Hz | CE Cert, UL (Canada/US) File E311968, UK Mark | SK4002 |

* Maximum speed is dependent on load and platform. Please see the manual for maximum speed by weight information, and for additional information on speed and load limitation for dual stack platforms.

Ordering information

Shakers

| Description | Model | Cat. No. |
|--|----------------|----------|
| Small Open Air Shaker with 12" x 14" platform | Solaris 2000 | SK2000 |
| Large Open Air Shaker with 18" x 30" platform | Solaris 4000 | SK4000 |
| Incubated Benchtop Shaker with 11" x 14" platform | Solaris 2000 I | SK2001 |
| Incubated and Refrigerated Benchtop Shaker with 11" x 14" platform | Solaris 2000 R | SK2002 |
| Incubated Benchtop Shaker with 18" x 18" platform | Solaris 4000 I | SK4001 |
| Incubated and Refrigerated Benchtop Shaker with 18" x 18" platform | Solaris 4000 R | SK4002 |

Shaker and accessory bundles

| Description | Model | Cat. No. |
|--|----------------|------------|
| Open Air Shaker with 12" x 14" platform and Flask Clamp Starter Kit | Solaris 2000 | SK2000PR |
| Open Air Shaker with 18" x 30" platform and Flask Clamp Starter Kit | Solaris 4000 | SK4000PR |
| Incubated Benchtop Shaker with 11" x 14" platform and Flask Clamp Starter Kit | Solaris 2000 I | SK2001CPKG |
| Incubated Benchtop Shaker with 11" x 14" platform and Adhesive Sticky Mats** | Solaris 2000 I | SK2001MPKG |
| Incubated and Refrigerated Benchtop Shaker with 11" x 14" platform and Flask Clamp Starter Kit | Solaris 2000 R | SK2002CPKG |
| Incubated and Refrigerated Benchtop Shaker with 11" x 14" platform and Adhesive Sticky Mats** | Solaris 2000 R | SK2002MPKG |
| Incubated Benchtop Shaker with 18" x 18" platform and Flask Clamp Starter Kit | Solaris 4000 I | SK4001CPKG |
| Incubated Benchtop Shaker with 18" x 18" platform and Adhesive Sticky Mats** | Solaris 4000 I | SK4001MPKG |
| Incubated and Refrigerated Benchtop Shaker with 18" x 18" platform and Flask Clamp Starter Kit | Solaris 4000 R | SK4002CPKG |
| Incubated and Refrigerated Benchtop Shaker with 18" x 18" platform and Adhesive Sticky Mats** | Solaris 4000 R | SK4002MPKG |

** Bundles with adhesive mats include 1 pack each of Cat. No. 75002127 and Cat. No. 75004111.

Optional platforms

| Description | Compatible model | Cat. No. |
|---|--------------------------------|----------|
| Solaris 11" x 14" Universal Platform for Solaris Temperature Controlled SK2001 and SK2002 Shakers | Solaris 2000 I 2000 R | SK1114 |
| Solaris 12" x 14" Universal Platform | Solaris 2000 | SK1214 |
| Solaris 12" x 14" Dual Stack Universal Platform | Solaris 2000 | SK1214D |
| Solaris 12" x 14" Dual Stack Universal Platform—upgrade kit (one 12 x 14 platform, screws, supporting rods) | Solaris 2000 | SK1214DK |
| Solaris 18" x 18" Universal Platform for SK2000, SK4001, and SK4002 | Solaris 2000 4000 I 4000 R | SK1818 |
| Solaris 18" x 18" Dual Stack Universal Platform | Solaris 2000 | SK1818D |
| Solaris 18" x 18" Dual Stack Universal Platform—upgrade kit (one 18 x 18 platform, screws, supporting rods) | Solaris 2000 | SK1818DK |
| Solaris 18" x 24" Universal Platform | Solaris 2000 | SK1824 |
| Solaris 18" x 30" Universal Platform | Solaris 4000 | SK1830 |
| Solaris 18" x 30" Dual Stack Universal Platform | Solaris 4000 | SK1830D |
| Solaris 18" x 30" Dual Stack Universal Platform—upgrade kit (one 18 x 30 platform, screws, supporting rods) | Solaris 4000 | SK1830DK |
| Solaris 36" x 24" Universal Platform | Solaris 4000 | SK3624 |

Accessories for Solaris Orbital Shakers

Solaris Orbital Shakers are compatible with a wide variety of platforms, clamps, and racks. Mix and match accessories to meet your application needs. Clamps are purchased separately.

We are continuously expanding our line of clamps and accessory offerings. Visit thermofisher.com/solaris for more information.

Miscellaneous accessories—spare parts and trays

| Description | Compatible model | Cat. No. |
|--|-------------------------|------------|
| Clamp screw kit (screws) | Solaris Shakers | SK0010 |
| Screwdriver for accessories | Solaris Shakers | 75004131 |
| Platform spare part kit for SK2000 (platform screws, tool, and threadlocker) | Solaris 2000 | SK0100 |
| Platform spare part kit for SK4000 (platform screws, tool, and threadlocker) | Solaris 4000 | SK0101 |
| Adhesive mat applicator | Solaris Shakers | 75004124 |
| Spare part set of o-rings | Solaris Shakers | 75004132 |
| Utility tray for Solaris Shaker 11" x 14" or 12" x 14" platforms | Solaris Shakers | 75004123 |
| Utility tray for Solaris Shaker 18" x 18", 18" x 24", 18" x 30", and 36" x 24" platforms | Solaris Shakers | 75004122 |
| Gassing manifold | Solaris 2000 I 2000 R | SK2000-8GM |
| Gassing manifold | Solaris 4000 I 4000 R | SK4000-8GM |

Accessories—adhesive mats

| Description | Maximum rpm* | Cat. No. |
|---|--------------|----------|
| High adhesion sticky mat, 200 mm x 200 mm | 400 | 75004126 |
| High adhesion sticky mat, 280 mm x 170 mm | 400 | 75004127 |
| Low adhesion sticky mat, 200 mm x 200 mm | 200 | 75004111 |
| Low adhesion sticky mat, 280 mm x 170 mm | 200 | 75004117 |
| Sticky mat, 140 mm x 140 mm | 225 | 88881126 |
| Sticky mat, 230 mm x 230 mm | 250 | 300349 |

* See Manual for suitability of your labware material at maximum shaking speed.

Specification and ordering tables

Accessories—shaker flask clamps and fit recommendations

| Description | 12" x 14" SK1214 | 18" x 18" SK1818 | 18" x 24" SK1824 | 18" x 30" SK1830 | 36" x 24" SK3624 | 12" x 14" DS SK1214D | 18" x 18" DS SK1818D | 18" x 30" DS SK1830D | 11" x 14" SK1114† | 18" x 18" SK1818† | Cat. No. |
|------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-------------------------|-------------------------|-------------------------|----------------------|----------------------|----------|
| 10 mL Erlenmeyer flask clamp | 72 | 113 | 157 | 203 | 187 | 140 | 226 | 402 | 59 | 113 | 30150BI |
| 25 mL Erlenmeyer flask clamp | 42 | 64 | 80 | 112 | 187 | 80 | 124 | 220 | 35 | 64 | 30151 |
| 50 mL Erlenmeyer flask clamp | 42 | 64 | 80 | 112 | 187 | 80 | 124 | 220 | 35 | 64 | 30152BI |
| 125 mL Erlenmeyer flask clamp | 15 | 32 | 40 | 46 | 83 | 30 | 62 | 92 | 15 | 32 | 30153 |
| 250 mL Erlenmeyer flask clamp | 9 | 16 | 24 | 34 | 40 | 16 | 32 | 68 | 7 | 16 | 30154BI |
| 300 mL Erlenmeyer flask clamp | 9 | 16 | 20 | 28 | 40 | 16 | 32 | 56 | 7 | 16 | 30155 |
| 500 mL Erlenmeyer flask clamp | 9 | 16 | 20 | 28 | 40 | 16 | 32 | 56 | 7 | 16 | 30156BI |
| 1 L Erlenmeyer flask clamp | 4 | 9 | 11 | 14 | 20 | 8 | 16 | 28 | 4 | 9 | 30157BI |
| 2 L Erlenmeyer flask clamp | 3 | 5 | 6 | 8 | 11 | NA | NA | 16 | 2 | 6 | 30158 |
| 4 L Erlenmeyer flask clamp | 1 | 4 | 4 | 6 | 8 | NA | NA | NA | NA | NA | 30159 |
| 5 L Erlenmeyer flask clamp | 1 | 2 | 4 | 5 | 8 | NA | NA | NA | NA | NA | 30159B |
| 6 L Erlenmeyer flask clamp | 1 | 2 | 2 | 3 | 6 | NA | NA | NA | NA | NA | 30160 |
| 2,800 mL Fernbach flask clamp | 1 | 4 | 4 | 6 | 8 | NA | NA | 12 | 1 | 4 | 30162 |
| 2.5 L Low Form Culture flask clamp | 1 | 2 | 2 | 3 | 6 | NA | NA | 6 | 1 | 1 | 30161 |

† Platform fit recommendations are specific to Solaris Temperature Controlled Shaker models.

Accessories—square media bottle clamps and fit recommendations

| Description | 12" x 14" SK1214 | 18" x 18" SK1818 | 18" x 24" SK1824 | 18" x 30" SK1830 | 36" x 24" SK3624 | 12" x 14" DS SK1214D | 18" x 18" DS SK1818D | 18" x 30" DS SK1830D | 11" x 14" SK1114† | 18" x 18" SK1818† | Cat. No. |
|------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-------------------------|-------------------------|-------------------------|----------------------|----------------------|----------|
| 125 mL square media bottle clamp | 12 | 16 | 24 | 28 | 54 | 21 | 32 | 56 | 9 | 16 | 75004106 |
| 250 mL square media bottle clamp | 9 | 16 | 22 | 28 | 52 | 18 | 32 | 56 | 7 | 16 | 75004107 |
| 500 mL square media bottle clamp | 6 | 9 | 12 | 15 | 24 | 11 | 18 | 30 | 3 | 9 | 75004108 |
| 1,000 mL square media bottle clamp | 4 | 9 | 12 | 15 | 24 | 8 | 18 | 28 | 2 | 9 | 75004109 |

† Platform fit recommendations are specific to Solaris Temperature Controlled Shaker models.

Accessories—test tube racks and fit recommendations

| Description | 12" x 14" SK1214 | 18" x 18" SK1818 | 18" x 24" SK1824 | 18" x 30" SK1830 | 36" x 24" SK3624 | 12" x 14" DS SK1214D | 18" x 18" DS SK1818D | 18" x 30" DS SK1830D | 11" x 14" SK1114† | 18" x 18" SK1818† | Cat. No. |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|-------------------------|-------------------------|-------------------------|----------------------|----------------------|----------|
| 10–13 mm 6 x 12 array test tube racks (full) | 3 | 7 | 9 | 12 | 20 | 6 | 13 | 24 | 3 | 7 | 30180BI |
| 14–16 mm 6 x 12 array test tube racks (full) | 3 | 4 | 6 | 9 | 12 | 6 | 8 | 16 | 2 | 4 | 30182 |
| 17–20 mm 4 x 10 array test tube racks (full) | 3 | 5 | 7 | 9 | 15 | 6 | 8 | 18 | 2 | 5 | 30184 |
| 21–25 mm 4 x 10 array test tube racks (full) | 2 | 3 | 5 | 6 | 9 | 4 | 6 | 12 | 1 | 3 | 30186 |
| 26–30 mm 3 x 8 array test tube racks (full) | 3 | 4 | 5 | 7 | 10 | 5 | 8 | 13 | 2 | 4 | 30188 |
| 1.5 mL MCT 8 x 12 array tube racks (full) | 3 | 4 | 7 | 9 | 12 | 6 | 8 | 17 | 2 | 5 | 30190 |
| 10–13 mm 6 x 6 array test tube racks (half) | 8 | 12 | 15 | 21 | 32 | 14 | 22 | 40 | 6 | 12 | 30181 |
| 14–16 mm 6 x 6 array test tube racks (half) | 5 | 9 | 11 | 13 | 20 | 9 | 16 | 24 | 2 | 8 | 30183 |
| 17–20 mm 4 x 5 array test tube racks (half) | 7 | 11 | 14 | 18 | 20 | 12 | 20 | 34 | 4 | 10 | 30185 |
| 21–25 mm 4 x 4 array test tube racks (half) | 6 | 9 | 11 | 14 | 22 | 10 | 16 | 26 | 2 | 8 | 30187 |
| 26–30 mm 3 x 3 array test tube racks (half) | 6 | 9 | 12 | 15 | 24 | 11 | 17 | 30 | 4 | 9 | 30189 |
| 1.5 mL MCT 4 x 6 array tube racks (half) | 6 | 10 | 13 | 18 | 24 | 11 | 19 | 34 | 3 | 8 | 30191 |
| 10–13 mm 72 place adjustable tube rack | 3 | 4 | 6 | 7 | 14 | 6 | 8 | 14 | 2 | 4 | 236090 |
| 16–20 mm 40 place adjustable tube rack | 3 | 4 | 6 | 7 | 14 | 5 | 8 | 14 | 2 | 3 | 236091 |
| 21–25 mm 40 place adjustable tube rack | 3 | 3 | 4 | 5 | 9 | 5 | 6 | 10 | 1 | 3 | 236092 |
| 26–30 mm 24 place adjustable tube rack | 3 | 3 | 4 | 6 | 9 | 5 | 6 | 12 | 1 | 3 | 236093 |

† Platform fit recommendations are specific to Solaris Temperature Controlled Shaker models.

Accessories—beaker racks and fit recommendations

| Description | 12" x 14" SK1214 | 18" x 18" SK1818 | 18" x 24" SK1824 | 18" x 30" SK1830 | 36" x 24" SK3624 | 12" x 14" DS SK1214D | 18" x 18" DS SK1818D | 18" x 30" DS SK1830D | 11" x 14" SK1114† | 18" x 18" SK1818† | Cat. No. |
|---------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-------------------------|-------------------------|-------------------------|----------------------|----------------------|----------|
| 30 mL - 36 position - 11" x 14" rack | 1 | NA | NA | NA | NA | 2 | NA | NA | 1 | NA | 75004116 |
| 50 mL - 28 position - 11" x 14" rack | 1 | NA | NA | NA | NA | 2 | NA | NA | 1 | NA | 75004129 |
| 100 mL - 16 position - 11" x 14" rack | 1 | NA | NA | NA | NA | 2 | NA | NA | 1 | NA | 75004118 |
| 250 mL - 9 position - 11" x 14" rack | 1 | NA | NA | NA | NA | 2 | NA | NA | 1 | NA | 75004119 |
| 400 mL - 8 position - 11" x 14" rack | 1 | NA | NA | NA | NA | 2 | NA | NA | 1 | NA | 75004120 |
| 600 mL - 5 position - 11" x 14" rack | 1 | NA | NA | NA | NA | 2 | NA | NA | 1 | NA | 75004121 |
| 30 mL - 32 position - 9" x 18" rack | NA | 2 | 2 | 3 | 4 | NA | 4 | 6 | NA | 2 | 75004110 |
| 50 mL - 24 position - 9" x 18" rack | NA | 2 | 2 | 3 | 4 | NA | 4 | 6 | NA | 2 | 75004128 |
| 100 mL - 15 position - 9" x 18" rack | NA | 2 | 2 | 3 | 4 | NA | 4 | 6 | NA | 2 | 75004112 |
| 250 mL - 8 position - 9" x 18" rack | NA | 2 | 2 | 3 | 4 | NA | 4 | 6 | NA | 2 | 75004113 |
| 400 mL - 6 position - 9" x 18" rack | NA | 2 | 2 | 3 | 4 | NA | 4 | 6 | NA | 2 | 75004114 |
| 600 mL - 4 position - 9" x 18" rack | NA | 2 | 2 | 3 | 4 | NA | 4 | 6 | NA | 2 | 75004115 |

† Platform fit recommendations are specific to Solaris Temperature Controlled Shaker models.

Accessories—vessel clamps and fit recommendations

| Description | 12" x 14" SK1214 | 18" x 18" SK1818 | 18" x 24" SK1824 | 18" x 30" SK1830 | 36" x 24" SK3624 | 12" x 14" DS SK1214D | 18" x 18" DS SK1818D | 18" x 30" DS SK1830D | 11" x 14" SK1114† | 18" x 18" SK1818† | Cat. No. |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|-------------------------|-------------------------|-------------------------|----------------------|----------------------|----------|
| Single height adjustable clamp 11" x 14" | NA | NA | NA | NA | NA | NA | NA | NA | 1 | NA | 75004104 |
| Dual height adjustable clamp 12" x 14" | 1 | 1 | 1 | 2 | 2 | NA | 2 | 4 | NA | 1 | 75004102 |
| Dual height adjustable clamp 18" x 18" | NA | 1 | 1 | 1 | 2 | NA | NA | 2 | NA | 1 | 75004103 |
| Single vessel adjustable clamp | 4 | 4 | 6 | 8 | 12 | 6 | 8 | 16 | 2 | 4 | 75004101 |
| Separatory funnel—horizontal | 2 | 3 | 4 | 5 | 7 | 2 | 5 | 9 | NA | NA | 75004125 |
| Separatory funnel—vertical mount | 4 | 4 | 6 | 8 | 12 | NA | NA | NA | NA | NA | 75004125 |

† Platform fit recommendations are specific to Solaris Temperature Controlled Shaker models.

Accessories—plate rack and fit recommendations

| Description | 12" x 14" SK1214 | 18" x 18" SK1818 | 18" x 24" SK1824 | 18" x 30" SK1830 | 36" x 24" SK3624 | 12" x 14" DS SK1214D | 18" x 18" DS SK1818D | 18" x 30" DS SK1830D | 11" x 14" SK1114† | 18" x 18" SK1818† | Cat. No. |
|----------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-------------------------|-------------------------|-------------------------|----------------------|----------------------|----------|
| Microplate/Deep-well Plate | 7 | 12 | 16 | 23 | 36 | 14 | 24 | 42 | 6 | 10 | 30175 |

† Platform fit recommendations are specific to Solaris Temperature Controlled Shaker models.



Service plans

| | Warranty | | Post-warranty | | | |
|-------------------------------------|---------------------|---------------------|----------------------|---------------|------------|-------------------|
| | Factory warranty | Total Care warranty | T&M (not a contract) | Tech Direct | Total Care | Extended warranty |
| Preventive maintenance | | • | Fixed price | • | • | |
| Corrective maintenance | • | • | Hourly rate | Discount rate | • | • |
| Basic technical support | • | • | • | • | • | • |
| Priority enhanced technical support | • | • | | • | • | • |
| On-site response commitment | | | | 3 days | 2 days | |
| Repair warranty | Instrument warranty | Instrument warranty | 90 days | 1 year | 1 year | Extended warranty |
| Loaner ^{††} | | • | | • | • | |
| Compliance services (optional) | | 10% | | 10% | 10% | |

Service plans are currently available in the United States and Europe. Service coverage may vary in certain regions. Please contact your sales representative for more information about services in your location.

†† Guaranteed response time begins once a PO is received and is applicable in the US and Europe. Access restrictions to geographical location, building, or room may invalidate on-site response time commitment. Availability in the US is limited to selected locations (subject to change): Ann Arbor; Atlanta; Austin; Baltimore; Boston; Chicago; Cincinnati; Cleveland; Columbus; Dallas; Denver; Des Moines; Detroit; East Bay; El Paso; Hartford; Houston; Indianapolis; Jacksonville; Kansas City; Los Angeles; Madison; Memphis; Miami; Minneapolis/St. Paul; Nashville; New Brunswick, NJ; New York; Orange County, CA; Philadelphia; Phoenix; Pittsburgh; Portland, OR; Raleigh; Richmond; Rochester; Salt Lake City; San Antonio; San Diego; San Francisco; Seattle; St. Louis; Tampa; Washington, D.C. Please contact your sales representative for more information about services in your location.

Ordering information

Compliance services

| Description | Model | Cat. No. |
|--|--------------------------------|------------------|
| Includes on-site installation and operational qualification service (documentation included) | Solaris Open Air | IOQPCKE89003507 |
| Includes on-site installation and operational qualification service (documentation included) | Solaris Temperature Controlled | IOQPCKE89003508 |
| Includes on-site installation, operational qualification service, and temperature mapping (documentation included) | Solaris Temperature Controlled | IOPQPCKE89003508 |
| Includes on-site temperature mapping (documentation included) | Solaris Temperature Controlled | TEMPMAP |

Learn more about service plans [here](#).

Learn more at thermofisher.com/solaris

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