



Benchtop Orbital Shaker

Start & Grow Your Lab with the Innova® 40/40R

Tight temperature and speed control:

Temperature accuracy and uniformity: $\pm 0.1\text{ }^{\circ}\text{C}$ and $\pm 0.25\text{ }^{\circ}\text{C}$ (at $37\text{ }^{\circ}\text{C}$; independent over-temperature cutoff included), speed accuracy 1 rpm

Easy to move on the bench:

60 / 79 kg weight (incubated/ refrigerated version)

More space on your lab bench:

Small footprint of $55.9 \times 76.2\text{ cm}$ / $22 \times 30\text{ in}$ (W x D) that even works on narrow benches



Check your samples:

Large, insulated, and scratch-resistant viewing provides a clear view of the chamber contents (device stops when lid is opened)

Easy interface handling and programming:

The controls and display make it easy to view, set and program parameters - continuous, timed, or multi-step programs with up to 15 steps (four programs storable).

Minimizes splashing and mechanical damage:

Acceleration/ deceleration circuit prevents sudden starts and stops

Compact and Convenient

A benchtop orbital shaker for flasks up to 3 liters

The Innova 40 and Innova 40R incubator and refrigerated small-scale benchtop orbital shakers are great for small scale projects, or for those looking to start small and grow. The samples are always in clear view and there are options for a drip pan. The user interface mirrors the benefits of the larger units and comes as standard with multi-parameter programmable steps. The drive unit is the proven and tested triple-eccentric counterbalanced drive – dependable as always. With this being the smallest benchtop orbital shaker we offer, this is the ideal starting point – with a view to grow.

Recommended applications:

- > Cultivation of (thermophile) bacteria, yeast, fungi or insect cells
- > Plasmid purification
- > Mixing and shaking of samples (e.g. for staining, washing or hybridisation)



Flexibility for various vessel formats: Universal platforms are the versatile solution that lets you mix and match virtually any combination of Eppendorf shaker accessories—different sized clamps, test tube racks, microplate racks, etc. A sticky pad platform is available for low-speed shaking (200 – 250 rpm, depending on orbit) of flat bottom vessels.

Maximum capacity: Various dedicated platforms come complete with clamps of one size pre-installed. They hold a greater number of clamps than the universal platforms, but do not offer the versatility to mix different vessel formats.



Platform alternatives (no universal platform required): The utility carrier (left) holds racks and vessels between adjustable cushioned cross rods (two rods included, extra rods available). The utility tray (right) comes with a non-skid rubber surface for low-speed applications that do not require vessel fixation.



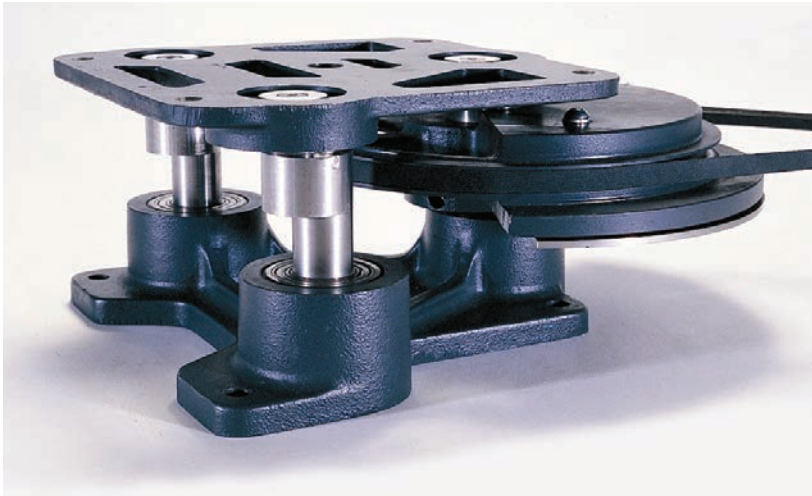
Optional drip pan: Protects the shaker drive below by collecting spills from the overlying universal platform

Find the right accessory for your vessel format and application, along with detailed specifications and information!

Eppendorf Shaker Accessory Guide

www.eppendorf.com/shaker-accessory-guide





Built to Perform & Last

Unexpected downtime and late results are not an option for you? And do you have more important things to do than organize repair for your benchtop orbital shaker over the weekend? Since its introduction more than 50 years ago, the cast iron triple-eccentric drive from Eppendorf has been the gold-standard in shaker drive technology. The heavy-duty construction of the triple-eccentric drive gives you confidence that our shakers will perform to your specifications, even when fully loaded and operating at top speed.



Peace of Mind – Your Service Options

Our Service Agreements – Your Advantages

With our basket of Service Agreement solutions, we take the load off your shoulders by simplifying your ordering and budgeting process for various services over the full lifetime of your instruments.

Your costs become reduced and predictable, thereby assuring continuous productivity and a long service life. In addition, our agreements include repair costs – fully or partially – and discounts on other services.

Eppendorf Service Agreements



Services Agreement	AdvancedCare For assured instrument reliability an uptime	PremiumCare For assured instrument reliability, uptime and financial plannability
Full preventive maintenance	1/year	1/year
Priority support* ¹	■	■
Spare parts, labor, travel on repairs	20% discount	included
Discount on additional services (e.g. IQ/OQ)	10%	10%

*¹ Subject to local business conditions, and based on a »best effort« practise. For more information please contact your local service organization.



Innova® 40/40R

Comparable Shaker #1

Comparable Shaker #2

Capacity and compatibility			
Orbit options	1.9 or 2.5 cm (0.75 or 1 in)		
Platform size	46 × 46 cm (18 × 18 in)		
Max. flask size	3L		
Drive type	Triple-eccentric counterbalanced (three shafts to support weight), nine permanently lubricated ball bearings		
Motor type	Solid state brushless DC		
Growth Conditions			
Speed range	25 – 500 rpm		
Speed increment	1 rpm		
Speed accuracy	±1 rpm		
Speed deviation alarm (visible & audible)	±5 rpm		
Temperature range	Innova 40: ambient +10 °C to 80 °C Innova 40R: ambient -15 °C (min. 4 °C) to 80 °C		
Temperature increment	0.1 °C		
Ambient temperature	10 – 35 °C		
Temperature accuracy	±0.1 °C (at 37 °C)		
Temperature uniformity	±0.25 °C (at 37 °C)		
Temperature deviation alarm (Visible & audible)	±1 °C		
Handling, Ergonomics, Service			
Programming of temperature or speed	Yes (15 steps, 4 programs storable)		
User interface	Graphical with display of setpoint and actual value		
Logging of chamber temperature, rpm, and alarms, remote parameter and status monitoring, alarm notifications via email or SMS	Yes, via RS-232 interface combined with VisioNize® Lab Suite (VisioNize® box required)*		
Handling, Ergonomics, Service			
Weight (incubated/ refrigerated)	60/79 kg (133/175 lbs)		
Footprint on lab bench	55.9 × 76.2 cm (22 × 30 in)		

*Check availability in your country

Ordering information

Description	Order no.
New Brunswick Innova® 40	
non-stackable, orbit 1.9 cm (0.75 in)	see online*
non-stackable, orbit 2.5 cm (1 in)	see online*
New Brunswick Innova® 40R	
refrigerated, non-stackable, orbit 1.9 cm (0.75 in)	see online*
refrigerated, non-stackable, orbit 2.5 cm (1 in)	see online*
Platforms for Innova® 2100/40/40R/42/42R, Excella® E24/E24R, 46 × 46 cm (18 × 18 in), phenolic resin (unless otherwise stated)	
Universal platform, aluminum	M1250-9902
125 mL Erlenmeyer flask dedicated platform	M1194-9904
250 mL Erlenmeyer flask dedicated platform	M1194-9905
500 mL Erlenmeyer flask dedicated platform	M1194-9906
1 L Erlenmeyer flask dedicated platform	M1194-9907
2 L Erlenmeyer flask dedicated platform, for 2 L wide neck Erlenmeyer flasks (DIN-ISO 24450), bottom diameter ~153 mm. For 2 L narrow neck Erlenmeyer, Thomson, or Corning flasks (DIN-ISO 1773) bottom diameter ~166 mm refer to universal platform and clamps M1190-9004.	M1194-9908
Shaker clamps, microplate racks and test tube racks	see online*
Sticky pad platform for Innova® 40(R)/42(R)/2100, Excella® E24(R), 46 × 46 cm (18 × 18 in), 4 sticky pads necessary to cover platform (sold separately, order no: M1250-9700), anodized aluminum	M1250-9903
Sticky pad adapter kit	M1250-9504
Sticky pad	M1520-9700
Quick-change platform kit , enables platform attachment without tools, for Innova® 2100/4000/4080/4230	M1192-9901
Utility carrier , holds racks and vessels between x2 rubber-cushioned cross bars, for Innova® 2100/Innova® 40 /Innova® 42/Excella® 24	M1194-9909
Rod kit , for utility carrier (one additional rod), of Innova 40/42/2100 and Excella 24 lab shakers	M1194-9923
Utility tray with non-skid rubber surface for Innova® 2100, 40, 42 , usable as a stand-alone – no other platform required	M1194-9910
Drip pan , to catch accidental spills, for universal platform M1250-9902	M1250-9906
Remote alarm option , for Innova® 44/44, Innova® 43/43, Innova® 42/42 or Innova® 40/40	M1320-8029
VisioNize® Lab Suite (VisioNize® box required) , remote parameter and status monitoring, alarm notifications via email or SMS, response-based alarm escalation + more. Check availability in your country – sign up and connect 3 devices for free.	Sign up online

*To find the correct order number for your country, please check www.eppendorf.com/shakers or contact your local sales representative.

Looking for *Service Agreements* including annual full preventive maintenance or IQ/OQ GxP qualification services?
Contact your Eppendorf representative

Need More?

If you are looking for a benchtop orbital shaker that offers even more applicational flexibility, have a look at the Innova 42/42R. It is one of our most popular shakers because of its cleanability, variety of options (like a static cultivation shelf, a culture drawer to protect Agar plates from evaporation, UV germicidal or photosynthetic light), and flexibility of placement in the lab (2x stackable, on or under bench).

> Find out more about the Innova 42 at www.eppendorf.com/shakers



Your local distributor: www.eppendorf.com/contact
Eppendorf SE · Barkhausenweg 1 · 22339 Hamburg · Germany
eppendorf@eppendorf.com · www.eppendorf.com

www.eppendorf.com