IKA

designed for scientists



EasySyn 500 Starter Reactor system

/// Data Sheet

EasySyn is the reactor system for organic or aqueous syntheses. It ensures safe and reproducible chemical reactions on the way from laboratory to pilot scale.

Our EasySyn 500 Starter package comprises a complete reactor system for use in the laboratory. The high quality of the used materials allows operation at temperatures from -50 to 200 °C and up to a vacuum of 3 mbar.

EasySyn 500 Starter includes:
Ergonomically designed stand system for quick and easy exchange of reactor vessels and adjustment of the working

height to your body size.
DN 100 vessel clamp for mounting the reactor vessel
Double-walled 500 ml reactor vessel made of chemically resistant borosilicate 3.3 glass with bottom discharge valve
Spring-loaded valve spindle of the drain valve to prevent glass breakage
Reactor lid with various openings (1 x NS 29/32 center glass joint, 2 x NS 29/32, 1 x NS 14/23) for flexible adaptation to the desired application
DN 100 clamp ring and DN 100 FEP-coated O-ring to ensure chemical resistance
Powerful overhead stirrer EUROSTAR 60 digital with 60 Ncm, including torque measurement and keyless chuck for easy and fast mounting of the stirring tool
PTFE-coated propeller stirrer for optimum mixing and chemical resistance
High-quality stirrer guide for vacuum operation up to 3 mbar.
RS 232 and USB interfaces on the stirrer for external control using our lab automation software labworldsoft® 6, available as an accessory.

Further reactor vessels (with and without bottom discharge), reactor covers, stirring tools, temperature sensors, circulators, laboratory automation and much more can be found in the section "Accessories".

To complete your system, you get all the complementary components from a single source: overhead stirrers, circulators, vacuum pumps and controllers, sensors and automation software. All from IKA and all perfectly matched to each other.

Would you like your own desired configuration? Or do you need an offer? You are welcome to contact our sales team.

Note: The scope of delivery does not include temperature hoses for connecting a thermostat.

Scope of delivery
•EUROSTAR 60 digital
•R 4011 SY Propeller stirrer
•SY guide
•SY O-ring 100
•SY clamp ring 100
•SY clamp 100
•SY 100.1 Reactor lid
•SY 500 D Reactor vessel
•SY stand

designed for scientists

Technical Data

Volume [l]	0.5
Flange dimension	DN100
Vacuum application	yes
Lid center neck	NS 29/32
Lid side necks	2x NS 29/32, 1x NS 14/23
Working temperature [°C]	-50 - 200
Useable volume min. [ml]	30
Useable volume with temperature probe min. [ml]	260
Attainable vacuum [mbar]	3
Torque max. at stirring shaft [Ncm]	100
Torque max. at stirring shaft at 30-400 rpm [Ncm]	100
Torque max. at stirring shaft at 400-2000 rpm [Ncm]	100-60
Torque measurement	yes
Deviation of torque measurement l [Ncm]	±6
Dimensions (W x H x D) [mm]	500 x 950 x 580
Weight [kg]	20
RS 232 interface	yes
USB interface	USB-C