

IKA

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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



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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 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.

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

- SY stand
- SY 500 D Reactor vessel
- SY clamp 100
- SY clamp ring 100
- SY O-ring 100
- SY 100.1 Reactor lid
- R 4011 SY Propeller stirrer
- EUROSTAR 60 digital
- SY guide
- R 60 Keyless chuck



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Technical Data

Volume [l]	0.5
Flange dimension	DN100
Vacuum application	yes
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]	60
Dimensions (W x H x D) [mm]	500 x 950 x 580



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.