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EasySyn 500 Advanced 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 Advanced package comprises a complete reactor system for use in the laboratory. You can also control it with the IKA lab software labworldsoft® 6 to automate all processes. 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 Advanced includes the LT 5.40 draining set. With its special valves, it enables fast and clean draining of the

tempering fluid from the double jacket and easy replacement of the reactor vessel.

EasySyn 500 Advanced also includes:
- Ergonomically designed stand system for quick and easy replacement of the reactor vessels and adjustment of the working height to your body size.
- DN 100 vessel clamp for holding the reactor vessel
- Double-walled 500 ml reaction 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 100 control with 100 Ncm, including keyless chuck for easy and fast mounting of the stirring tool
- Additional functions such as timer, overload protection and temperature measurement integrated in the overhead stirrer
- PTFE-coated propeller stirrer for optimum mixing and chemical resistance
- High-quality stirrer guide for vacuum operation up to 3 mbar
- Drainage set LT 5.40 with valves and temperature control hoses for easy draining of the double-walled reactor vessel and for fast changing of the reactor vessels
- RS 232 interface 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 " Accessories" section.

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

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- SY 100.1 Reactor lid
- R 4011 SY Propeller stirrer
- EUROSTAR 100 control
- SY guide
- R 60 Keyless chuck
- LT 5.40 Draining set

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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]	100
Dimensions (W x H x D) [mm]	500 x 950 x 580
RS 232 interface	yes
USB interface	Micro-USB

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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.