



designed for scientists



LR-2.ST the Allrounder

/// Data Sheet

Modularly configured laboratory reactor for the optimization and reproduction of various chemical reactions, mixing and homogenization processes on a lab scale.

The system is particularly characterized by the agitator mounting, which allows for a safe transfer of the higher motor torque.

ULTRA-TURRAX® dispersers, temperature sensors, flow breakers and other accessories can be attached to the open ports of the reactor cover.

- Suitable for vacuum operation



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- Solvent- and temperature-resistant perfluoroelastomer (FFPM) seals come into contact with sample
- Infinitely variable speed
- Torque trend display for measuring changes in viscosity
- Microprocessor-controlled speed regulation, enables steady speed, also under load
- Removable WiCo (wireless controller) for remote and safe use in a fume hood

The LR-2.ST laboratory reactor system consists of:

- Stand system
- EUROSTAR 200 control high-torque laboratory stirrer
- Safety switch
- Reactor cover

Scope of delivery

- LR-2.ST
- LR.SI
- HEAD, REACTOR, LR2.10
- EUROSTAR 200 control



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Technical Data

Useable volume [ml]	500 - 2000
Useable volume with disperser tool min. [ml]	800
Working temperature [°C]	-50 - 230
Attainable vacuum [mbar]	25
Viscosity max. [mPas]	100000
Speed range [rpm]	8 - 290
Telescope stand stroke [mm]	390
Material in contact with medium	borosilicate glass, FFPM, PTFE, steel 1.4571
Reactor vessel openings (units/standard)	3/NS 29/32 2/NS 14/23
Torque max. at stirring shaft [Ncm]	200
Dimensions (W x H x D) [mm]	670 x 1240 x 580
Weight [kg]	25
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80