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LR-2.ST Package 1

/// Data Sheet

Modular design laboratory reactor for optimization and simulation of various chemical reactions as well as for mixing and homogenizing processes in a laboratory scale.

LR-2.ST laboratory system consisting of:
- Stand system
- Laboratory stirring unit EUROSTAR 200 control P4 with high torque
- Anchor stirrer LR 2000.11 with flow borings
- Safety shutdown

- Reactor cover
In the free connections of the reactor cover a dispersing unit (ULTRA-TURRAX®), temperature sensors, flow breakers and other equipment can be installed.

Suitable for vacuum operation. Seals in contact with the product are made of solvent- resp. temperature-resistant perfluoroelastomer (FFPM). Infinitely adjustable speed.
Integrated torque trend display for the measurement of viscosity changes. Through control actuated by microprocessor the set speed is held constant, even under load.

Package 1:
LR-2.ST with single walled reactor vessel LR 2.1

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Technical Data

Useable volume [ml]	500 - 2000
Working temperature [°C]	room temp. - 230
Attainable vacuum [mbar]	25
Viscosity max. [mPas]	150000
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
Dimensions (W x H x D) [mm]	460 x 1240 x 430
Weight [kg]	25
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Voltage [V]	115