



designed for scientists



## LR-2.ST the High-Performer

/// 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 P4 laboratory stirrer with higher torque
- Safety
- Reactor cover



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### Technical Data

|  |  |
|--|--|
| Useable volume [ml]                          | 500 - 2000                                   |
| Useable volume with disperser tool min. [ml] | 800  |
| 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                        |
| Torque max. at stirring shaft [Ncm]          | 660  |
| 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   |

