



### LR-2.ST the Versatile

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
- 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 100 control laboratory stirrer with (counter-) clockwise function
- Safety switch
- Reactor cover

Technical Data	
Usable volume min. [ml]	500
Usable volume max. [ml]	2000
Working temperature min. [°C]	Room temp.
Working temperature max. [°C]	230
Attainable vacuum [mbar]	25
Viscosity max. [mPas]	70000
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
<b>Ident. No.</b>	<b>0020013293</b>

Accessories: LR 2000.10 Anchor stirrer, LR 2000.11 Anchor stirrer, LR 2000.20 Flow breaker, LR 2.1 Reactor vessel, HBR 4 - LR control, LR 2000.1 Reactor vessel, LR 2000.2 Reactor vessel, LR-2.SP Splinter shield, LR 2000.3 Reactor vessel, LR 2000.4 Reactor vessel, HBC 5 basic, HBC 5 control, LR 2000.40 Shaft receptacle, LT 5.20 Hose kit (2 pcs), LT 5.21 Hose kit insulated (2 pcs), LT 5.23 Hose adapter, LT 5.25 Lock coupling, LT 5.26 Lock coupling, LT 5.27 Hose adapter, H 68.55 Temperature sensor, stainless steel, PT 1000.61 Temperature sensor Ø 6 mm, HBR 4 control, T 25 digital LR, LR 2000.60 Sensor receptacle, S 25 KV - 2802 Dissolver agitator shaft, high speed, S 25 KV - 25 G Dispersing element, S 25 KV - 25 F Dispersing element, ALMEMO 2490, LR 2000.64 pH process electrode, LR 2000.65 Receptacle for pH electrode, labworldsoft®, PC 4.1 RS 232 Server, PC 1.1 Cable