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LR-2.ST Package 3

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 power control-visc P7 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 3

LR-2.ST with double walled reactor vessel LR 2000.2, incl. bottom discharge valve

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]	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 moisture [%]	80
Protection class according to DIN EN 60529	IP 42
RS 232 interface	yes
Analog output	yes
Voltage [V]	230
Frequency [Hz]	50/60
Power input [W]	130
Ident. No.	9008600

Accessories: LR 2000.1 Reactor vessel, LR 2000.2 Reactor vessel, LR 2.1 Reactor vessel, LR 2000.10 Anchor stirrer, LR 2000.11 Anchor stirrer, LR 2000.20 Flow breaker, VC 2 IKAVAC® Vacuum controller, T 25 digital ULTRA-TURRAX®, HBR 4 digital Heating bath, CC3-308B vpc, LVS 105 T-ef, DTM 12 IKATRON® Digital temperature measuring instrument, PT 100.25 Temperature sensor, LT 5.24 Hose adapter, PC 2.3 Cable, PC 1.5 Cable, labworldsoft®, PC 2.2 Adapter, LR 2000.60 Sensor receptacle, S 25 KV - 18 G Dispersing element, S 25 KV - 25 F Dispersing element, LT 5.20 Hose, PC 1.2 Adapter, PCI 8.2 Plug-in card, LR 2000.40 Shaft receptacle, S 25 KV - 25 G Dispersing element