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Find the *IKA LR 2000 V* at our website: ***Click HERE***

Data Sheet

Laboratory reactors / Laboratory Reactors



LR 2000 V (vacuum)

Stand LR 2000.70 for vacuum variant LR 2000 V. Please contact IKA® for a detailed quotation for the complete system.

The system LR 2000 V is a modularly expandable laboratory reactor, designed and planned for reproducing and optimizing chemical reaction processes as well as mixing, dispersing and homogenization processes at laboratory scales.
Some examples for these processes are:
- Manufacturing of cremes, lotions, emulsions, and liposome preparations in the pharmaceutical and cosmetic sector
- Mixing of solids such as calcium carbonate, talc, titanium oxide, etc. into liquid polymers
- Mixing of additives and solid polymer compounds into mineral oils
- Grinding and disintegrating of solids and fibers in liquids and polymers
The laboratory reactor LR 2000 V (vacuum) is especially designed for the use in the pharmaceutical and cosmetic sector.
The system can be adapted individually to a wide range of different applications and specific requirements. IKA® laboratory devices, e.g. temperature and pH measuring instruments, laboratory stirrers and dispersing instruments, pumps and thermostats can be combined and controlled via PC using labworldsoft®. The torque measuring instruments VK 600 control VISCOKLICK® or VM 600 basic allow for evaluation of rhelogical properties.
The IKA® laboratory reactor features among others are:
- Modularly expandable to accommodate intercheangable instruments for various applications (3 x NS 29 and 2 x NS 14 ground joints)
- Single- and double-walled jacketed 2 liter vessels available made of borosilicate glass or stainless steel, with or without bottom discharge valve
- Sealing materials (FFPM) resist solvents and temperatures for applications up to 230 °C

Technical Data	
Usable volume min. [ml]	500
Usable volume max. [ml]	2000
Working temperature min. [°C]	room temp.
Working temperature max. [°C]	230
Pressure max. [bar]	1
Attainable vacuum [mbar]	25
Viscosity max. [mPas]	150000
Speed range [1/min]	8 - 290
Telescope stand stroke [mm]	260
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]	500 x 1350 x 500
Weight [kg]	30
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.	**2509000**

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