

# Operation Manual Rotavapor® R-220





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Read this Operating Manual through carefully before using the Rotavapor **R-220**. Always keep these Instructions readily available in the immediate vicinity of the unit so that they make be consulted at any time.

Chapter 2 contains important safety rules which must be observed to ensure the safe operation of the rotary evaporator.

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**Ordering No.**

R-220 Operation Manual

**96737**

# 1 Scope of Delivery

## Component

- 1 Chassis, complete, with control and driving unit and with heating bath
- 1 6L, 10L or 20L Evaporation flask
- 1 Receiving flask 1 x 10L Single receiver or 2 x 10L Interchangeable receivers
- 1 Glass assembly (Refer to Chap. 4.6 - 4.8 for Figure)

Table 1: Scope of Supply

Standard Accessories:	Ordering No.
1 Seal tool	<b>20057</b>
1 Operating Manual	
German	<b>96736</b>
English	<b>96737</b>
French	<b>96738</b>
Italian	<b>96739</b>
Spanish	<b>96740</b>

Table 2: Standard Accessories

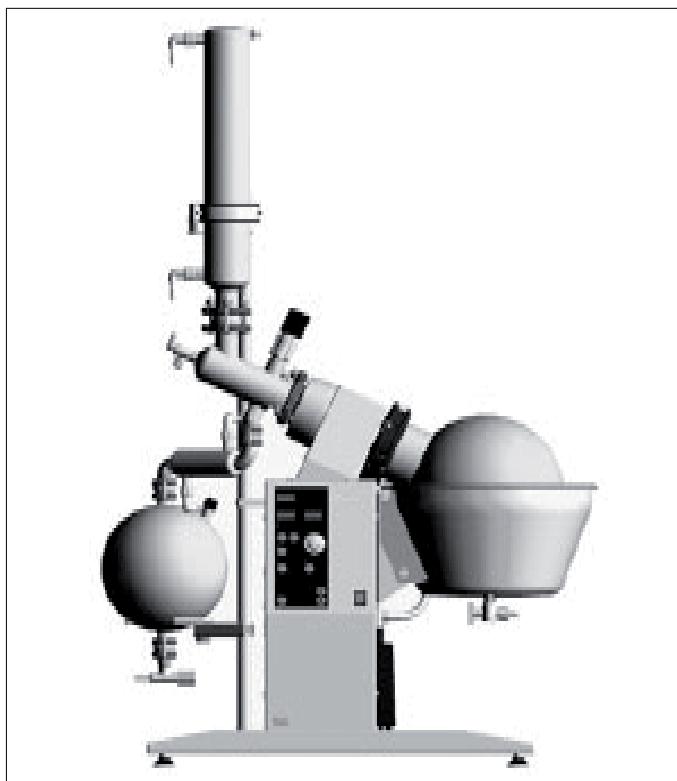


Fig. 1: R-220, Overall View

## 2 Safety

This unit has been built in accordance with the latest state of the art and with recognized rules of safety. Nevertheless there are certain risks and dangers entailed with this unit:

- whenever the unit is operated by individuals who lack sufficient training;
- whenever the unit is used for some purpose other than its authorized use.

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### 2.1 Symbols



#### Stop

Information on dangers that can cause serious material damage and severe personal injuries or death.



#### Warning

Information on dangers that can be injurious to one's health or cause material damage.



#### Note

Information pointing out technical requirements. A failure to observe such information can lead to malfunctions, uneconomical operation, and losses in production.

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### 2.2 Responsibilities of the Operator

This unit may only be used by technical staff and by individuals who, based on their training or their professional experience, have a good understanding of the dangers that can arise from the its operation.

Staff who do not have this training and individuals who are currently in training must be given careful instructions. This Operating Manual should be used as the basis for such training.

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### 2.3 Authorized Use

The rotary evaporator has been designed for use in technical laboratories and in production. It is authorized for use in applications that work with the evaporation and condensation of solvents.

It is used for:

- Evaporation of solvents and suspensions
- Drying of powders and granulates
- Re-crystallization
- Reactions under reflux
- Synthesis and Cleaning of refined chemicals
- Recycling and concentration of solvents

The authorized use of the Rotavapor also includes its care, upkeep, and careful handling in accordance with the provisions in this Operating Manual.

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