



INTRODUCES...

# Large-Scale Rotavaps

## Product Features:

- Totally programmable through digital operating panel
- Designed for 24-hour continuous use
- Condensate is automatically drained off to any receptacle
- Auto system automatically delivers sample to evaporating flask via an intricate, accurate sensor system
- Auto controlled self filling bath system
- Affordable alternative to 50 & 100L evaporators
- Integrated vacuum sensor and valve
- Auto distillation capability through the use of either the constant set-point pressure feature (P const program) or via the vapor temperature control feature
- Built-in timer can automatically stop and start reaction
- Wide choice of glassware sets (please call us or visit [www.aceglass.com](http://www.aceglass.com) for details)
- Three-year manufacturer's warranty from Heidolph

## 13302 LR20 ROTAVAP Safety Version

Designed for maximum safety and user protection, the LABOROTA 20 Control, Safety, includes a safety shield and glass panels. It is ideal for large-scale distillations where maximum protection is needed. Safety shield is constructed of a metal frame, and safety glass completely covers the bath and evaporating flask — providing excellent protection against implosion and splashing. A sensor stops the rotation if the safety shield is opened during the distillation process, and the non-fogging safety glass provides clear, visible monitoring of the process in your evaporation flask. 230V, 60Hz.

## 13302 BASE/SUPPORT STAND

*Fits all LABOROTA 20 Units*

This fully maneuverable, optional base unit features removable panels for storage of glassware, solvents or accessories.



	Order Code
Base/Support Stand	13302-310

See reverse side for automatic version

## Automatic Version

Designed for unattended distillations, especially for the most demanding production and scale-up requirements!

With the unique LABOROTA 20 Control, Automatic, solvents or samples intended for distillation are automatically delivered into the evaporating flask via an intricate and highly accurate sensor system that detects the need for replenishing the evaporating flask. Throughout the distillation, the condensate is automatically drained off to any receptacle, carboy drum or vessel of choice. Upon completion of the distillation, and once the distillate has been collected, the LABOROTA 20 Control, Automatic completely shuts down and prepares itself for your next application.

In addition, the self-filling, digitally controlled heating bath allows for use over an unlimited time, including evenings and weekends, so there's no need to worry about manually replenishing the bath liquid, either — the LABOROTA 20 Control, Automatic does that, too!

### 13302 LR20 ROTAVAP

*Automatic, Economy Version*

Unit includes a choice of water bath with temperatures up to 100°C for low-boiling solvents, or oil bath (available upon request) with temperatures up to 180°C for high boiling point solvents and more demanding distillations. 230V, 60Hz.

### 13302 LR20 ROTAVAP

*Automatic, Safety Version*

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**LABOROTA  
Automatic**



**Control Panel**

LR 20 Model	Bath Type	Glassware Style	Order Code
Safety	Water	R	13302-55
Safety	Water	R Shorty	13302-59
Safety	Water	RC	13302-63
Safety	Water	RC Shorty	13302-67
Safety	Water	A	13302-71
Safety	Water	AC	13302-75
Safety	Water	A2	13302-79
Safety	Water	A2C	13302-83
Automatic, Economy	Water	A	13302-108
Automatic, Economy	Water	A2	13302-112
Automatic, Safety	Water	A	13302-208
Automatic, Safety	Water	A2	13302-212
Base/Support — Fits all LABOROTA LR20 Units			13302-310



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