

Mini Reactors, Schlee

① Mini-reactor for synthesis in liquid phase with mechanic stirring unit and heating

The newly designed compact mini-reactor is suitable for synthesis in the liquid phase with mechanical stirring unit and a volume from 50 ml to 2000 ml as well as electric heating. The reactions

can take place under vacuum or over pressure. The temperature is variable in the range from ambient +10°C to 250°C with intervals of 0.5°C, controlled by a micro processor with an integrated PT100 sensor. You can select a stirring speed between 100 1/min and 700 1/min in gradings of 25 1/min by another micro processor. The unit consists of an aluminum block for a quick transfer as well as even distribution of the temperature, equipped with punch holes in order to be able to monitor the reaction. The reactor as well as the stirring unit are mounted to a telescope bar for easy operation during the process and they are adjustable. The unit has an automatic safety system in case of overheating. Furthermore, the new series carries an RS232 port along with an internal memory convertible into Excel-format and auto tuning function.

Type	Volume ml	Order No.
HME-R/50	50	10 34 40005
HME-R/100	100	10 34 40010
HME-R/250	250	10 34 40025
HME-R/500-3"	500	10 34 40053
HME-R/500-4"	500	10 34 40054
HME-R/1000	1000	10 34 40100
HME-R/2000	2000	10 34 40200

1) Special versions for fermentation or as bio reactor available upon request!

② Mini-reactor for synthesis in liquid phase with mechanic stirring unit

The newly designed compact mini-reactor is suitable for synthesis in the liquid phase with mechanical stirring unit and a volume from 50 ml to 2000 ml. The temperature for these reactors can

be generated via an external device. These reactors have the possibility to control as well as time and stirring speed independently of one another. The reactions can take place under vacuum

or excess pressure. The stirring speed can be selected between 100 1/min and 700 1/min in gradings of 25 1/min by another micro processor. The user can select from different reactor types depending on his individual usage purposes. Furthermore, the new series carries an RS232 port along with an internal memory convertible into Excel-format and auto tuning function.

Type	Volume ml	Order No.
MR1-50	50	10 34 41005
MR1-100	100	10 34 41010
MR1-250	250	10 34 41025
MR1-500-3"	500	10 34 41053
MR1-500-4"	500	10 34 41054
MR1-1000	1000	10 34 41100
MR1-2000	2000	10 34 41200

Accessories

Article	Order No.
MR 4 control unit for 4 motors, with digital 1/min and time control	10 34 42004

