

cleaning.

- Unplug the power line when cleaning.
- Only use cleanser that we advised as below:

Dyes	Isopropyl alcohol
Construction materials	Water containing tenside / isopropyl alcohol
Cosmetics	Water containing tenside / isopropyl alcohol
Foodstuffs	Water containing tenside
Fuels	Water containing tenside

Table 3

- Before using other method for cleaning or decontamination, the user must ascertain with the manufacturer that this method does not harm or destroy the instrument.
- Wear the proper protective gloves during cleaning of the instrument.
- The instrument must be cleaned and put it into the initial packaging carton before sending to service for repair, avoiding the contamination of hazardous.
- Use the instrument in a dry clean room and temperature stable environment.

## 9 Associated standards and regulations

Construction in accordance with the following safety standards:

EN 61010-1

UL 3101-1

CAN/CSA C22.2(1010-1)

EN 61010-2-10

Construction in accordance with the following EMC standards:

EN 61326-1

Associated EU guidelines:

EMC-guidelines: 89/336/EWG

Machine guidelines: 73/023/EWG

## 10 Technical data

Items	Parameters
Voltage [VAC]	200-240 / 100-120
Frequency [Hz]	50/60
Power [W]	530(MS-H-S) / 130(MS-S)
Stirring point position quantity	1
Max. stirring quantity (H2O) [L]	20

Max. magnetic bar [mm]	80
Motor type	External rotor brushless motor
Max. power input of motor [W]	18
Max. power output of motor [W]	10
Speed range[rpm]	0 ~ 1500
Speed display accuracy [rpm]	1
Hotplate material	Stainless steel/porcelain enamel
Ø of the hotplate [mm]	Ø 135
Heating power[W]	500(MS-H-S)
Heating rate (1L water) [K/min]	6(MS-H-S)
Temperature range[ °C ]	RT~340(MS-H-S)
The safety temperature range of the hotplate [ °C ]	350(MS-H-S)
Dimensions (mm)	280 × 160 × 85
Weight [kg]	2.8
Permitted ambient temperature[ °C ]	5 ~ 40
Permitted relative humidity	80%
Protection class acc. to DIN 60529	IP42

Table 4

#### Accessories

18900001	MS 135.1 Carrier plate, Used with MS135.2--5
18900002	MS 135.2 Quarter, 4 ml reaction vessel
18900003	MS 135.3 Quarter, 20 ml reaction vessel
18900004	MS 135.4 Quarter, 30 ml reaction vessel
18900005	MS 135.5 Quarter, 40 ml reaction vessel
18900048	MS 135.6 Quarter, 8 ml reaction vessel
18900049	MS 135.7 Quarter, 16 ml reaction vessel
18900006	Stirring bars (10mm x 6mm) , 1pcs/pk
18900007	Stirring bars (15mm x 8mm) , 1pcs/pk
18900008	Stirring bars (20mm x 8mm) , 1pcs/pk
18900009	Stirring bars (25mm x 8mm) , 1pcs/pk

12500005	Stirring bars (30mm x 6mm) , 1pcs/pk
12500005	Stirring bars (30mm x 6mm) , 1pcs/pk
18900011	Stirring bars (40mm x 8mm) , 1pcs/pk
12500004	Stirring bars (50mm x 8mm) , 1pcs/pk
18900013	Stirring bars (65mm x 8mm) , 1pcs/pk
18900014	Stirring bars (80mm x 13mm) , 1pcs/pk
18900015	Stirring bar mover, 1pc

Table 5

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