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AUTOCLAVES HG-SERIES



AUTOCLAVES HV-SERIES



TABLETOP AUTOCLAVES HMT-SERIES



MAGNETIC STIRRERS CYCLONE



OPERATION INSTRUCTIONS

HMC EUROPE

Magnetic stirrers CYCLONE 6/15



1. SAFETY DIRECTIONS

Before operating the equipment please read carefully all the instructions and safety notes. If you have any questions, please contact us!

Follow the directions on setting up, operation etc., this is the only way to avoid incorrect operation of the equipment and to ensure full warranty protection.

- Transport the equipment with care!!
 - Device and device interior can be damaged:
 - by shock
 - by dropping
 - Equipment must only be operated only by technically qualified personnel!
 - Do not start up equipment when:
 - It is damaged
 - The supply cable or network device is damaged
- Switch off the equipment and pull out the mains plug for :
- Servicing or repair
 - Before moving the equipment!
- Have the equipment serviced or repaired by properly qualified personnel only!!





HMC CYCLONE magnetic stirrers are made for mixing and stirring of liquids. As a result of this there are certain ordinary risks by using electrical energy. Additionally risks could result by using and mixing different substances. This is in the responsibility of the user. The equipment may only be used as described in this operating manual by qualified employers.

Other safety directions:

Connect equipment only to power supply hp 8246 ; switch off equipment before cleaning or maintenance!
Use only suitable magnet stirrer bars!

2. SHORT INSTRUCTIONS

(1) DISPLAY AND OPERATION SWITCHES



ON/OFF KEY **Display rpm and power in %** **minus / plus**

(2) OPERATION

Connect Power Supply to magnetic stirrer.

Press **⏻** : Display shows „200“ = basic setting

Press **⏪** : revolution speed will be reduced in steps of 5rpm
minimum revolution speed 100rpm

Press **⏩** : revolution speed will raise in steps of 5rpm
maximum revolution speed 1200rpm

Power setting:

Press **⏻** and **⏪** to reduce power in steps of 5%, minimum: 20%

Press **⏻** and **⏩** to raise power in steps of 5%, maximum 100%

Setting power: to reduce warming of stirrer surface or for better stirring effect with higher volumes.

Press **⏪** and **⏩** simultaneously to reset the magnetic stirrer to 200rpm und 50% Power



Reference: The mixing-effect depends strongly on the size and quality of the used magnetic stirring bars, the volume and viscosity of the liquid which should be mixed, as well as and from glassware.

The surface of the magnetic stirrer is equipped with a transparent coating, which easily can be drawn-off.

Technical Details			
Type	unit	Cyclone 6	Cyclone 15
Number of stirring points		6	15
Distance between stirring points	(mm)	130	65
Stirring volume per stirring points	(ml)	1-1500	1-1000
Stirring power	(W)	5-20	5-20
Speed range	(1/min)	100-1000	100-1000
Dimensions	D x W x H (mm)	240x420x35	240x420x35
weight (stirring drive)	(kg)	about 7,5	about 7,5
Operating Voltage	(VDC)	12	12
Construction			
Material stirring drive	stainless steel	stainless steel	
Protection acc. to DIN 40050	IP66	IP66	
Controlling cable (length)	(m)	1	2
Environment conditions			
Environment temperature	(°C)	-10 until + 56 in 100% air damp	-10 until + 56 in 100% air damp
Operation		directly	directly
Incl. universal power supply component (VDE tested)		power supply unit	power supply unit
Supply voltage/ frequency		100-240VAC /50-60Hz	100-240VAC /50-60Hz