TECHNICAL DATA SHEET

ALab™ MS-H380-Pro LCD Digital Magnetic Hotplate Stirrer

LCD digital magnetic hotplate stirrer · 140 × 140 mm plate · RT to 380°C · 200 to 1500 rpm · 5 L · not for chemical fields



ALab™ MS-H380-Pro LCD Digital Magnetic Hotplate Stirrer

The ALab™ MS-H380-Pro LCD Digital Magnetic Hotplate Stirrer; image shown for reference.

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SECTION I

Product Overview

NOT FOR USE IN THE CHEMICAL FIELD. The MS-H380-Pro is not available for chemical fields. Consult ACS Material to identify a suitable model for your specific application.

The ALab™ MS-H380-Pro is an LCD digital magnetic hotplate stirrer with a square 140 × 140 mm aluminum plate with ceramic coating for immediate heat transfer, heating from RT to 380°C. It stirs up to 5 L of water at 200 to 1500 rpm. The high-resolution LCD shows actual temperature and speed; external temperature control is possible with a PT1000 sensor (±0.2°C); 420°C overheating protection is built in.

SECTION II

Core Advantages

- **Heating** — RT to 380°C
- **Speed** — 200 to 1500 rpm
- **Control** — PT1000 control, ±0.2°C
- **Plate** — 140 × 140 mm, ceramic coated
- **Display** — LCD, ±0.1°C
- **Use** — not for chemical fields

SECTION III

Specifications

Technical data — MS-H380-Pro

Specifications	
Brand	ALab™ by ACS Material
Model	MS-H380-Pro
ACS Cat. No.	Parent ALMH380F; ALMH380P
Product type	LCD digital magnetic hotplate stirrer with 140 × 140 mm ceramic-coated plate
Work plate dimension [W × D]	140 × 140 mm
Work plate material	Aluminum cover with ceramic coating
Motor type	Brushless DC motor
Stirring positions	1
Maximum stirring volume [H_2O]	5 L
Maximum stirrer bar length	50 mm
Speed range	200 to 1500 rpm
Speed display	LCD
Temperature display	LCD
Heating temperature range	RT to 380°C
Temperature control accuracy (liquid)	±1°C (<100°C), ±1% (>100°C)
Overheating protection	420°C
Temperature display accuracy	±0.1°C
External temperature sensor	PT1000 (accuracy ±0.2°C)
Protection class	IP21
Power	510 W
Heating output	500 W
Voltage, frequency	100 to 120 V / 200 to 240 V, 50/60 Hz
Dimensions [W × D × H]	320 × 180 × 108 mm
Weight	2.2 kg
Permissible ambient temperature and humidity	5 to 40°C, 80% RH

Specifications	
Use restriction	Not available for chemical fields

Control and safety

Function	Detail
Use restriction	Not available for chemical fields
Overheating protection	420℃
External temperature control	PT1000 temperature sensor, accuracy ±0.2℃, for control of the liquid temperature

SECTION IV

Applications

Heating to 380℃ and magnetic stirring of up to 5 L of water in laboratory work outside the chemical field.

Not available for chemical fields. Specifications are per the tables above.

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