WIGGENS
THE MAGIC MOTION

Infrared Hot Plates / Stirrers Intelligent heating technology for your very demanding applications

WH380

The first address for laboratory instruments

In addition to fast or temperature controlled heating, a lot of applications also require liquids to be stirred. Using our laboratory stirrer WH380 with heating, the process of mixing liquids can be selected from careful to intense, and the device can also be used for speedy heating up or controlled temperature adaptation.

1.2kW

Attractive designs for heating, stirring and controlling

Safe Heating and Mixing

Have you ever heard of hotplates with fast heat-up times and chemical resistance?

Chemical resistance, a high surface quality, and a resistance to temperature shocks of more than 700°C provide the user with maximum benefits compared to conventional heating surface materials. The always pore-free and plane surface enables even most stubborn dirt to be removed simply and in a caring manner. The high infra-red permeability ensures that the heating energy is transferred quickly and with a low loss rate, i.e. it heats liquids faster than other heating surface materials, and thus saves energy.

Quality and safety

> As a matter of course, our laboratory hotplates and laboratory stirrers are developed and produced according to high international quality standards.
> A residual-heat display protects the user from the hazard of injuries (burning). Over-heating is excluded by the built-in over-temperature protection.
> The corrosion-resistant, solid, casing with a hermetically sealed, non-inflammable top made of duroplastic in the case of the laboratory hotplates and of coated die-cast aluminium in the case of the laboratory stirrer ensure a long and trouble-free use of the devices.
> The stand rod holder on the back panel of the device can be used to connect accessories such as a temperature sensor conveniently and securely.

Our new laboratory stirrer will fulfill all the high demands you place on it every day!

The laboratory stirrer WH380 is extremely well suited for gentle to intensive mixing of liquids and at the same time it can quickly heat the liquids or simply keep them at a steady temperature.

Touch controller with intuitive control

The newly designed touch controller has modern sensor keys with a separate display field. Thus you can always keep track and the display field keeps clean. The newly developed menu structure has been optimized by usability experts and offers simple and intuitive operation.

User friendly design

Since the device is controlled using infrared touchcontrol technology, the design of the hotplates excels by the absence of exposed controls, space-restricting frames, or dirt-attracting corners. These design features contribute to a considerable minimisation of the efforts required for cleaning and servicing the devices on a daily basis.

Using our new WH380 stirrer with heating, the process of mixing liquids can be selected from careful to intense, and the device can also be used for speedy heating up or controlled temperature adaptation.

Standard PT100 temperature sensor

Accurate solution temperature within ±2℃ in general range.

Ceramic Glass by Schott combines chemical resistance, top quality surfaces and resistance to temperature shocks of greater than 700℃ .

ceramic glass top plate

Great anti-corrosive ability to acid, base, or organic solvents.

Heating power

WH380 with 1200w power, rapid heating speed.

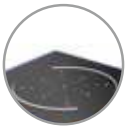
Safety protection

Flashing high temperature indicator, warning for hurt by touch.

The casing is resistant to corrosion, stable and hermetically sealed from above and so guarantees long and problem free use.

Touch controller

with comfortable and easy operation



Heating zone: Ø190

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Stirring, heating and controlling using the WH380

> Corrosion-resistant Ceramic Glass top plate
> Excellent transmittance of the infrared light
> The top plate can resist up to 700℃ thermal shocks
> Hermetically sealed, corrosion-resistant, solid casing
> Fast heating and excellent temperature stability
> External control by the connection of a Pt100 temperature sensor
> A high-temperature indicator warns the user and prevents burning injuries
> Compressed air connector optionally available for the use in aggressive environments

The laboratory hotplate WH380 can be used to mix liquids gently to intensively and if required they can also be heated quickly or at controlled temperatures.

Specifications

CE

Model	WH380
Display Mode	LED
Heating Capacity (kW)	1.2
Max. Set Temperature (top plate) (℃)	550
Max. Set Temperature (with Pt100 sensor)(℃)	40-300
Temperature Stability (with Pt100 sensor)(℃)	±2
Min. Time to Boiling Point for 1L H_2O (min)	10(1L H_2O)
Stirring Speed Range (rpm)	50~1500
Setting accuracy (rpm)	10
Digital set/actual rpm display	yes
Top Plate Area (W x L in mm)	280*280
Heating Zone (mm)	Ø190
Mixing Capacity (L) H_2O	30
Top Plate Material	Ceramic Glass
Housing material	Die-cast, coated with anti-corrosion material
Environmental conditions	-5℃ ~+40℃; Admissible air humidity 85%
Protection type / protection class	IP20, Level 1
Temperature sensor connector	Pt100
Interface	RS-232
Dimensions (L x W x H in mm)	450X282X115
max. load (kg)	25
Weight (kg)	4.1
Mains connection	230V/50Hz
Order No.	400801

For stirrer bars, please reference Page 73