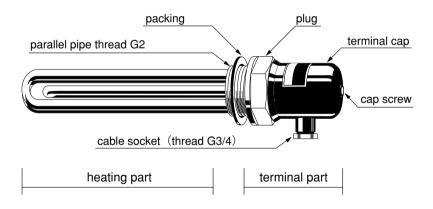
INSTRUCTION MANUAL FOR CAUTIONS ON USES

Follow the instructions for correct use and safety

Please follow instructions herein for correct use. Hold this manual at convenient place for reminding.

Screw-Plug Heater with drip-proof cap

[for water]



- Loose the cap screw and take off the cap and connect the heater with power source.
- Qualified engineers shall set up the power supply.





Switch off the heater immediately when water is insufficient.

Keep the heating part in water. Exposure in the air may cause fire.



 Screw up the power cable tightly with the terminal parts.

Otherwise it may cause electric leakage and shock.



Connect the ground terminal with the container.

Otherwise it may cause electric leakage or shock.



Do not sink whole part of the heater under the water.

Sinking the terminal part may cause electric shock.



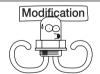
Do not use containers made of resin.

Using containers made of other than metals may cause fire and electric shock.



Do not alter the heaters.

Alteration and deforming the heater may cause fire and electric shock.





Do not use broken or leaky containers.

Check the containers carefully before heating. Lack of water may cause fire or electric shock.



Do not use with any power voltage other than the indicated voltage.

Check the power voltage of the country where you use. Incorrect power voltage may cause fire or electric shock.



Do not heat any other liquid than water.

Heating liquids other than water may cause fire and electric shock



Do not use the heater in the following condition. It may cause fire and electric shock.

In case the heater merges into deposition in the water. In case foreign substances attach on the heaters. In case the atmosphere is flammable.



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Switch off and replace the heater.

If you replace the heater, switch off first. Otherwise it may cause electric shock.



•Use feed-water equipment.

In case of heating bath.

Switch off the heater and leave if feed water equipment is not available.



•Keep the terminal cap from water.

The terminal cap is drip-proofed. But do not use in the water, in the constantly wet condition, or in the corrosive liquid dropping condition. It may cause electric shock and leakage.



Do not touch a heater with bare hands after switching on.

It may cause burns.

Do not put the heater on flammable materials just after taking out, it may cause fire.



Do not touch the heater while heating.

It may cause burns. Temperature of heating parts is higher than that of the water.





Use the cables with correct diameter.

Use correct CT-cable fitted with diameter of the cable socket. Otherwise the cable socket may not be sealed.

HEATER	Cable Socket ID
3phase 200V 2kW, 3kW	φ12mm (20A)
3phase 200V 5kW	φ13mm (20B)



RECOMMENDATION

Heater maintenance

Switch off the heater and cool to room temperature for maintenance. Wipe with neutral detergent by plastic material. Do not scrub by metal products like wire brush.



• Maintenance for the terminal part

Switch off the heater for maintenance of the terminal part. Vacuum the dust and rub with a dry cloth.



AFTER-SALES SERVICE

If any queries arise,

If a question has arisen, please contact our sales agent from which you brought your equipment or HAKKO CO.

■HAKKO CO.,LTD. THERMAL DEVICE SALES DIVISION

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