



CIRCULATION PUMP



*The Manual for Operating
and Maintenance*



GPD *series*

Single-phase pipeline screened electric pump



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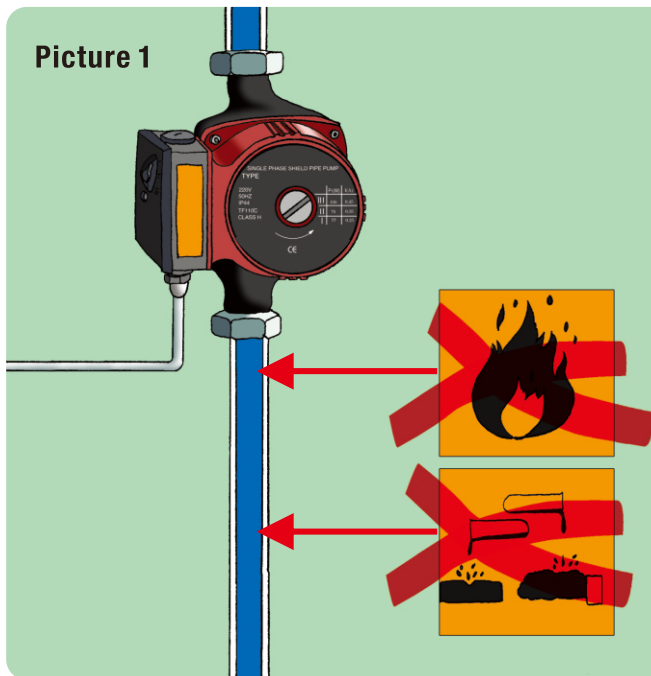


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1. Conditions of operation

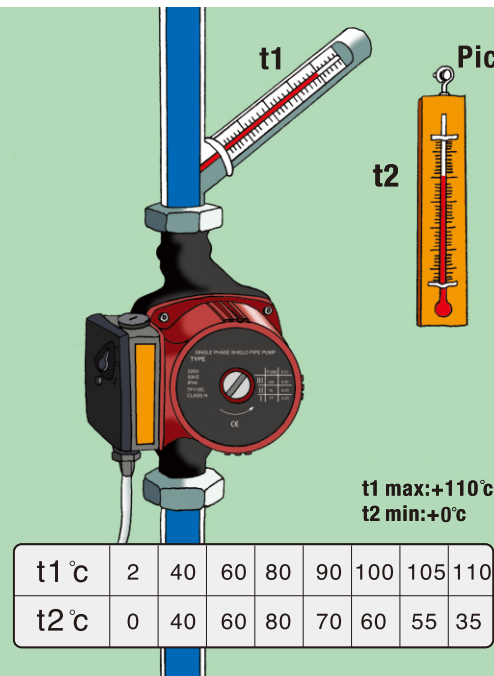
- Bearing of pump is lubricated with water, running without water can't exceed 10 seconds. Shown as Picture 1.
- The temperature of environment must be lower than that of media. Shown as Picture 2

Picture 1



4

Picture 2



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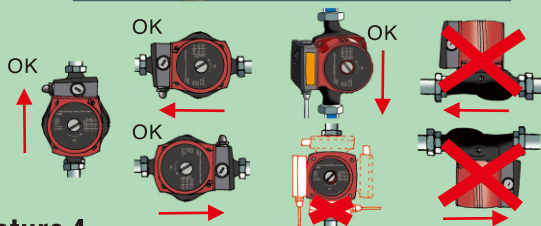
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2、Points for installation

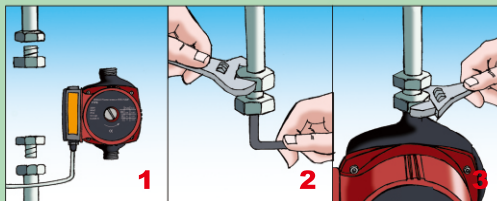
- Pump must be horizontally installed. Shown as Picture 3.
- Pump must be installed according to following procedures shown as Picture 4.

- Beware to use electricity, invite technician to install the pump according to electricity using regulations if necessary. Shown as Picture 5.
- Please read the warnings carefully before installation. Shown as Picture 6.

Picture 3

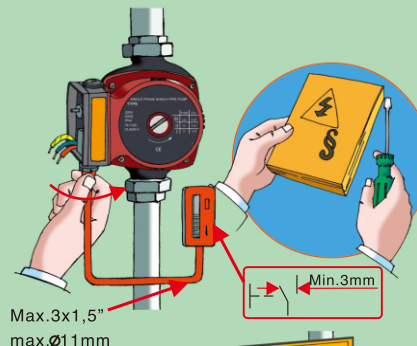


Picture 4

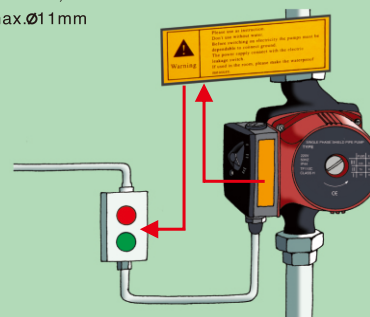


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Picture 5



Picture 6



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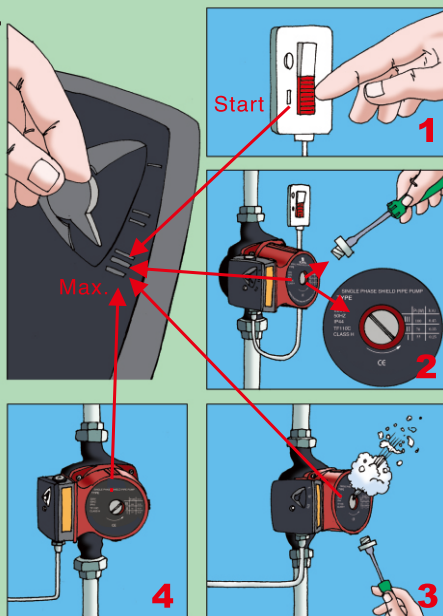
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- After installed, pump must be deflated before working for the first time. Shown as Picture 7.

3、Maintenance and repair

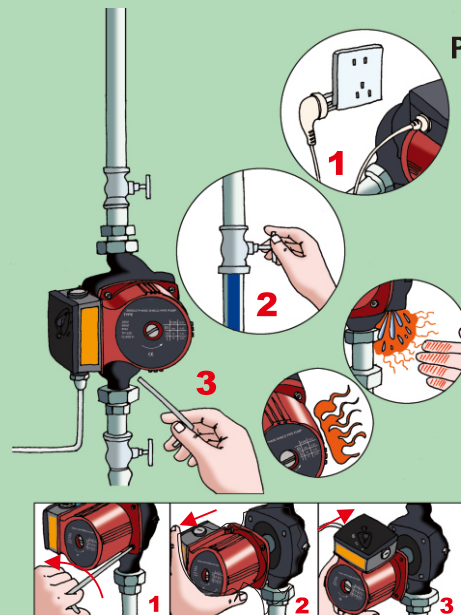
- Attention: If damaged, the power cord must be exchanged by factory or akin technician in order to avoid danger. The maintenance procedures are shown in Picture 8.

Picture 7



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Picture 8



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- Common troubles diagnostic list.

Common troubles	Causes of troubles	The measures of eliminating troubles
Pump can't be started up	Power supply is not well connected.	Check the fuse or the connection of electricity that possibly loose.
	Electric capacitor is damaged.	Exchange a new electric capacitor.
	Bearing blocked the pump's running.	Make it run in a high speed in short time or loosen the rator with a screwdriver at the end of shaft.
	There is impurity in pump.	Disconnect pump to clean.
There is noise in the system.	The pump flow is made too high.	Adapt to a lower speed.
	There is gas in the pump.	Release the gas up.
There is noise in the pump.	There is gas in the pump.	Release the gas up.
	The inlet hydraulic pressure is too low.	Increase hydraulic pressure of inlet or check gas volume in the enlarged slot.

Customer feedback

[illegible]

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GUARANTEE CARD

Single-phase Pipeline Shield Electric Pump

Type of the pump		Invoice No.	
The leaving No.		Purchase Date	
Dealer	This card is valid with dealer's stamp		
User Name			
Address			
Zip Code			

Welcome to use our products. We will provide you with high quality services.

User Guarantee Regulations

- If water pump fails, contact the original purchase shop or local dealer with purchase invoice and guarantee card to solve the problem;
- Guarantee period: 1 year;
- Production batch number MD type of water pump to be repaired must be consistent with records on guarantee card and invoice, otherwise, guaranteed repair will not be provided.

The following conditions are not within guaranteed free repair range

- Damages caused by normal wear and man-made or various natural hazards;
- Unauthorized retrofit, dismantlement and repair by user;
- Damages caused by incorrect installation or application.

Repair record

Date	Failure description	Damaged parts	Remarks	Repaired by

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ENCASEMENT BILL

Case No. _____ Packing Date _____

Name	Quantity	Name	Quantity
Shield Pump	1	Guarantee Card	1
Manual	1	Joint	2
Certificate of quality	1	Seal Ring	2

Checker _____ 004 Type of the Shield Pump _____

CERTIFICATE OF QUALITY

