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CIRCULATOR PUMP INSTRUCTIONS

We continue to be committed to provide you tools with competitive price.

"Save Half", "Half Price" or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and does not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when you are placing an order with us if you are actually saving half in comparison with the top major brands.

VEVOR®

TOUGH TOOLS, HALF PRICE

CIRCULATOR PUMP

Model:LPS25-4BP/180,LPS25-6BP/180,LPS25-8BP/180



(The picture is for reference only, please refer to the actual object)

NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:

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This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.



Warning-To reduce the risk of injury, user must read instructions manual carefully.



Correct Disposal

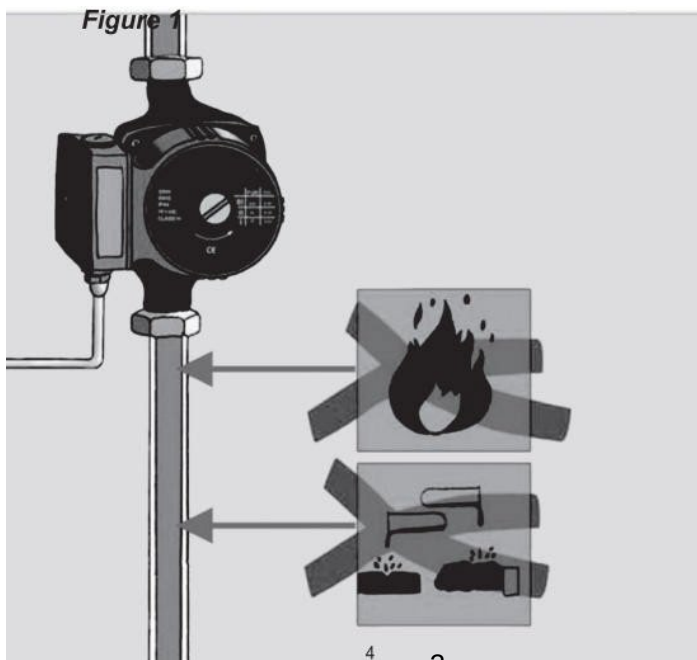
This product is subject to the provision of european Directive 2012/19/EU. The symbol showing a wheelie bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices.

ATTENTION

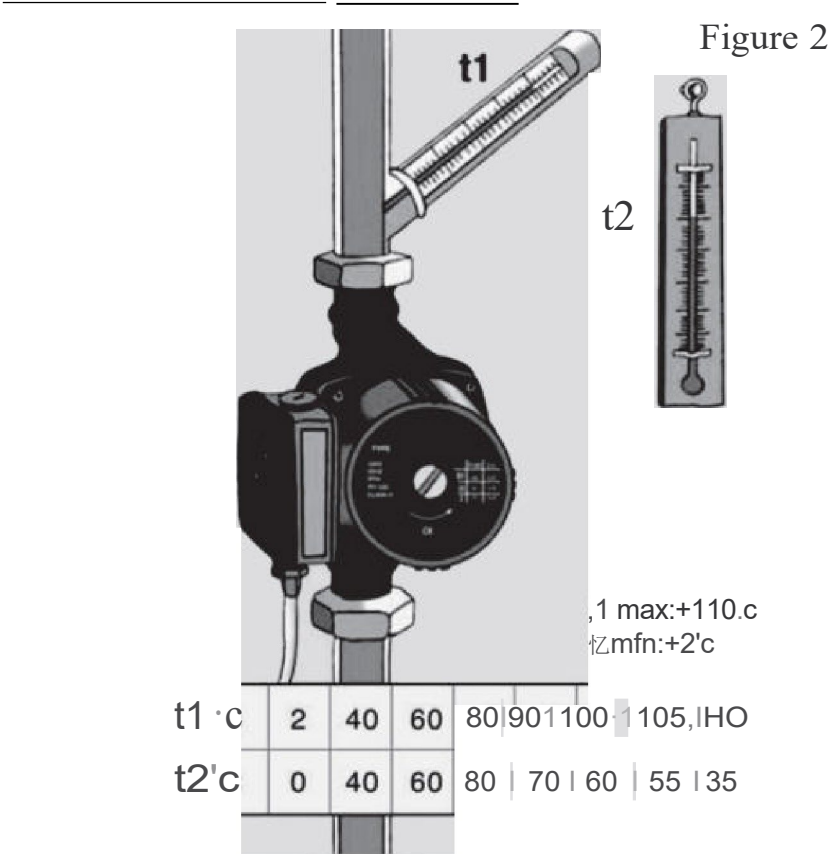
Circulation Pump

1. Using condition

- *This pump uses water or liquid to lubricate.
Therefore in the condition of no-water or no-liquid, operating shall not be exceed 10 seconds.
(Figure 1)*



———→ t1=pipe temperature
 t2=ambient temperature
 (Figure 2)



2. Installation

- Forbid to install upside down or motor downward, to avoid liquid leakage come into the interior of motor, causing short circuit and motor burnt (Figure 3)
- Putting into the cushion, screwing on the pipe fittings, fixing the water pump (Figure 4)

Figure 3

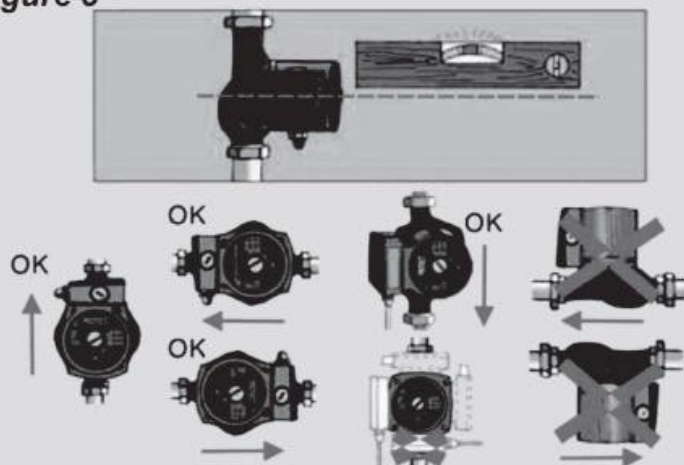
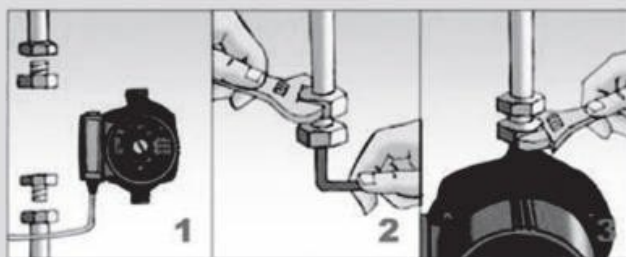
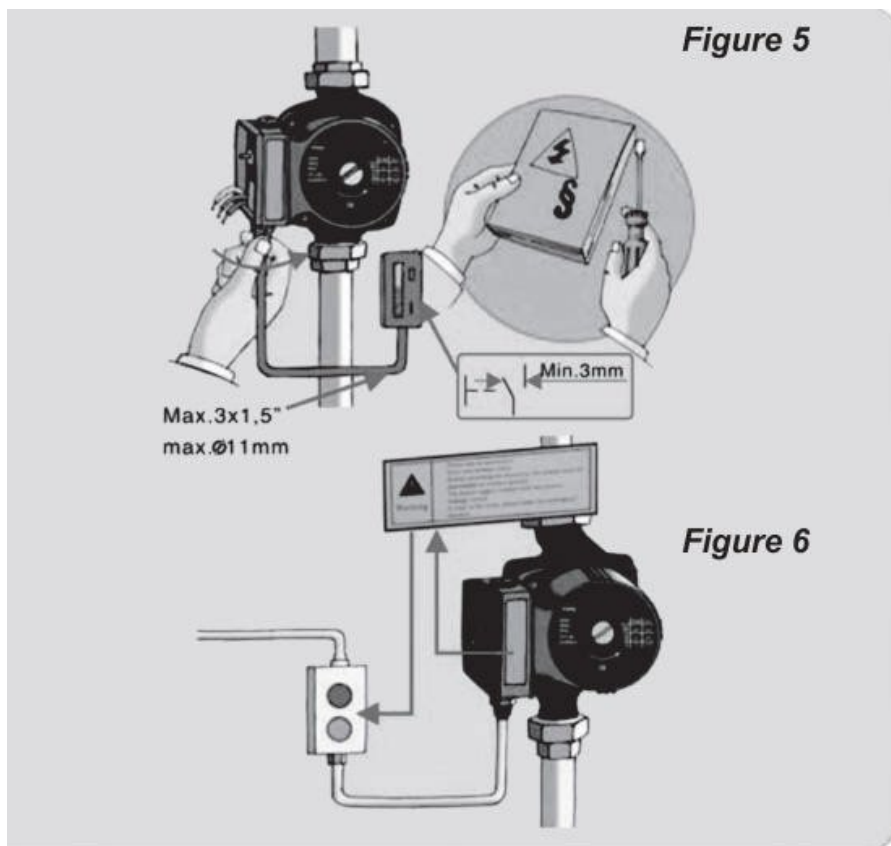


Figure 4

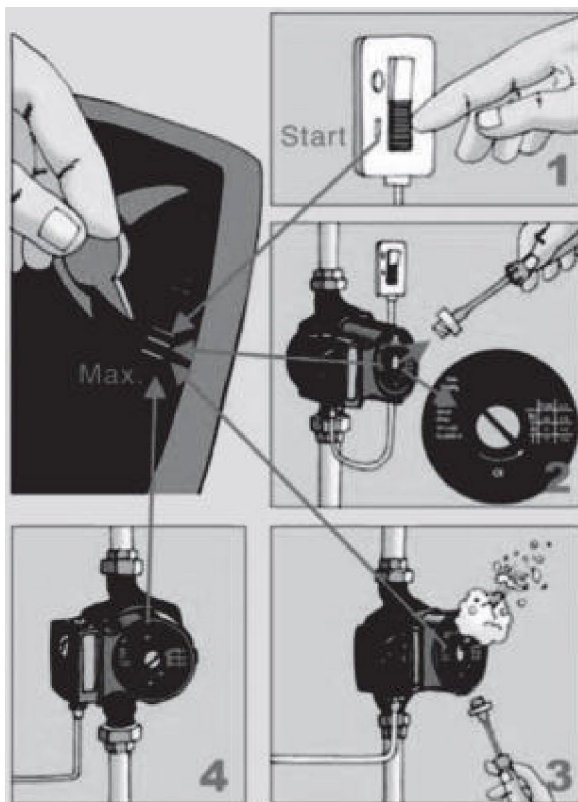


- Power outlet must be grounded, Should not modify on the machine grounding plug without authorization.(Figure 5)
- Reading the warnings carefully (Figure 6)



Starting the power, turn the switch into ||| speed, then loosen off the air screw for venting.
(Figure 7)

Figure 7



Fault	Cause	Remedy
Pump fails to start	Supply failure.	Check fuses and possible loose electrical connections
	Capacitor is defective	Replace the capacitor.
	Pump blocked due to furred bearings.	Change over to maximum speed for a short period or free the rotor with a screwdriver inserted in the slot of the shaft end
	Impurities in the pump.	Dismantle and clean the pump.
Noise in the system	Pump flow setting is too high	Change over to a lower speed.
	Air in the system.	Vent the system.
Noise in the pump.	Air in the pump	Vent the pump.
	Inlet pressure too low	Increase the inlet pressure or check the air volume in the expansion tank (if installed).



-At high water temperatures and system pressures, close isolating valves at both pump ports. First, allow pump to cool down.

Noise

-Cavitation due to insufficient inlet pressure remedial actions:

-Increase system pressure within permissible limits.

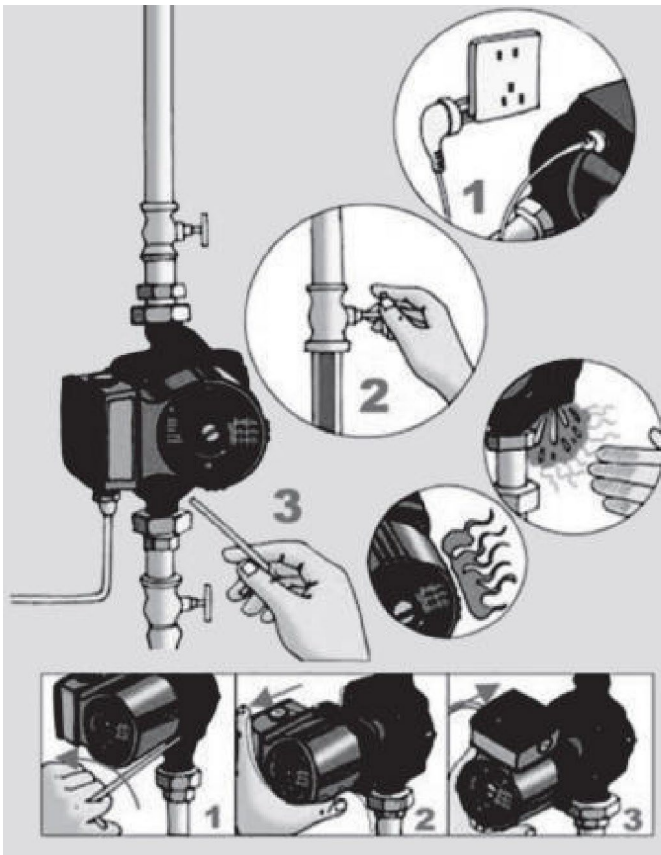
-Check speed setting, if need be, adjust to a lower speed setting

If the fault cannot be located or rectified, please contact your nearest representatives.

3. Disassemble and repair

Before repairing, must pull the plug first, cut off power, and close the inlet valve, remove the screw, then take out the damaged parts.(Figure 8)

Figure 8



6.THE CONTROL PANEL

CATALOGUE

6.1 Components on the control panel

6.2 Display

6.3 Show the trooper area of the pump setting

6.4 Light area in automatic night mode

6.5 The button to enable night mode

6.6The button to start the pump setting

6.1 Components on the control panel



Figure 7 THE CONTROL PANEL

The variable frequency pump control panel includes

NO.	Instructions
1	A display that displays the actual power consumed by a pump in watts
2	8 light areas for the pump setting
3	Light area in night mode
4	The button to enable night mode
5	The button for pump Settings

6.2 Display

When the power is turned on, the display at position 1 will work.

WARNING



During operation, the display value to Watt as a unit, showing the actual power consumption of the pump.

A fault that prevents the pump from working properly (for example, a blockage) is indicated on the display as "--".

If there is a failure, you must disconnect the power supply, in order to troubleshoot, after the failure, re-connect the power supply and start the pump.

6.3 show the light area set by the pump

Vevor intelligent has eight kinds of settings and can be selected by button. please refer to figure 7, the position 5.

Pump settings are represented by eight different lighting areas, as shown in figure 8.

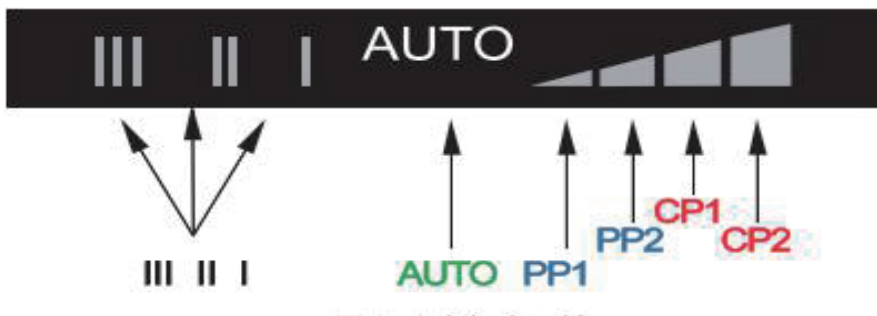


Figure 8 eight lighting areas

Button count	lighting area	instruction
0	AUTO(the factor set up)	Automatic Adaptation
1	PP1	Minimum proportional pressure curve
2	PP2	Maximum proportional pressure curve
3	CP1	Minimum constant pressure curve
4	CP2	Maximum constant pressure curve
5	III	Constant velocity curve, speed
6	II	Constant velocity curve, speed
7	I	Constant velocity curve, speed
8	AUTO	Automatic Adaptation

For a detailed description of the setting function, see Chapter 11, 《pump setting and pump performance》

6.4 Represents a lighting area in automatic night mode

Denoted by ☀️, See figure 7, Position 3. The light indicates that automatic night mode is enabled. See Section 6.5 for 《the button to activate automatic night mode》。

6.5 Button to start automatic night mode

This button, shown in figure 7, at position 4, Turn on /off automatic night mode.

The automatic night mode feature is only available for heating systems with this feature, see Chapter 8, 《automatic night mode》。

The automatic night mode function starts when the lighting area ☀️ light up..

Factory settings: automatic night mode function **is not set**.

If the intelligent pump has been set speed 1 mode, speed II or speed III mode , auto night mode cannot be selected.

6.6 Select the pump setting button

Each press of the button once, as shown in figure 7, Position 5, the pump setting changes a mode.

For a cycle of eight presses, see section 6.3, 《indicating the light area of the pump setting》

7 pump setting

Catalogue

7.1 Set up the water pump according to the system type



7.2 pump control

7.1 Set up the water pump according to the system type

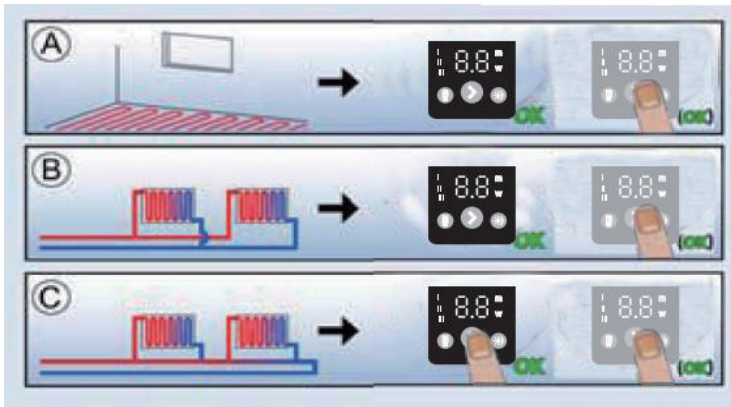


Figure 9 selection of pump settings by system type

Factory setting auto=adapting mode

Several optional pump settings are recommended, as shown in figure 9 :

Position	system type	pump setting	
		Optimal Setting	Or other optional settings
A	Floor Heating System	AUTO	Maximum constant pressure curve (CP2mode) Or Minimum constant pressure curve(CP1 mode)
B	Double-pipe heating system	AUTO	Maximum proportional pressure curve (PP2mode)
C	Single pipe heating system		(PP1mode) (PP2mode)

* See Section 14.1, 《guide to performance curves》

AUTO (Adaptive mode) Heating System installed under the floor and double pipe system

AUTO (Adaptive mode) According to the actual heat demand of the system, automatically adjust the pump performance. As the performance is gradually adjusted, it is recommended that the pump be placed in "AUTO" mode for at least one week before changing its setting.If you choose to change back to "auto" mode, the intelligent pump can remember the vaguely auto-adaptive mode setting point, continue to automatically adjust the performance.

Pump setting changed from optimal to other optional settings

Heating Systems are "slow" systems that can not operate optimally in minutes or hours. If the optimal setting of the pump fails to achieve the desired heat distribution in each room, the pump setting should be changed to other settings.

For the relationship between pump settings and performance curves, see Chapter 11 《pump settings and pump performance》。

7.2 Pump control

During the operation of the pump, the pump is controlled according to the principle of "proportional pressure control" (PP) or "constant pressure control" (CP)。

Under these two control modes, the pump performance and corresponding power consumption are adjusted according to the heat demand of the system.

Proportional pressure control

Under these two control modes, the pressure difference between the two ends of the pump is controlled by the flow rate. The proportional pressure curve is shown in the Q/H diagram in PP1 and PP2, see Chapter 11 《pump settings and pump performance》

Constant pressure control

In this control mode, the pressure difference between the two ends of the pump remains constant regardless of the flow rate.

Constant pressure curves CP1 and CP2 indicate a horizontal performance curve in the Q / h diagram.see Chapter 11 《pump settings and pump performance》

8Automatic night mode

8.1 Basic principles of automatic night mode

8.2Automatic night mode function

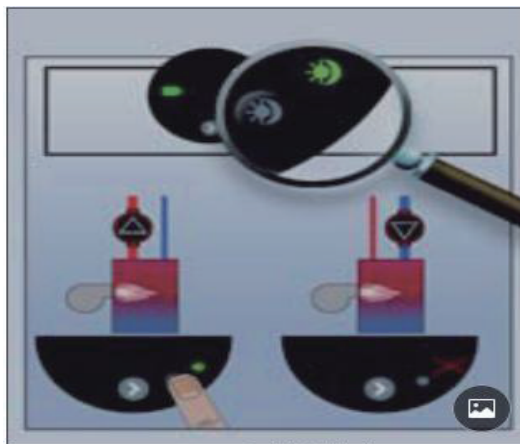


Figure 10 automatic night mode

FAILURE CHECKLIST

WARNING



Ensure that the power is disconnected and will not be accidentally switched on before any maintenance and repair work is carried out on the pump

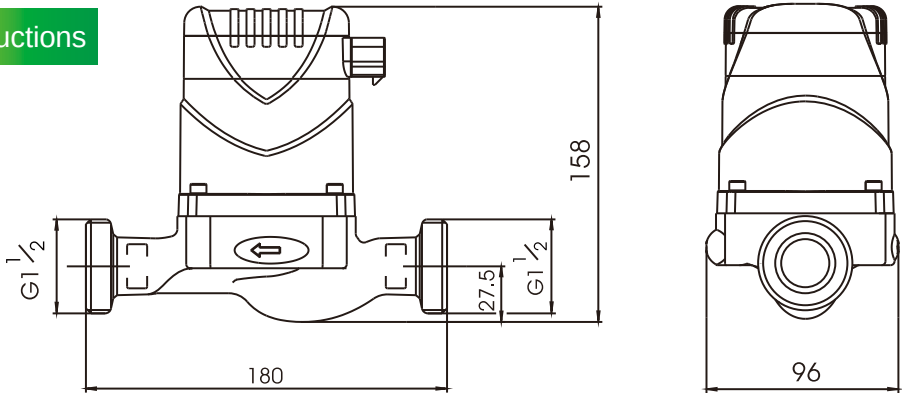
1.		b)C) pump failure 5)The voltage may beB) too low b)water pump jam	A) Replace fuse C) Check whether the power supply is within the specified range D) Remove the impurity
Failure check list	Control over panel	cause	Elimination methods
1. Water pump cannot start	Light out	a)A fuse blew out in the equipment	Replace fuse
2. There is noise in the system	Display a value	b)The current controller or voltage-controlled circuit breaker is disconnected	Switch on
		c)water pump jam	Replace the water pump
		a)The voltage may be too low	E) Check whether the power supply is within the specified range
		b)Pump blocked	Remove the impurity
		a)There's a gas in the system	Exhaust the system
			See section 10.3, exhaust for heating system
			Reduce inlet pressure of pump
		b)Excess flow	Chapter 11 "pump setting and pump performance"

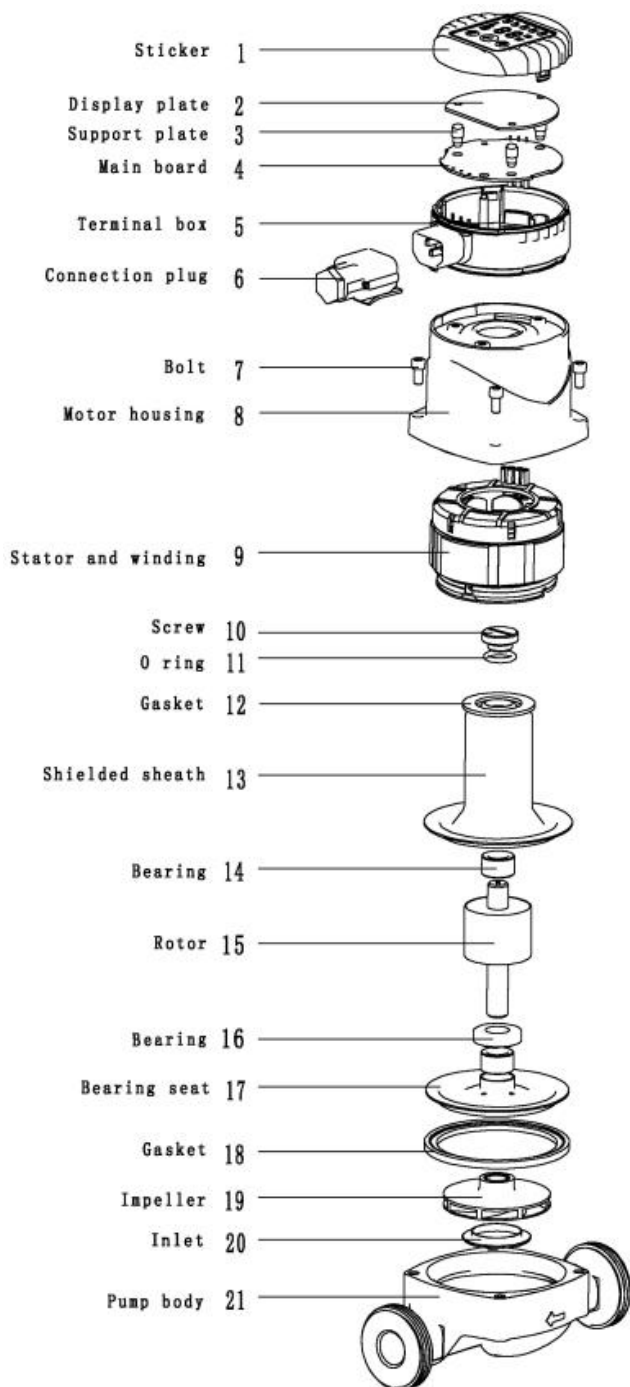
3) There is noise in the pump	Display a value	Low pump performance	A)There's a gas in the pump B)Low inlet pressure A)after running for a period of time,the pump will automatically exhaust see section 10.2 B)Increase inlet pressure.If expansion tank is installed,check the air volume.
4)shortage of heat	Display a value	Low pump performance	A) Increase inlet pressure of pump B) See chapter 11

SPECIFICATION PARAMETERS

Model	Input	Max Flow [l/min]	Max Head [m]	Outlet Size
LPS25-4BP/180	AC220-240V 50HZ	50	4	1-1/2"
LPS25-6BP/180	AC220-240V 50HZ	60	6	1-1/2"
LPS25-8BP/180	AC220-240V 50HZ	67	8	1-1/2"

Instructions





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électronique www.vevor.com/support

POMPE DE CIRCULATION

INSTRUCTIONS

Nous continuons à nous engager à vous fournir des outils à des prix compétitifs.

« Économisez la moitié », « Moitié prix » ou toute autre expression similaire utilisée par nous ne représente qu'une estimation des économies que vous pourriez réaliser en achetant certains outils chez nous par rapport aux grandes marques et ne couvre pas nécessairement toutes les catégories d'outils que nous proposons. Nous vous rappelons de bien vouloir vérifier soigneusement lorsque vous passez une commande chez nous si vous économisez réellement la moitié par rapport aux grandes marques.

VEVOR®
TOUGH TOOLS, HALF PRICE

POMPE DE CIRCULATION

Modèle : LPS25-4BP/180, LPS25-6BP/180, LPS25-8BP/180



(L'image est à titre de référence uniquement, veuillez vous référer à l'objet réel)

BESOIN D'AIDE? CONTACTEZ-NOUS!

Vous avez des questions sur les produits ? Besoin d'assistance technique ? N'hésitez pas à nous contacter.

Contactez-nous:

Assistance technique et garantie électronique Certificat
www.vevor.com/support

Il s'agit de la notice d'utilisation d'origine. Veuillez lire attentivement toutes les instructions du manuel avant de l'utiliser. VEVOR se réserve le droit d'interpréter clairement notre manuel d'utilisation. L'apparence du produit dépend du produit que vous avez reçu. Veuillez nous excuser, nous ne vous informerons plus en cas de mise à jour technologique ou logicielle de notre produit.



Avertissement - Pour réduire le risque de blessure, l'utilisateur doit lire attentivement le manuel d'instructions.



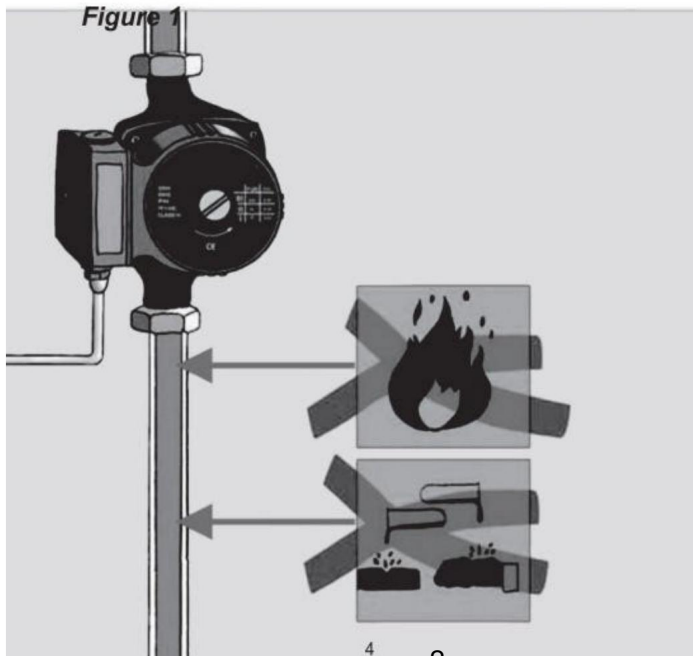
Ce produit est soumis aux dispositions de la directive européenne 2012/19/UE. Le symbole représentant une poubelle à roulettes barrée indique que le produit doit faire l'objet d'une collecte sélective des déchets dans l'Union européenne. Cela s'applique au produit et à tous les accessoires marqués de ce symbole. Les produits marqués comme tels ne peuvent pas être jetés avec les déchets ménagers normaux, mais doivent être apportés à un point de collecte pour le recyclage des appareils électriques et électroniques.

ATTENTION

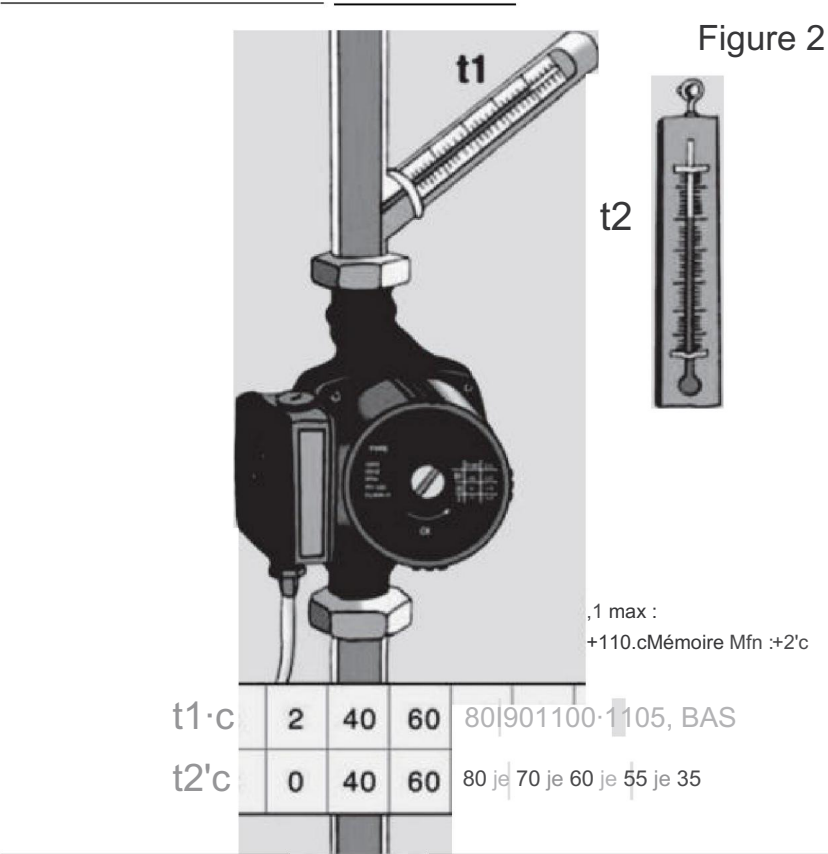
Circulation Pump

1. Using condition

- *This pump uses water or liquid to lubricate. Therefore in the condition of no-water or no-liquid, operating shall not be exceed 10 seconds. (Figure 1)*



t1=température du tuyau
t2=température ambiante
(Figure 2)



2.Installation

- Il est interdit d'installer le moteur à l'envers ou vers le bas, afin d'éviter que du liquide ne pénètre à l'intérieur du moteur, provoquant un court-circuit et la combustion du moteur (Figure 3)
- Mise en place du coussin, vissage des raccords de tuyauterie, fixation de la pompe à eau (Figure 4)

Figure 3

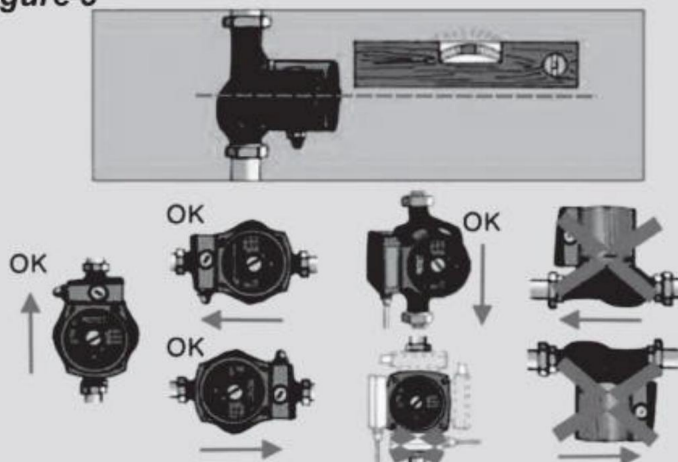
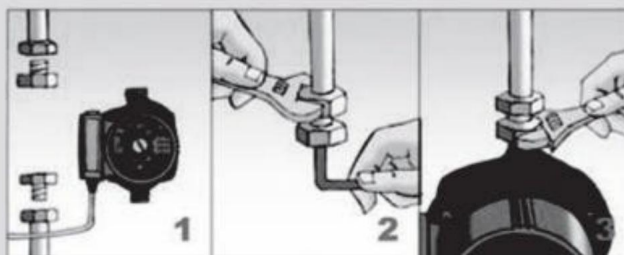
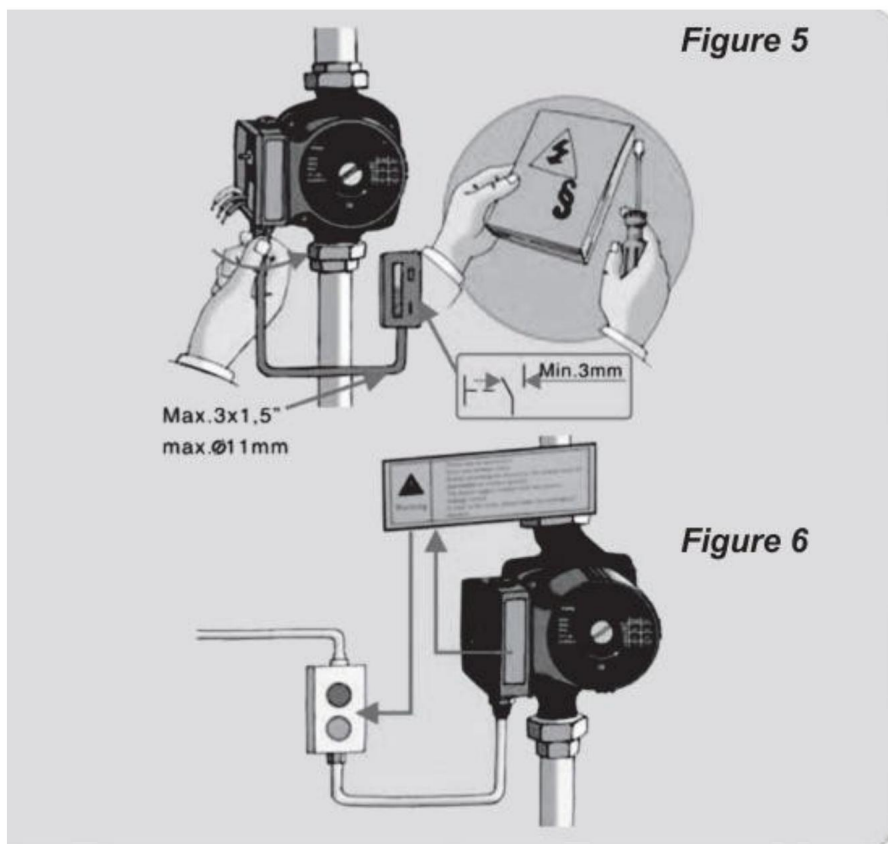


Figure 4



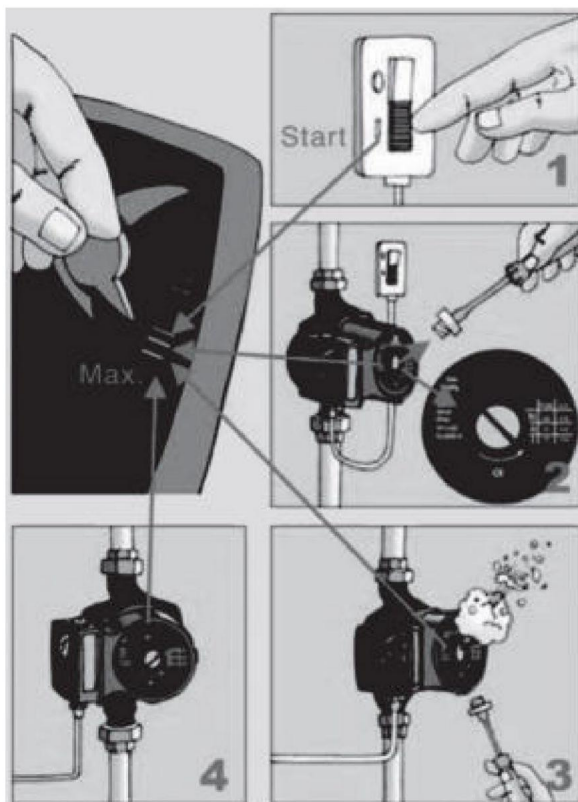
- La prise de courant doit être mise à la terre. Ne modifiez pas la prise de terre de la machine sans autorisation. (Figure 5)
- Lire attentivement les avertissements (Figure 6)



Après avoir démarré l'appareil, placez l'interrupteur sur la vitesse désirée, puis desserrez la vis d'air pour la ventilation.

(Figure 7)

Figure 7



Fault	Cause	Remedy
Pump fails to start	Supply failure.	Check fuses and possible loose electrical connections
	Capacitor is defective	Replace the capacitor.
	Pump blocked due to furred bearings.	Change over to maximum speed for a short period or free the rotor with a screwdriver inserted in the slot of the shaft end
	Impurities in the pump.	Dismantle and clean the pump.
Noise in the system	Pump flow setting is too high	Change over to a lower speed.
	Air in the system.	Vent the system.
Noise in the pump.	Air in the pump	Vent the pump.
	Inlet pressure too low	Increase the inlet pressure or check the air volume in the expansion tank (if installed).

À coeur ouvert températures d'eau et pressions du système élevées, fermez les vannes d'isolement à les deux ports de la pompe. Laissez d'abord refroidir la pompe.

Bruit

- Cavitation due à une pression d'entrée insuffisante : mesures correctives :

-Augmenter la pression du système dans les limites autorisées.

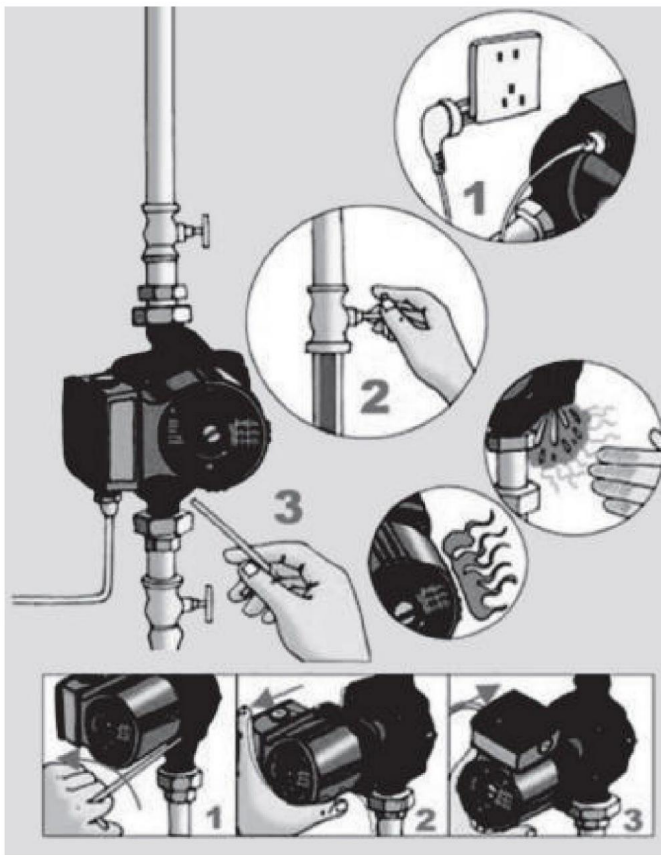
-Vérifiez le réglage de la vitesse, si nécessaire, ajustez-le à une vitesse inférieure

Si le défaut ne peut pas être localisé ou corrigé, veuillez contacter vos représentants les plus proches.

3. Démonter et réparer

Avant de procéder à la réparation, vous devez d'abord débrancher la prise, couper l'alimentation électrique, fermer la soupape d'admission, retirer la vis, puis retirer les pièces endommagées. (Figure 8)

Figure 8



6.THE CONTROL PANEL

CATALOGUE

6.1 Components on the control panel

6.2 Display

6.3 Show the trooper area of the pump setting

6.4 Light area in automatic night mode

6.5 The button to enable night mode

6.6The button to start the pump setting

6.1 Components on the control panel



Figure 7 THE CONTROL PANEL

The variable frequency pump control panel includes

NO.	Instructions
1	A display that displays the actual power consumed by a pump in watts
2	8 light areas for the pump setting
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6.2 Display

When the power is turned on, the display at position 1 will work.

WARNING



During operation, the display value to Watt as a unit, showing the actual power consumption of the pump.

A fault that prevents the pump from working properly (for example, a blockage) is indicated on the display as "--".

If there is a failure, you must disconnect the power supply, in order to troubleshoot, after the failure, re-connect the power supply and start the pump.

6.3 show the light area set by the pump

Vevor intelligent has eight kinds of settings and can be selected by button. please refer to figure 7, the position 5.

Pump settings are represented by eight different lighting areas, as shown in figure 8.

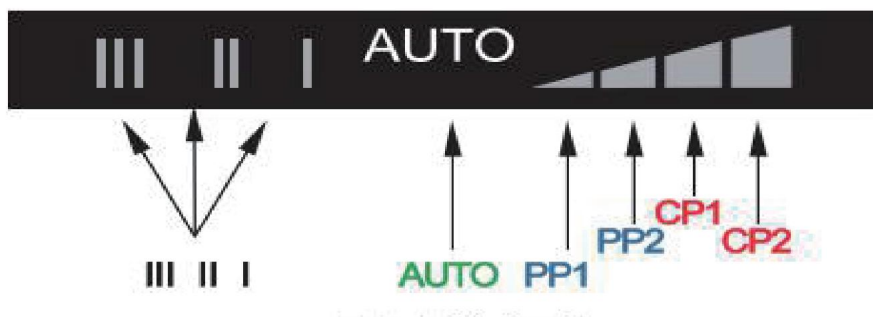


Figure 8 eight lighting areas

Button count	lighting area	instruction
0	AUTO(the factor set up)	Automatic Adaptation
1	PP1	Minimum proportional pressure curve
2	PP2	Maximum proportional pressure curve
3	CP1	Minimum constant pressure curve
4	CP2	Maximum constant pressure curve
5	III	Constant velocity curve, speed
6	II	Constant velocity curve, speed
7	I	Constant velocity curve, speed
8	AUTO	Automatic Adaptation

For a detailed description of the setting function, see Chapter 11, 《pump setting and pump performance》

6.4 Represents a lighting area in automatic night mode

Denoted by ☀ , See figure 7, Position 3. The light indicates that automatic night mode is enabled. See Section 6.5 for 《the button to activate automatic night mode》。

6.5 Button to start automatic night mode

This button, shown in figure 7, at position 4, Turn on /off automatic night mode.

The automatic night mode feature is only available for heating systems with this feature, see Chapter 8, 《automatic night mode》。

The automatic night mode function starts when the lighting area ☀ light up,.

Factory settings: automatic night mode function **is not set**.

If the intelligent pump has been set speed 1 mode, speed II or speed III mode, auto night mode cannot be selected.

6.6 Select the pump setting button

Each press of the button once, as shown in figure 7, Position 5, the pump setting changes a mode.

For a cycle of eight presses, see section 6.3, «indicating the light area of the pump setting»

7 pump setting

Catalogue

7.1 Set up the water pump according to the system type



7.2 pump control

7.1 Set up the water pump according to the system type

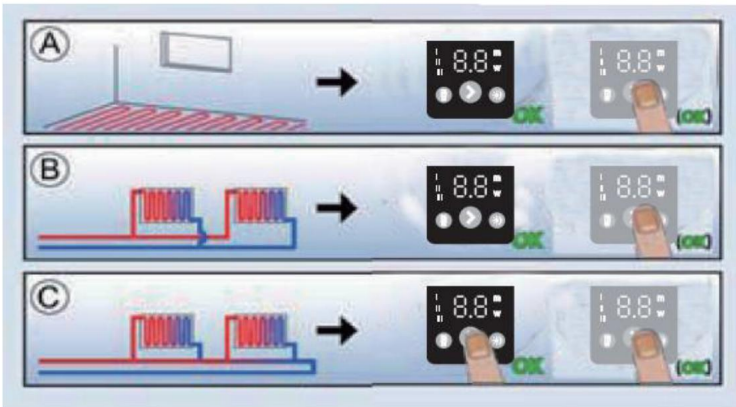


Figure 9 selection of pump settings by system type

Factory setting auto=adapting mode

Several optional pump settings are recommended, as shown in figure 9 :

Position	system type	pump setting	
		Optimal Setting	Or other optional settings
A	Floor Heating System	AUTO	Maximum constant pressure curve (CP2mode)
			Or Minimum constant pressure curve(CP1 mode)
B	Double-pipe heating system	AUTO	Maximum proportional pressure curve (PP2mode)
C	Single pipe heating system		
			(PP1mode) (PP2mode)

* See Section 14.1, 《guide to performance curves》

AUTO (Adaptive mode) Heating System installed under the floor and double pipe system

AUTO (Adaptive mode) According to the actual heat demand of the system, automatically adjust the pump performance. As the performance is gradually adjusted, it is recommended that the pump be placed in "AUTO" mode for at least one week before changing its setting.If you choose to change back to "auto" mode, the intelligent pump can remember the vaguely auto-adaptive mode setting point, continue to automatically adjust the performance.

Pump setting changed from optimal to other optional settings

Heating Systems are "slow" systems that can not operate optimally in minutes or hours. If the optimal setting of the pump fails to achieve the desired heat distribution in each room, the pump setting should be changed to other settings.

For the relationship between pump settings and performance curves, see Chapter 11 《pump settings and pump performance》。

7.2 Pump control

During the operation of the pump, the pump is controlled according to the principle of "proportional pressure control" (PP) or "constant pressure control" (CP)。

Under these two control modes, the pump performance and corresponding power consumption are adjusted according to the heat demand of the system.

Proportional pressure control

Under these two control modes, the pressure difference between the two ends of the pump is controlled by the flow rate. The proportional pressure curve is shown in the Q/H diagram in PP1 and PP2, see Chapter 11 «pump settings and pump performance»

Constant pressure control

In this control mode, the pressure difference between the two ends of the pump remains constant regardless of the flow rate.

Constant pressure curves CP1 and CP2 indicate a horizontal performance curve in the Q / h diagram.see Chapter 11 «pump settings and pump performance»

8Automatic night mode

8.1 Basic principles of automatic night mode

8.2Automatic night mode function

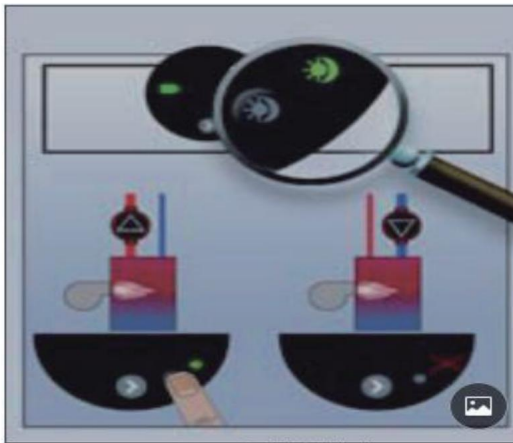


Figure 10 automatic night mode

FAILURE CHECKLIST

WARNING



Assurez-vous que l'alimentation est débranchée et qu'elle ne sera pas accidentellement rétablie avant d'effectuer tout travail d'entretien et de réparation sur la pompe.

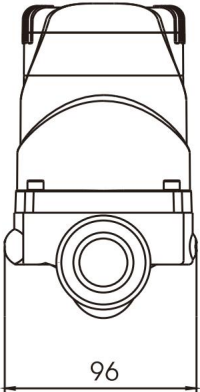
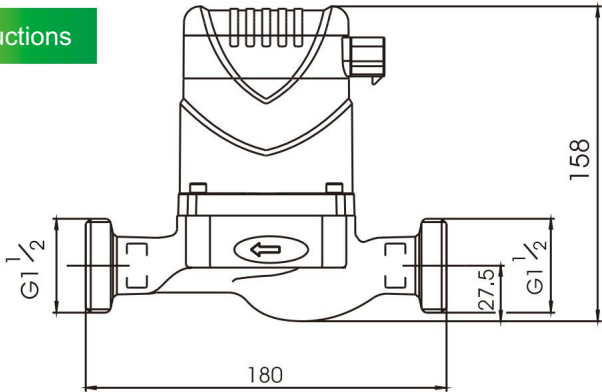
1.		b)C) pump failure 5)The voltage may be B) too low b)water pump jam	A) Replace fuse C) Check whether the power supply is within the specified range D) Remove the impurity
Failure check list	Control over panel	cause	Elimination methods
1. Water pump cannot start	Light out	a)A fuse blew out in the equipment	Replace fuse
		b)The current controller or voltage-controlled circuit breaker is disconnected	Switch on
		c)water pump jam	Replace the water pump
		a)The voltage may be too low	E) Check whether the power supply is within the specified range
		b)Pump blocked	Remove the impurity
2. There is noise in the system	Display a value	a)There's a gas in the system	Exhaust the system See section 10.3, exhaust for heating system
			Reduce inlet pressure of pump
		b)Excess flow	Chapter 11 "pump setting and pump performance"

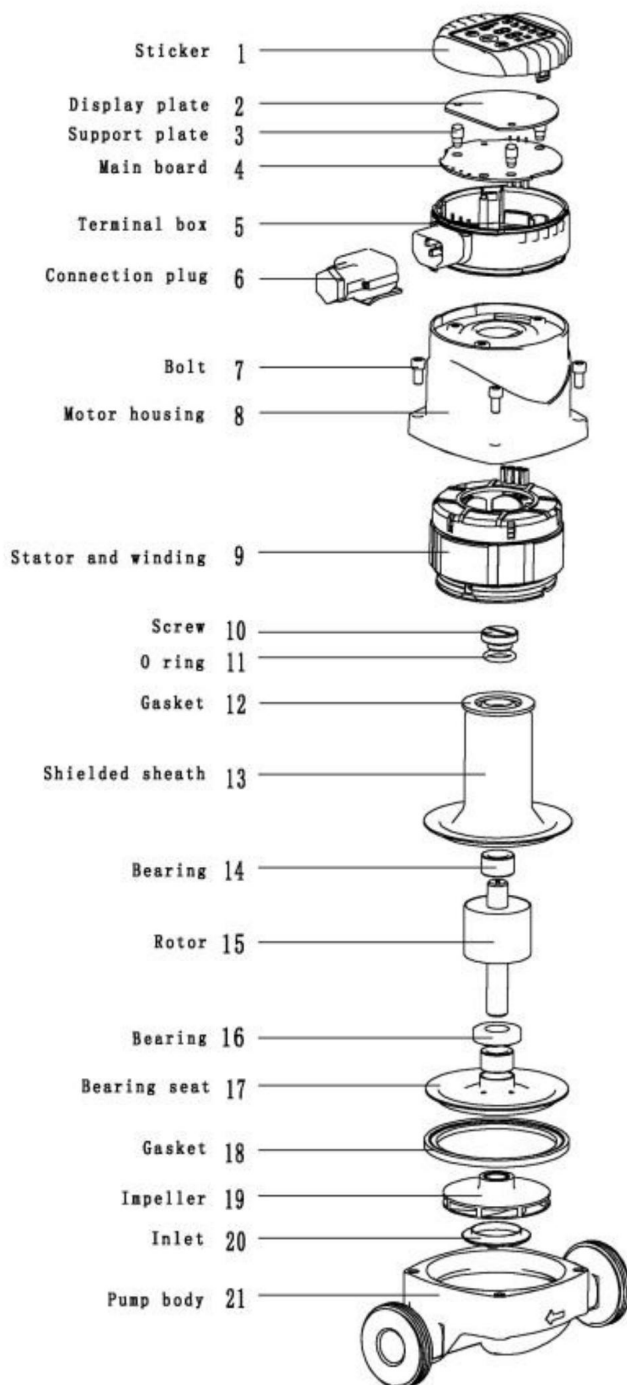
3) There is noise in the Display a value pump	A)There's a gas in the pump B)Low inlet pressure	A)after running for a period of time,the pump will automatically exhaust see section 10.2 B)Increase inlet pressure.If expansion tank is installed,check the air volume.
4)shortage of heat Display a value	Low pump performance	A) Increase inlet pressure of pump B) See chapter 11

PARAMÈTRES DE SPÉCIFICATION

Modèle	Saisir	Débit maximal [l/min]	Tête max [m]	Taille de sortie
LPS25-4BP/180	220-240 V CA 50 Hz	50	4	1-1/2"
LPS25-6BP/180	220-240 V CA 50 Hz	60	6	1-1/2"
LPS25-8BP/180	220-240 V CA 50 Hz	67	8	1-1/2"

Instructions





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Umwälzpumpe

Modell: LPS25-4BP/180, LPS25-6BP/180, LPS25-8BP/180



(Das Bild dient nur als Referenz, bitte beziehen Sie sich auf das tatsächliche Objekt)

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Warnung: Um das Verletzungsrisiko zu verringern, muss der Benutzer die Bedienungsanleitung sorgfältig lesen.



Richtige Entsorgung

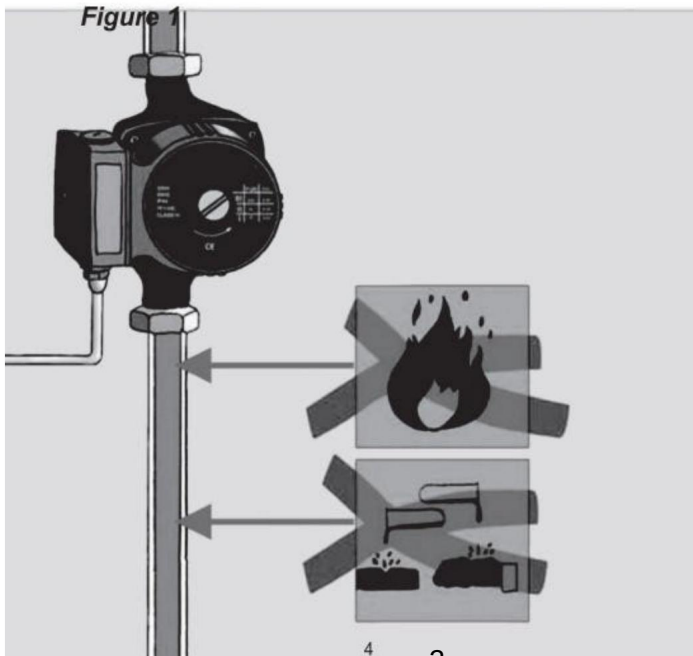
Dieses Produkt unterliegt den Bestimmungen der europäischen Richtlinie 2012/19/EU. Das Symbol einer durchgestrichenen Mülltonne weist darauf hin, dass dieses Produkt in der Europäischen Union einer getrennten Müllentsorgung unterliegt. Dies gilt für das Produkt und alle mit diesem Symbol gekennzeichneten Zubehörteile. So gekennzeichnete Produkte dürfen nicht mit dem normalen Hausmüll entsorgt werden, sondern müssen an einer Sammelstelle für das Recycling von elektrischen und elektronischen Geräten abgegeben werden.

AUFMERKSAMKEIT

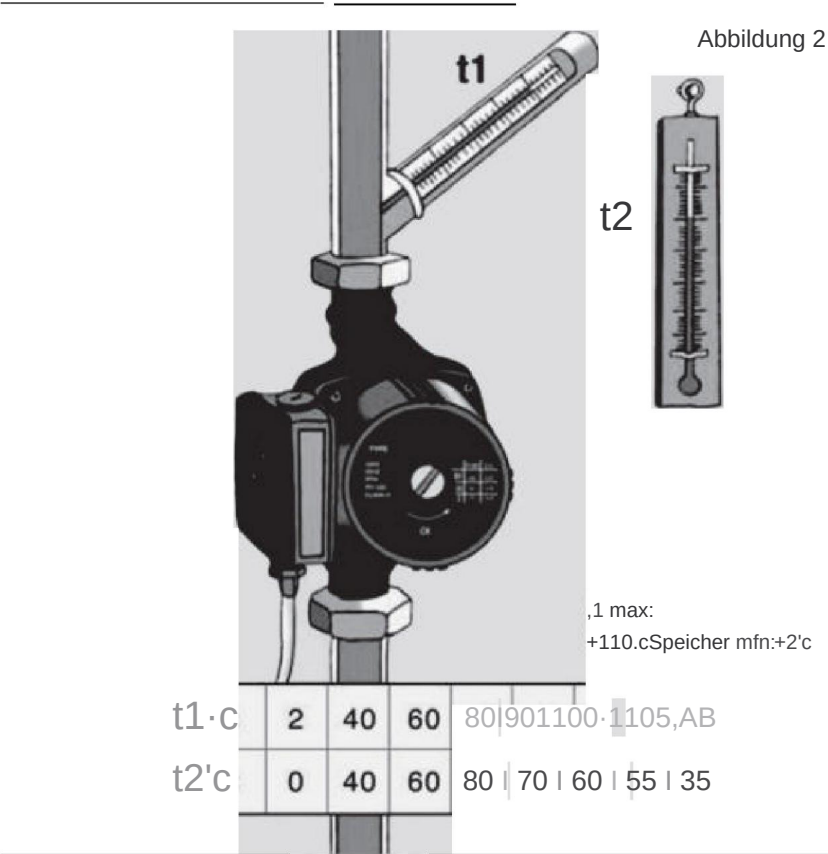
Circulation Pump

1. Using condition

- This pump uses water or liquid to lubricate. Therefore in the condition of no-water or no-liquid, operating shall not be exceed 10 seconds. (Figure 1)



t_1 =Rohrtemperatur
 t_2 = Umgebungstemperatur
(Abbildung 2)



2.Installation

- Nicht verkehrt herum oder mit dem Motor nach unten einbauen, da sonst Flüssigkeit ins Innere des Motors gelangen kann, was zu Kurzschlüssen und einem Durchbrennen des Motors führen kann (Abbildung 3).
- Einlegen in das Kissen, Anschrauben der Rohrverschraubungen, Fixieren der Wasserpumpe (Bild 4)

Figure 3

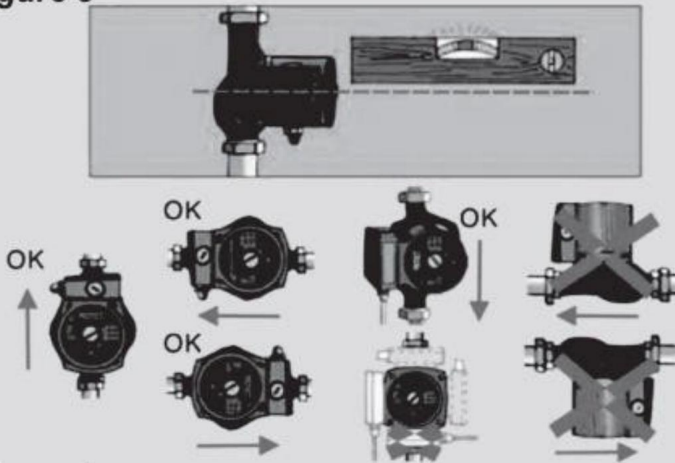
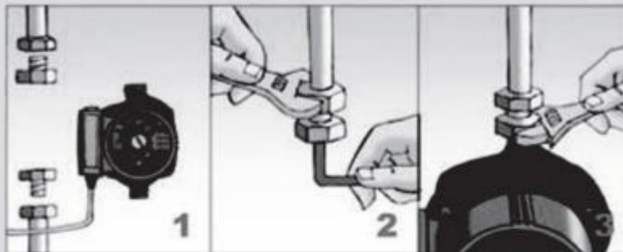
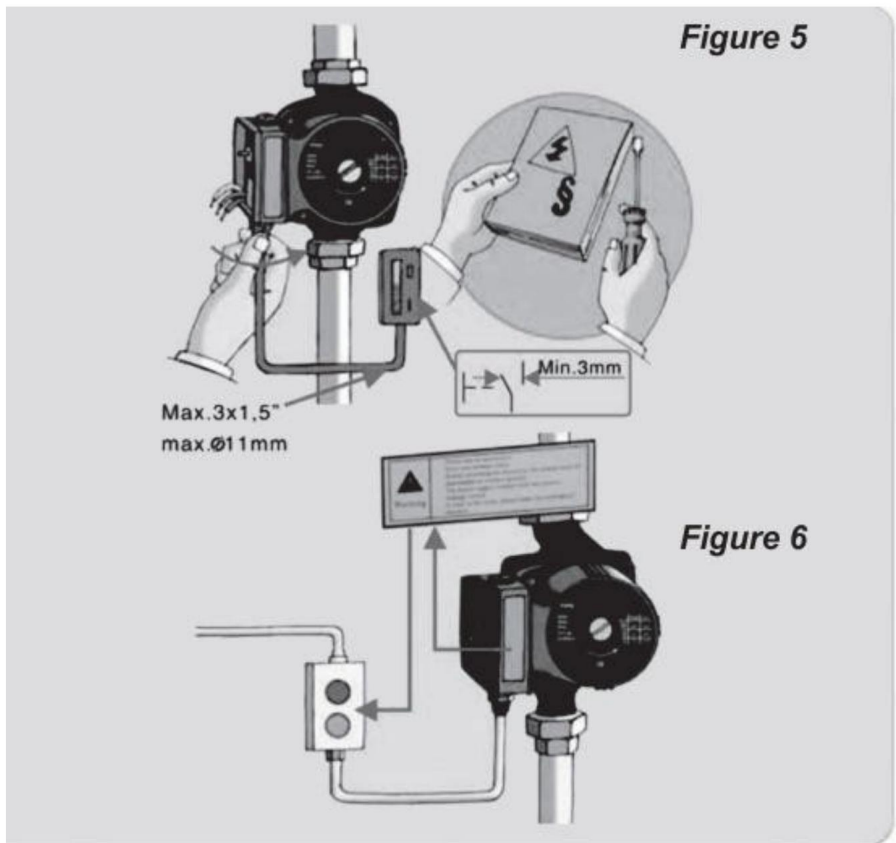


Figure 4



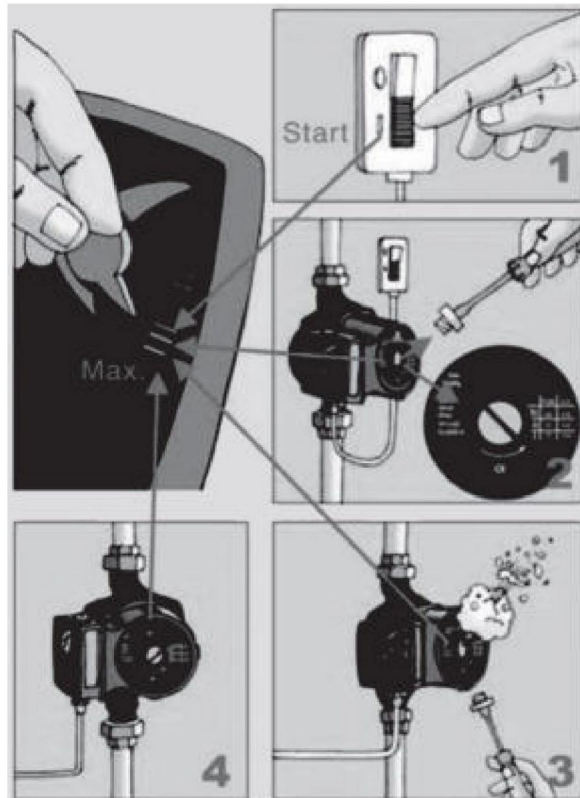
- Die Steckdose muss geerdet sein. Der Erdungsstecker der Maschine darf nicht eigenmächtig verändert werden. (Abbildung 5)
- Lesen Sie die Warnhinweise sorgfältig durch (Abbildung 6)



• Schalten Sie den Schalter nach dem Einschalten auf „Geschwindigkeit“ und lösen Sie dann die Luftschraube zum Entlüften.

(Abbildung 7)

Abbildung 7



Fault	Cause	Remedy
Pump fails to start	Supply failure.	Check fuses and possible loose electrical connections
	Capacitor is defective	Replace the capacitor.
	Pump blocked due to furred bearings.	Change over to maximum speed for a short period or free the rotor with a screwdriver inserted in the slot of the shaft end
	Impurities in the pump.	Dismantle and clean the pump.
Noise in the system	Pump flow setting is too high	Change over to a lower speed.
	Air in the system.	Vent the system.
Noise in the pump.	Air in the pump	Vent the pump.
	Inlet pressure too low	Increase the inlet pressure or check the air volume in the expansion tank (if installed).

Von Herzen Bei hohen Wassertemperaturen und Systemdrücken schließen Sie die Absperrventile beide Pumpenanschlüsse. Pumpe zunächst abkühlen lassen.

Lärm

-Kavitation aufgrund unzureichenden Eingangsdrucks – Abhilfemaßnahmen:

-Erhöhen Sie den Systemdruck innerhalb der zulässigen Grenzen.

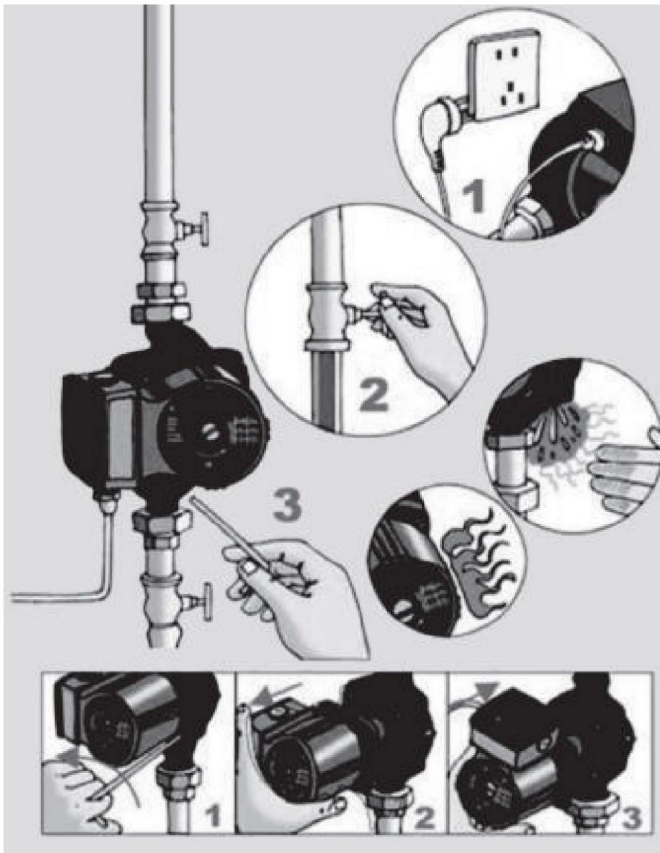
-Geschwindigkeitseinstellung prüfen, ggf. auf eine niedrigere Geschwindigkeitseinstellung umstellen

Kann der Fehler nicht lokalisiert oder behoben werden, wenden Sie sich bitte an Ihre nächstgelegene Vertretung.

3. Demontage und Reparatur

Vor der Reparatur müssen Sie zuerst den Stecker ziehen, die Stromzufuhr unterbrechen und das Einlassventil schließen, die Schraube entfernen und dann die beschädigten Teile herausnehmen. (Abbildung 8)

Abbildung 8



6.THE CONTROL PANEL

CATALOGUE

- 6.1 Components on the control panel
- 6.2 Display
- 6.3 Show the trooper area of the pump setting
- 6.4 Light area in automatic night mode
- 6.5 The button to enable night mode
- 6.6The button to start the pump setting

6.1 Components on the control panel



Figure 7 THE CONTROL PANEL

The variable frequency pump control panel includes

NO.	Instructions
1	A display that displays the actual power consumed by a pump in watts
2	8 light areas for the pump setting
3	Light area in night mode
4	The button to enable night mode
5	The button for pump Settings

6.2 Display

When the power is turned on, the display at position 1 will work.

WARNING



During operation, the display value to Watt as a unit, showing the actual power consumption of the pump.

A fault that prevents the pump from working properly (for example, a blockage) is indicated on the display as "--".

If there is a failure, you must disconnect the power supply, in order to troubleshoot, after the failure, re-connect the power supply and start the pump.

6.3 show the light area set by the pump

Vevor intelligent has eight kinds of settings and can be selected by button. please refer to figure 7, the position 5.

Pump settings are represented by eight different lighting areas, as shown in figure 8.

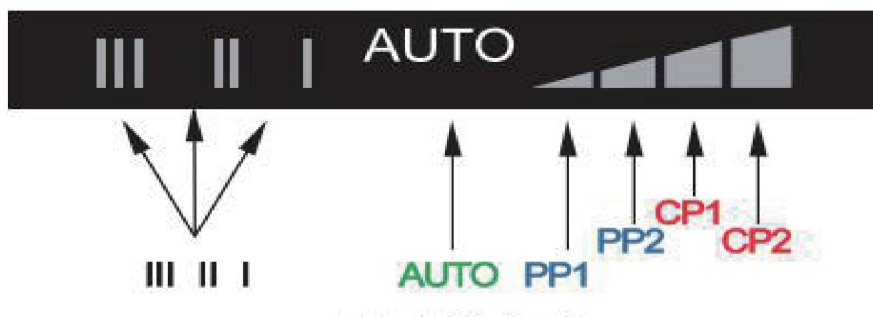


Figure 8 eight lighting areas

Button count	lighting area	instruction
0	AUTO(the factor set up)	Automatic Adaptation
1	PP1	Minimum proportional pressure curve
2	PP2	Maximum proportional pressure curve
3	CP1	Minimum constant pressure curve
4	CP2	Maximum constant pressure curve
5	III	Constant velocity curve, speed
6	II	Constant velocity curve, speed
7	I	Constant velocity curve, speed
8	AUTO	Automatic Adaptation

For a detailed description of the setting function, see Chapter 11, 《pump setting and pump performance》

6.4 Represents a lighting area in automatic night mode

Denoted by ☀ , See figure 7, Position 3. The light indicates that automatic night mode is enabled. See Section 6.5 for 《the button to activate automatic night mode》。

6.5 Button to start automatic night mode

This button, shown in figure 7, at position 4, Turn on /off automatic night mode.

The automatic night mode feature is only available for heating systems with this feature, see Chapter 8, 《automatic night mode》。

The automatic night mode function starts when the lighting area ☀ light up,.

Factory settings: automatic night mode function **is not set**.

If the intelligent pump has been set speed 1 mode, speed II or speed III mode, auto night mode cannot be selected.

6.6 Select the pump setting button

Each press of the button once, as shown in figure 7, Position 5, the pump setting changes a mode.

For a cycle of eight presses, see section 6.3, «indicating the light area of the pump setting»

7 pump setting

Catalogue

7.1 Set up the water pump according to the system type



7.2 pump control

7.1 Set up the water pump according to the system type

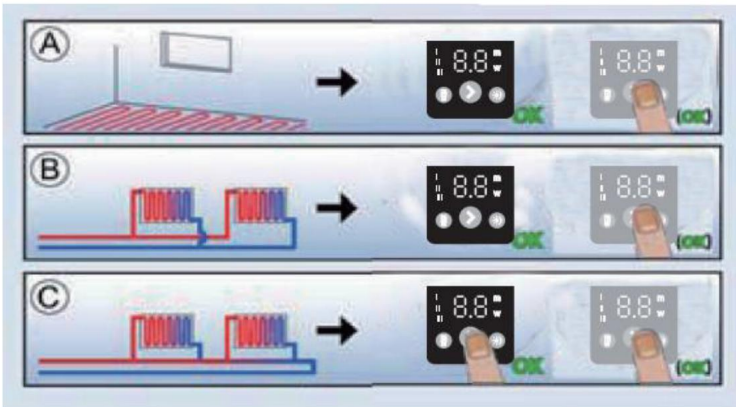


Figure 9 selection of pump settings by system type

Factory setting auto=adapting mode

Several optional pump settings are recommended, as shown in figure 9 :

Position	system type	pump setting	
		Optimal Setting	Or other optional settings
A	Floor Heating System	AUTO	Maximum constant pressure curve (CP2mode)
			Or Minimum constant pressure curve(CP1 mode)
B	Double-pipe heating system	AUTO	Maximum proportional pressure curve (PP2mode)
C	Single pipe heating system		
			(PP1mode) (PP2mode)

* See Section 14.1, 《guide to performance curves》

AUTO (Adaptive mode) Heating System installed under the floor and double pipe system

AUTO (Adaptive mode) According to the actual heat demand of the system, automatically adjust the pump performance. As the performance is gradually adjusted, it is recommended that the pump be placed in "AUTO" mode for at least one week before changing its setting. If you choose to change back to "auto" mode, the intelligent pump can remember the vaguely auto-adaptive mode setting point, continue to automatically adjust the performance.

Pump setting changed from optimal to other optional settings

Heating Systems are "slow" systems that can not operate optimally in minutes or hours. If the optimal setting of the pump fails to achieve the desired heat distribution in each room, the pump setting should be changed to other settings.

For the relationship between pump settings and performance curves, see Chapter 11 《pump settings and pump performance》。

7.2 Pump control

During the operation of the pump, the pump is controlled according to the principle of "proportional pressure control" (PP) or "constant pressure control" (CP)。

Under these two control modes, the pump performance and corresponding power consumption are adjusted according to the heat demand of the system.

Proportional pressure control

Under these two control modes, the pressure difference between the two ends of the pump is controlled by the flow rate. The proportional pressure curve is shown in the Q/H diagram in PP1 and PP2, see Chapter 11 «pump settings and pump performance»

Constant pressure control

In this control mode, the pressure difference between the two ends of the pump remains constant regardless of the flow rate.

Constant pressure curves CP1 and CP2 indicate a horizontal performance curve in the Q / h diagram.see Chapter 11 «pump settings and pump performance»

8Automatic night mode

8.1 Basic principles of automatic night mode

8.2Automatic night mode function

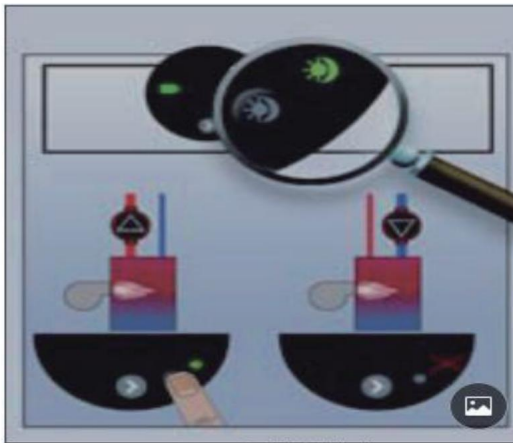


Figure 10 automatic night mode

FAILURE CHECKLIST

WARNING



Stellen Sie sicher, dass die Stromversorgung unterbrochen ist und nicht versehentlich eingeschaltet wird, bevor Wartungs- und Reparaturarbeiten an der Pumpe durchgeführt werden.

1.		b)C) pump failure 5)The voltage may be too low b)water pump jam	A) Replace fuse B) C) Check whether the power supply is within the specified range D) Remove the impurity
----	--	--	---

Failure check list	Control over panel	cause	Elimination methods
1.Water pump cannot start	Light out	a)A fuse blew out in the equipment	Replace fuse

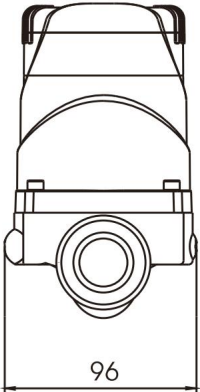
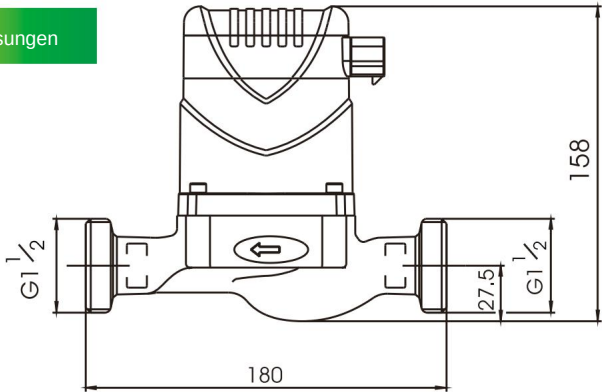
		b)The current controller or voltage-controlled circuit breaker is disconnected	Switch on
		c)water pump jam	Replace the water pump
		a)The voltage may be too low	E) Check whether the power supply is within the specified range
		b)Pump blocked	Remove the impurity
2.There is noise in the system	Display a value	a)There's a gas in the system	Exhaust the system See section 10.3, exhaust for heating system
			Reduce inlet pressure of pump
		b)Excess flow	Chapter 11 "pump setting and pump performance"

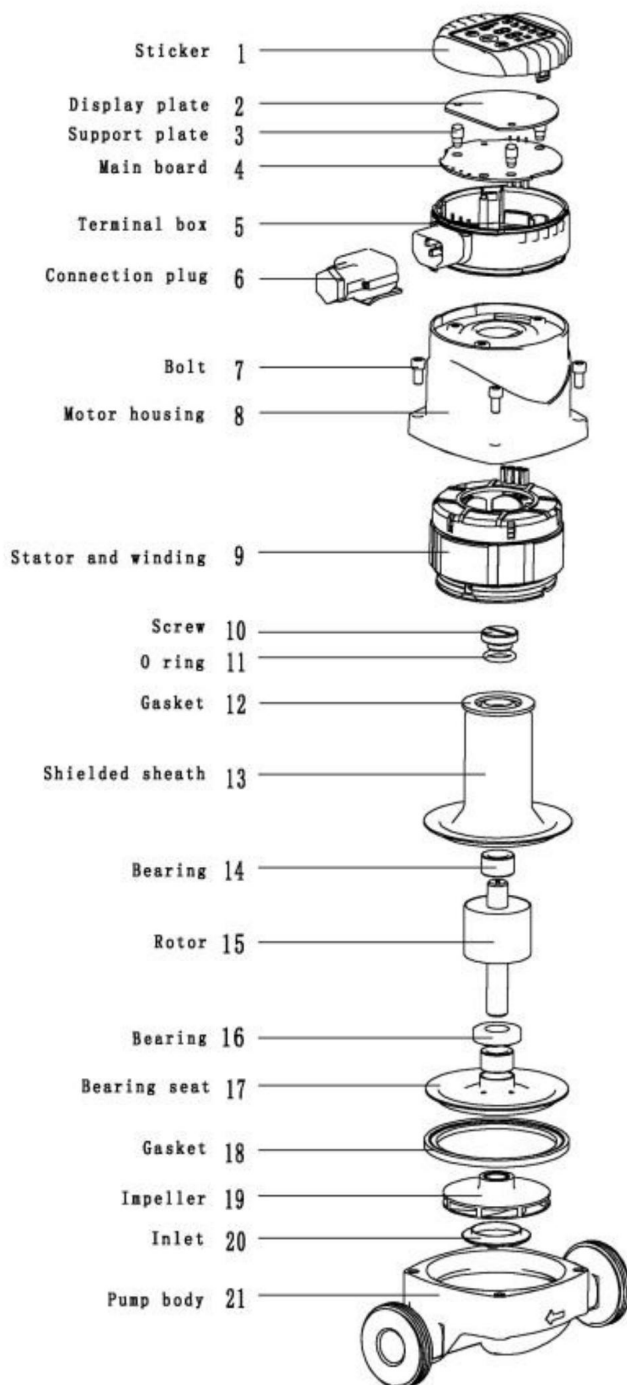
3) There is noise in the Display a value pump	A)There's a gas in the pump B)Low inlet pressure	A)after running for a period of time,the pump will automatically exhaust see section 10.2 B)Increase inlet pressure.If expansion tank is installed,check the air volume.
4)shortage of heat Display a value	Low pump performance	A) Increase inlet pressure of pump B) See chapter 11

SPEZIFIKATIONSPARAMETER

Modell	Eingang	Maximaler Durchfluss [l/min]	Maximaler Kopf [M]	Auslassgröße
LPS25-4BP/180	Wechselstrom 220-240 V 50 Hz	50	4	1-1/2 Zoll
LPS25-6BP/180	Wechselstrom 220-240 V 50 Hz	60	6	1-1/2 Zoll
LPS25-8BP/180	Wechselstrom 220-240 V 50 Hz	67	8	1-1/2 Zoll

Anweisungen





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Continuiamo a impegnarci per fornirvi strumenti a prezzi competitivi.

"Risparmia la metà", "Metà prezzo" o qualsiasi altra espressione simile da noi utilizzata rappresenta solo una stima del risparmio che potresti ottenere acquistando determinati utensili con noi rispetto ai principali marchi principali e non significa necessariamente coprire tutte le categorie di utensili da noi offerti. Ti ricordiamo gentilmente di verificare attentamente quando effettui un ordine con noi se stai effettivamente risparmiando la metà rispetto ai principali marchi principali.

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POMPA CIRCOLATORE

Modello:LPS25-4BP/180,LPS25-6BP/180,LPS25-8BP/180



(L'immagine è solo di riferimento, fare riferimento all'oggetto reale)

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Certificato

Questa è l'istruzione originale, si prega di leggere attentamente tutte le istruzioni del manuale prima di utilizzare. VEVOR si riserva una chiara interpretazione del nostro manuale utente. L'aspetto del prodotto sarà soggetto al prodotto ricevuto. Vi preghiamo di perdonarci se non vi informeremo di nuovo se ci sono aggiornamenti tecnologici o software sul nostro prodotto.



Attenzione: per ridurre il rischio di lesioni, l'utente deve leggere attentamente il manuale di istruzioni.



Smaltimento corretto

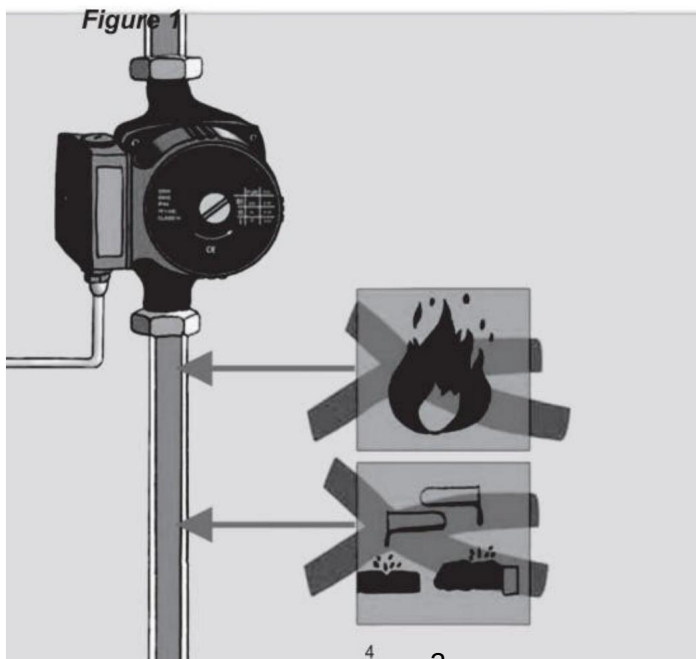
Questo prodotto è soggetto alle disposizioni della Direttiva europea 2012/19/UE. Il simbolo raffigurante un bidone della spazzatura barrato indica che il prodotto richiede la raccolta differenziata nell'Unione Europea. Ciò si applica al prodotto e a tutti gli accessori contrassegnati con questo simbolo. I prodotti contrassegnati come tali non possono essere smaltiti con i normali rifiuti domestici, ma devono essere portati in un punto di raccolta per il riciclaggio di dispositivi elettrici ed elettronici.

ATTENZIONE

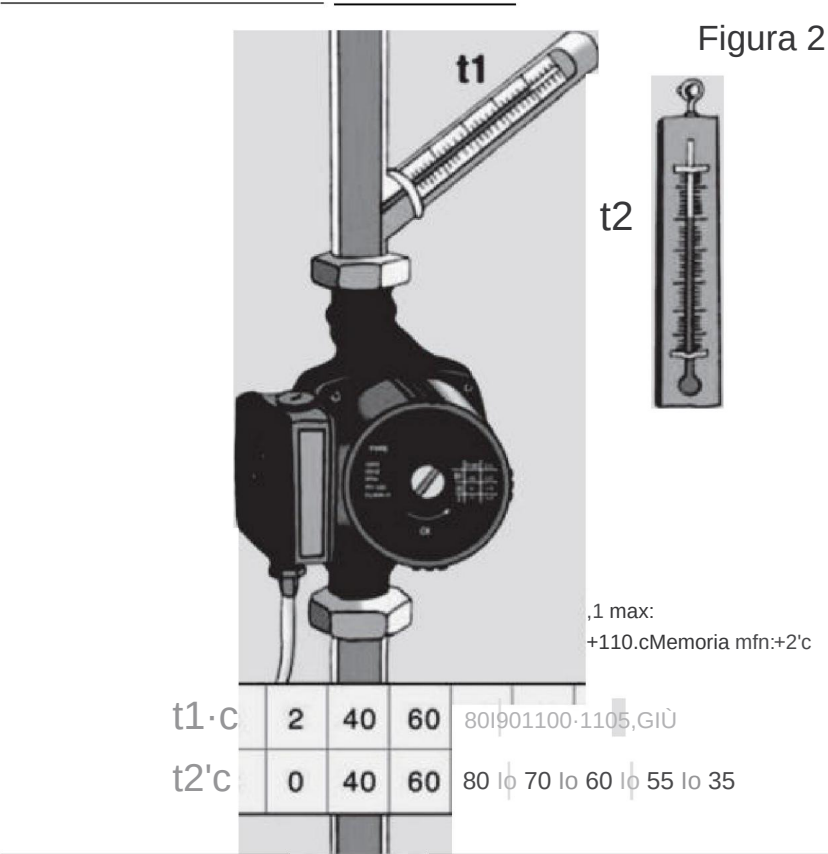
Circulation Pump

1. Using condition

- This pump uses water or liquid to lubricate. Therefore in the condition of no-water or no-liquid, operating shall not be exceed 10 seconds. (Figure 1)



t1=temperatura del tubo
t2=temperatura ambiente
(Figura 2)



2. Installazione

- Vietare l'installazione capovolta o con motore rivolto verso il basso, per evitare che perdite di liquido penetrino all'interno del motore, causando cortocircuiti e bruciature del motore (Figura 3)
- Inserimento nel cuscino, avvvitamento dei raccordi dei tubi, fissaggio della pompa dell'acqua (Figura 4)

Figure 3

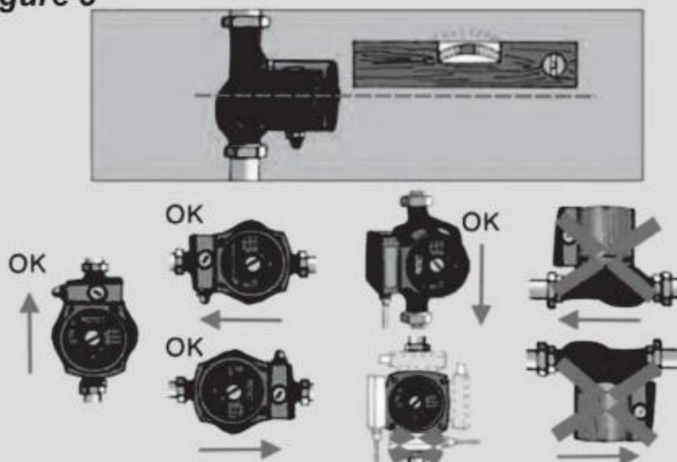
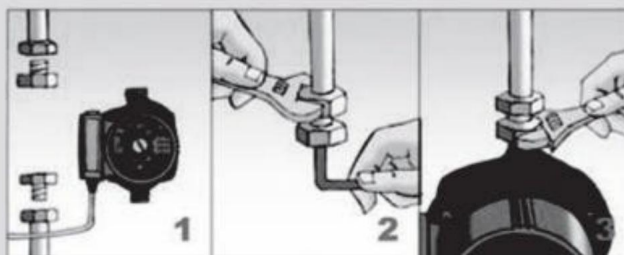
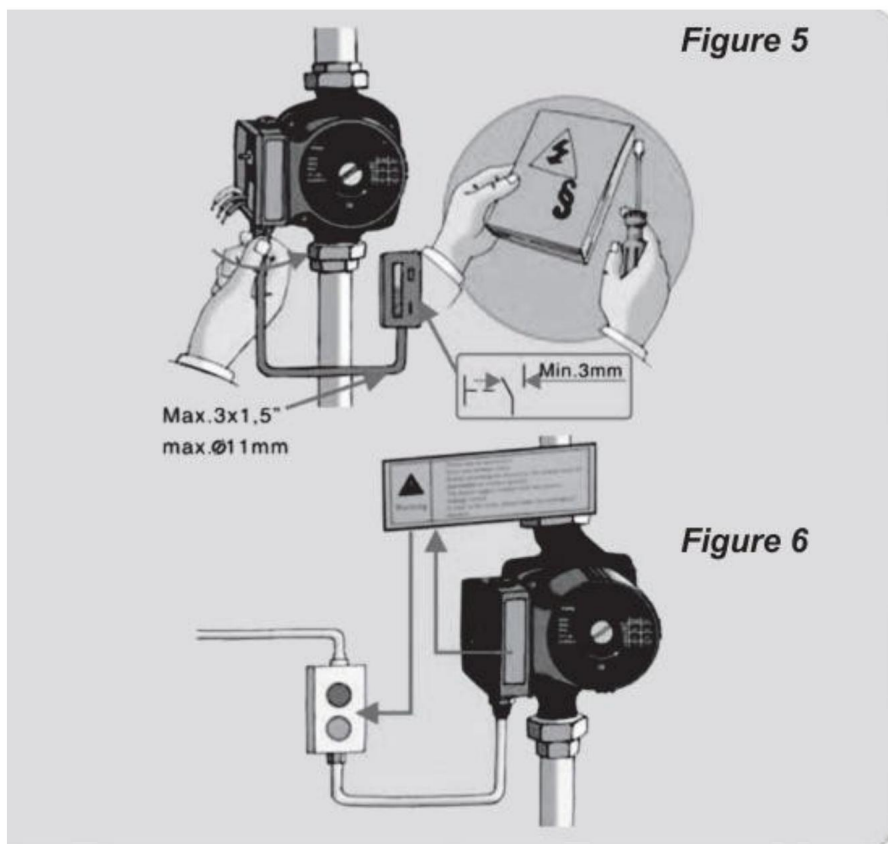


Figure 4



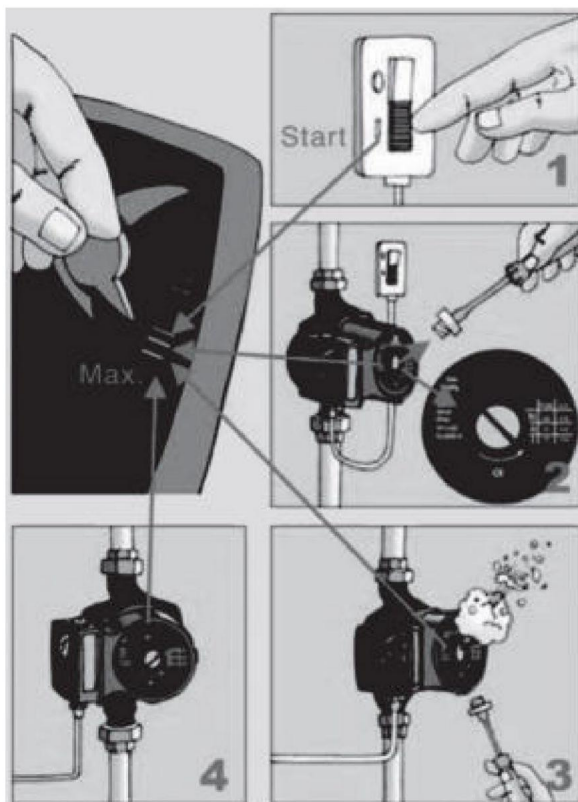
- La presa di corrente deve essere dotata di messa a terra. Non modificare la spina di messa a terra della macchina senza autorizzazione. (Figura 5)
- Leggere attentamente le avvertenze (Figura 6)



Per accendere l'apparecchio, portare l'interruttore su "velocità massima", quindi allentare la vite dell'aria per lo sfiato.

(Figura 7)

Figura 7



Fault	Cause	Remedy
Pump fails to start	Supply failure.	Check fuses and possible loose electrical connections
	Capacitor is defective	Replace the capacitor.
	Pump blocked due to furred bearings.	Change over to maximum speed for a short period or free the rotor with a screwdriver inserted in the slot of the shaft end
	Impurities in the pump.	Dismantle and clean the pump.
Noise in the system	Pump flow setting is too high	Change over to a lower speed.
	Air in the system.	Vent the system.
Noise in the pump.	Air in the pump	Vent the pump.
	Inlet pressure too low	Increase the inlet pressure or check the air volume in the expansion tank (if installed).

Cuore-A temperature dell'acqua elevate e pressioni del sistema, chiudere le valvole di isolamento

entrambe le porte della pompa. Per prima cosa, lasciare raffreddare la pompa.

Rumore

-Azioni correttive per la cavitazione dovuta a pressione di ingresso insufficiente:

-Aumentare la pressione del sistema entro i limiti consentiti.

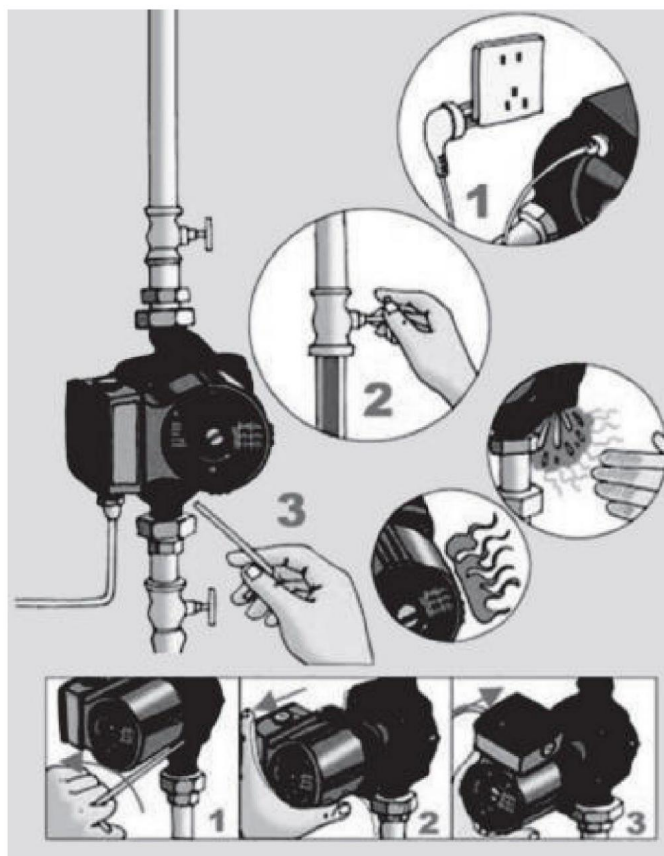
-Controllare l'impostazione della velocità, se necessario, regolare su un'impostazione di velocità inferiore

Se non è possibile individuare o risolvere il guasto, contattare il rappresentante più vicino.

3. Smontare e riparare

Prima di effettuare la riparazione, staccare prima la spina, interrompere l'alimentazione e chiudere la valvola di ingresso, rimuovere la vite, quindi estrarre le parti danneggiate. (Figura 8)

Figura 8



6.THE CONTROL PANEL

CATALOGUE

- 6.1 Components on the control panel
- 6.2 Display
- 6.3 Show the trooper area of the pump setting
- 6.4 Light area in automatic night mode
- 6.5 The button to enable night mode
- 6.6The button to start the pump setting

6.1 Components on the control panel



Figure 7 THE CONTROL PANEL

The variable frequency pump control panel includes

NO.	Instructions
1	A display that displays the actual power consumed by a pump in watts
2	8 light areas for the pump setting
3	Light area in night mode
4	The button to enable night mode
5	The button for pump Settings

6.2 Display

When the power is turned on, the display at position 1 will work.

WARNING



During operation, the display value to Watt as a unit, showing the actual power consumption of the pump.

A fault that prevents the pump from working properly (for example, a blockage) is indicated on the display as "--".

If there is a failure, you must disconnect the power supply, in order to troubleshoot, after the failure, re-connect the power supply and start the pump.

6.3 show the light area set by the pump

Vevor intelligent has eight kinds of settings and can be selected by button. please refer to figure 7, the position 5.

Pump settings are represented by eight different lighting areas, as shown in figure 8.

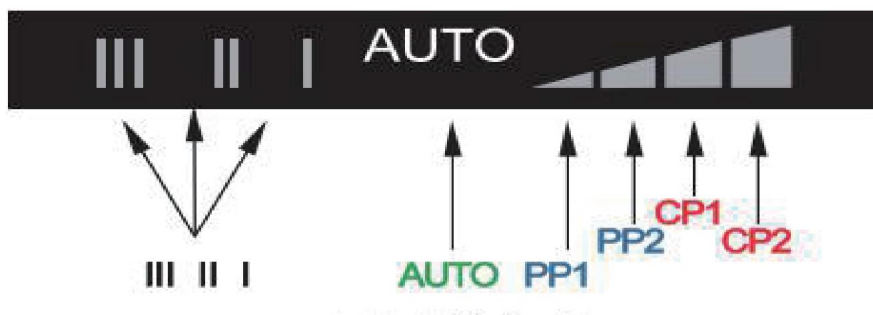


Figure 8 eight lighting areas

Button count	lighting area	instruction
0	AUTO(the factor set up)	Automatic Adaptation
1	PP1	Minimum proportional pressure curve
2	PP2	Maximum proportional pressure curve
3	CP1	Minimum constant pressure curve
4	CP2	Maximum constant pressure curve
5	III	Constant velocity curve, speed
6	II	Constant velocity curve, speed
7	I	Constant velocity curve, speed
8	AUTO	Automatic Adaptation

For a detailed description of the setting function, see Chapter 11, «pump setting and pump performance»

6.4 Represents a lighting area in automatic night mode

Denoted by ☀ , See figure 7, Position 3. The light indicates that automatic night mode is enabled. See Section 6.5 for «the button to activate automatic night mode» .

6.5 Button to start automatic night mode

This button, shown in figure 7, at position 4, Turn on /off automatic night mode.

The automatic night mode feature is only available for heating systems with this feature, see Chapter 8, «automatic night mode» .

The automatic night mode function starts when the lighting area ☀ light up,.

Factory settings: automatic night mode function **is not set**.

If the intelligent pump has been set speed 1 mode, speed || or speed ||| mode , auto night mode cannot be selected.

6.6 Select the pump setting button

Each press of the button once, as shown in figure 7, Position 5, the pump setting changes a mode.

For a cycle of eight presses, see section 6.3, «indicating the light area of the pump setting»

7 pump setting

Catalogue

7.1 Set up the water pump according to the system type



7.2 pump control

7.1 Set up the water pump according to the system type

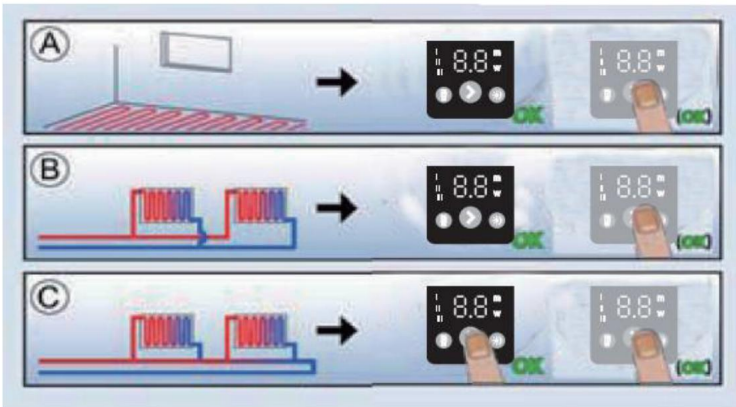


Figure 9 selection of pump settings by system type

Factory setting auto=adapting mode

Several optional pump settings are recommended, as shown in figure 9 :

Position	system type	pump setting	
		Optimal Setting	Or other optional settings
A	Floor Heating System	AUTO	Maximum constant pressure curve (CP2mode)
			Or Minimum constant pressure curve(CP1 mode)
B	Double-pipe heating system	AUTO	Maximum proportional pressure curve (PP2mode)
C	Single pipe heating system		
			(PP1mode) (PP2mode)

* See Section 14.1, 《guide to performance curves》

AUTO (Adaptive mode) Heating System installed under the floor and double pipe system

AUTO (Adaptive mode) According to the actual heat demand of the system, automatically adjust the pump performance. As the performance is gradually adjusted, it is recommended that the pump be placed in "AUTO" mode for at least one week before changing its setting.If you choose to change back to "auto" mode, the intelligent pump can remember the vaguely auto-adaptive mode setting point, continue to automatically adjust the performance.

Pump setting changed from optimal to other optional settings

Heating Systems are "slow" systems that can not operate optimally in minutes or hours. If the optimal setting of the pump fails to achieve the desired heat distribution in each room, the pump setting should be changed to other settings.

For the relationship between pump settings and performance curves, see Chapter 11 《pump settings and pump performance》。

7.2 Pump control

During the operation of the pump, the pump is controlled according to the principle of "proportional pressure control" (PP) or "constant pressure control" (CP)。

Under these two control modes, the pump performance and corresponding power consumption are adjusted according to the heat demand of the system.

Proportional pressure control

Under these two control modes, the pressure difference between the two ends of the pump is controlled by the flow rate. The proportional pressure curve is shown in the Q/H diagram in PP1 and PP2, see Chapter 11 «pump settings and pump performance»

Constant pressure control

In this control mode, the pressure difference between the two ends of the pump remains constant regardless of the flow rate.

Constant pressure curves CP1 and CP2 indicate a horizontal performance curve in the Q / h diagram.see Chapter 11 «pump settings and pump performance»

8Automatic night mode

8.1 Basic principles of automatic night mode

8.2Automatic night mode function

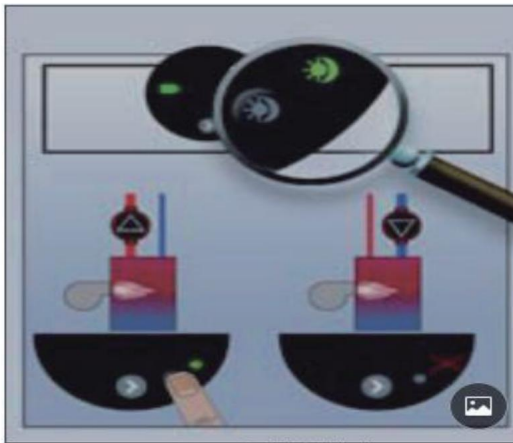


Figure 10 automatic night mode

FAILURE CHECKLIST

WARNING



Assicurarsi che l'alimentazione sia scollegata e non venga accidentalmente riattivata prima di eseguire qualsiasi intervento di manutenzione e riparazione sulla pompa.

1.		b)C) pump failure 5)The voltage may be too low b)water pump jam	A) Replace fuse B) C) Check whether the power supply is within the specified range D) Remove the impurity
----	--	--	---

Failure check list	Control over panel	cause	Elimination methods
1. Water pump cannot start	Light out	a)A fuse blew out in the equipment	Replace fuse

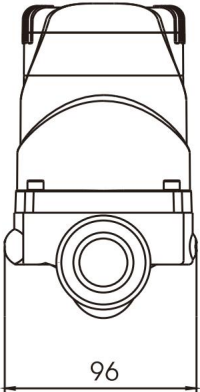
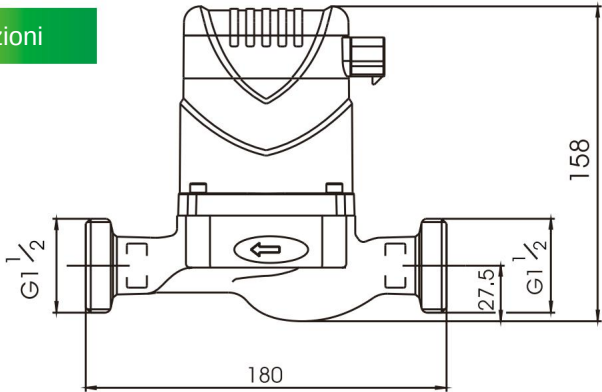
		b)The current controller or voltage-controlled circuit breaker is disconnected	Switch on
		c)water pump jam	Replace the water pump
		a)The voltage may be too low	E) Check whether the power supply is within the specified range
		b)Pump blocked	Remove the impurity
		a)There's a gas in the system	Exhaust the system
2. There is noise in the system	Display a value		See section 10.3, exhaust for heating system
			Reduce inlet pressure of pump
			Chapter 11 "pump setting and pump performance"
		b)Excess flow	

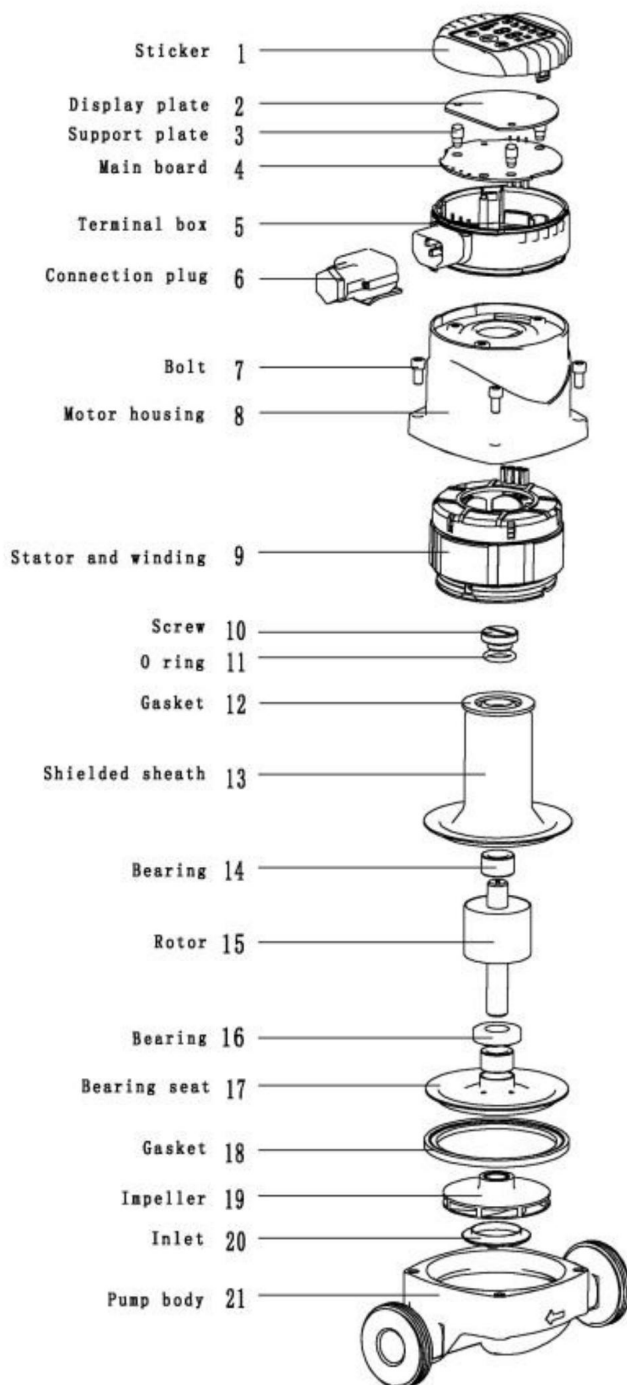
3) There is noise in the Display a value pump	A)There's a gas in the pump B)Low inlet pressure	A)after running for a period of time,the pump will automatically exhaust see section 10.2 B)Increase inlet pressure.If expansion tank is installed,check the air volume.
4)shortage of heat Display a value	Low pump performance	A) Increase inlet pressure of pump B) See chapter 11

PARAMETRI DI SPECIFICA

Modello	Ingresso	Flusso massimo [l/min]	Testa massima [M]	Dimensioni della presa
LPS25-4BP/180	AC220-240V 50 Hz	50	4	1-1/2"
LPS25-6BP/180	AC220-240V 50 Hz	60	6	1-1/2"
LPS25-8BP/180	AC220-240V 50 Hz	67	8	1-1/2"

Istruzioni





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BOMBA CIRCULADORA INSTRUCCIONES

Seguimos comprometidos a brindarle herramientas a precios competitivos.

"Ahorre la mitad", "mitad de precio" o cualquier otra expresión similar que utilicemos solo representa una estimación del ahorro que podría obtener al comprar ciertas herramientas con nosotros en comparación con las principales marcas y no necesariamente significa que cubra todas las categorías de herramientas que ofrecemos. Le recordamos que, al realizar un pedido con nosotros, verifique cuidadosamente si realmente está ahorrando la mitad en comparación con las principales marcas.

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BOMBA CIRCULADORA

Modelo: LPS25-4BP/180, LPS25-6BP/180, LPS25-8BP/180



(La imagen es solo de referencia, consulte el objeto real)

¿NECESITA AYUDA? ¡CONTÁCTENOS!

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Certificado

Estas son las instrucciones originales, lea atentamente todas las instrucciones del manual antes de utilizar el producto. VEVOR se reserva una interpretación clara de nuestro manual de usuario. La apariencia del producto estará sujeta al producto que recibió. Perdónenos por no informarle nuevamente si hay actualizaciones de tecnología o software en nuestro producto.



Advertencia: Para reducir el riesgo de lesiones, el usuario debe leer atentamente el manual de instrucciones.



Eliminación correcta

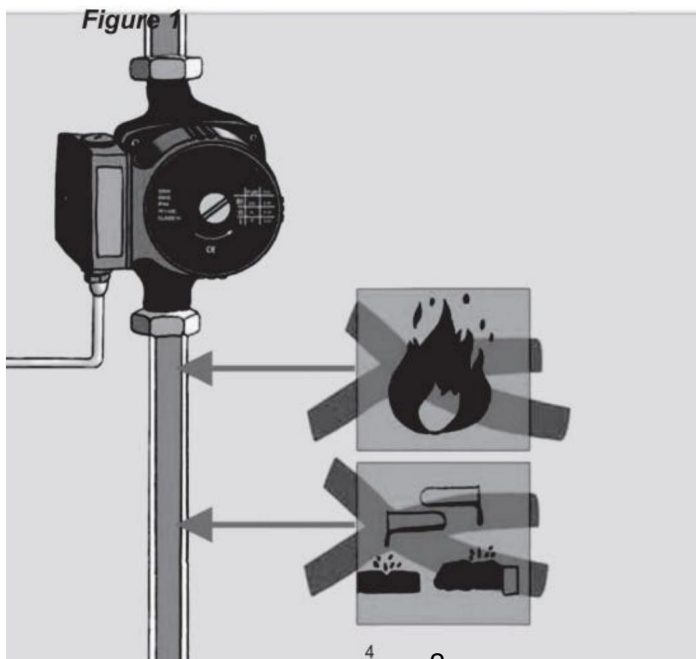
Este producto está sujeto a las disposiciones de la Directiva europea 2012/19/UE. El símbolo que muestra un contenedor de basura tachado indica que el producto requiere una recogida selectiva de residuos en la Unión Europea. Esto se aplica al producto y a todos los accesorios marcados con este símbolo. Los productos marcados como tales no pueden desecharse con los residuos domésticos normales, sino que deben llevarse a un punto de recogida para reciclar dispositivos eléctricos y electrónicos.

ATENCIÓN

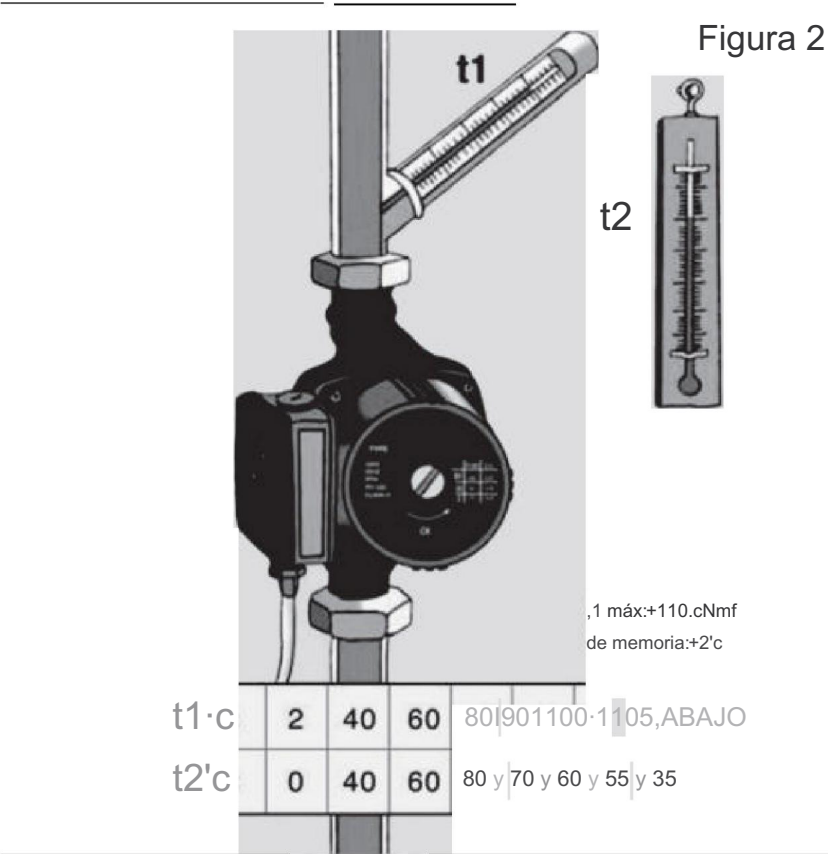
Circulation Pump

1. Using condition

- This pump uses water or liquid to lubricate. Therefore in the condition of no-water or no-liquid, operating shall not be exceed 10 seconds. (Figure 1)



t1=temperatura de la tubería
t2=temperatura ambiente
(Figura 2)



2.Instalación

- Está prohibido instalarlo al revés o con el motor boca abajo, para evitar que entre líquido en el interior del motor, lo que provocaría un cortocircuito y que el motor se quemara (Figura 3).
- Colocación del cojín, enroscado de los racores de las tuberías, fijación de la bomba de agua (Figura 4)

Figure 3

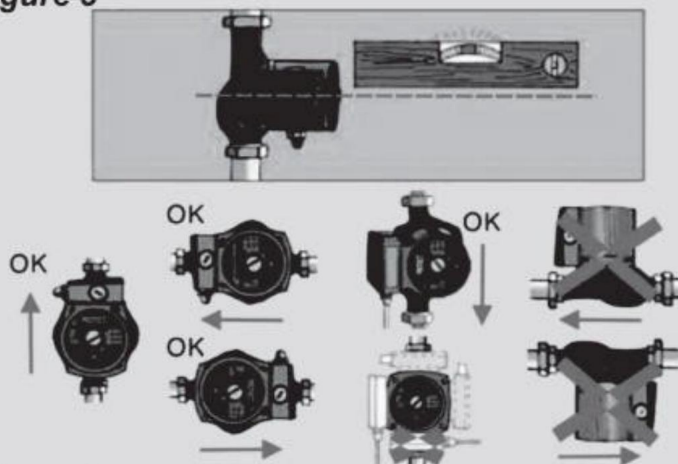
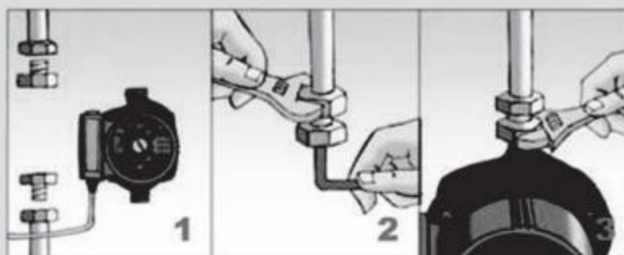
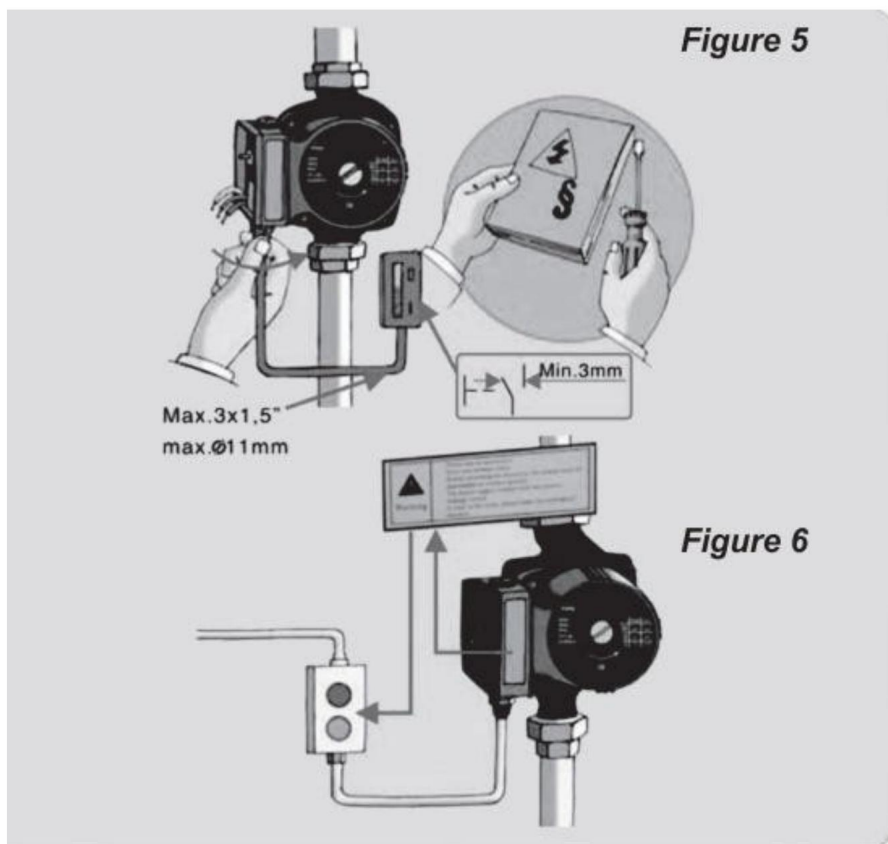


Figure 4



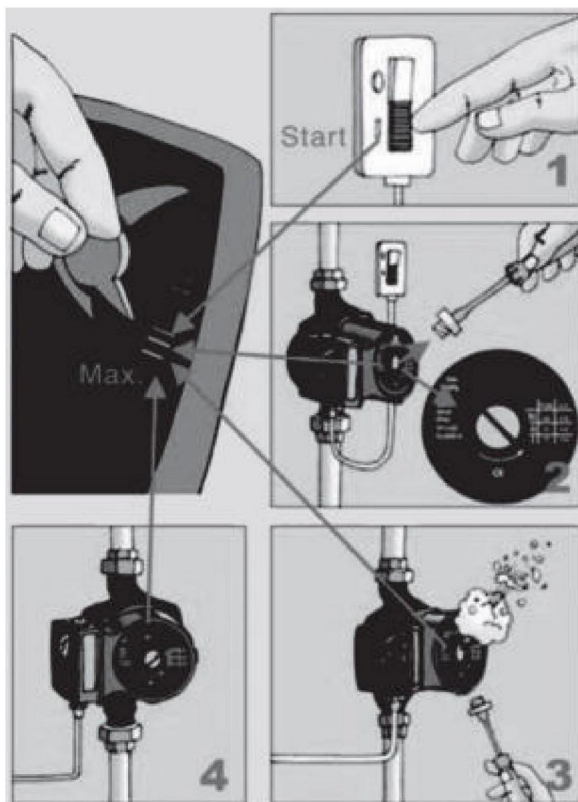
- La toma de corriente debe estar conectada a tierra. No se debe modificar el enchufe de conexión a tierra de la máquina sin autorización. (Figura 5)
- Leer atentamente las advertencias (Figura 6)



Para encender el aparato, gire el interruptor a la posición de velocidad y luego afloje el tornillo de aire para ventilar.

(Figura 7)

Figura 7



Fault	Cause	Remedy
Pump fails to start	Supply failure.	Check fuses and possible loose electrical connections
	Capacitor is defective	Replace the capacitor.
	Pump blocked due to furred bearings.	Change over to maximum speed for a short period or free the rotor with a screwdriver inserted in the slot of the shaft end
	Impurities in the pump.	Dismantle and clean the pump.
Noise in the system	Pump flow setting is too high	Change over to a lower speed.
	Air in the system.	Vent the system.
Noise in the pump.	Air in the pump	Vent the pump.
	Inlet pressure too low	Increase the inlet pressure or check the air volume in the expansion tank (if installed).

corazón-en Altas temperaturas del agua y presiones del sistema, cierre las válvulas de aislamiento en Ambos puertos de la bomba. Primero, deje que la bomba se enfríe.

Ruido

-Cavitación por presión de entrada insuficiente. Medidas correctivas:

-Aumentar la presión del sistema dentro de los límites permitidos.

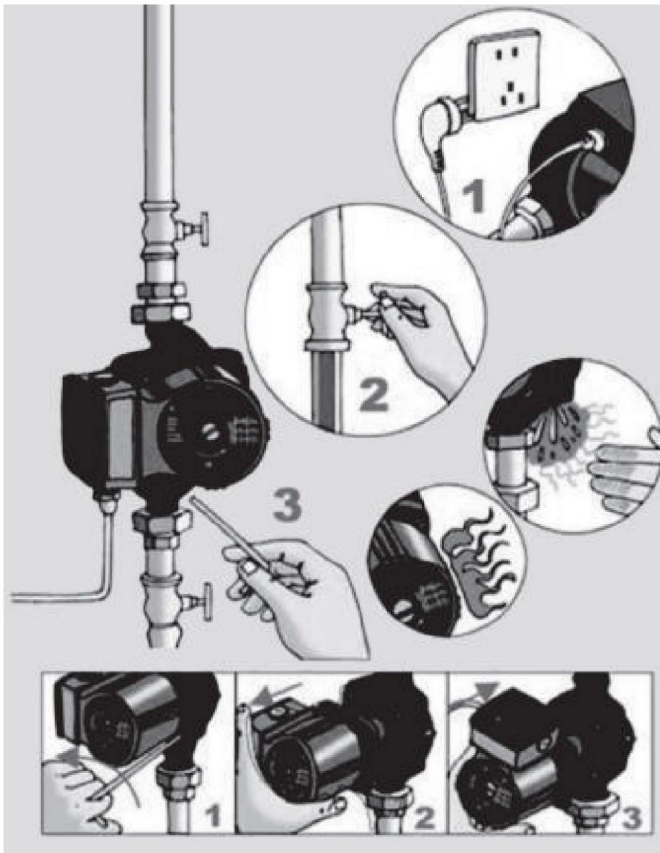
-Verifique la configuración de velocidad; si es necesario, ajústela a una configuración de velocidad más baja.

Si no se puede localizar o corregir el fallo, póngase en contacto con su representante más cercano.

3. Desmontar y reparar

Antes de realizar cualquier reparación, primero debe desconectar el enchufe, cortar la energía y cerrar la válvula de entrada, quitar el tornillo y luego sacar las piezas dañadas. (Figura 8)

Figura 8



6.THE CONTROL PANEL

CATALOGUE

6.1 Components on the control panel

6.2 Display

6.3 Show the trooper area of the pump setting

6.4 Light area in automatic night mode

6.5 The button to enable night mode

6.6The button to start the pump setting

6.1 Components on the control panel



Figure 7 THE CONTROL PANEL

The variable frequency pump control panel includes

NO.	Instructions
1	A display that displays the actual power consumed by a pump in watts
2	8 light areas for the pump setting
3	Light area in night mode
4	The button to enable night mode
5	The button for pump Settings

6.2 Display

When the power is turned on, the display at position 1 will work.

WARNING



During operation, the display value to Watt as a unit, showing the actual power consumption of the pump.

A fault that prevents the pump from working properly (for example, a blockage) is indicated on the display as "--".

If there is a failure, you must disconnect the power supply, in order to troubleshoot, after the failure, re-connect the power supply and start the pump.

6.3 show the light area set by the pump

Vevor intelligent has eight kinds of settings and can be selected by button. please refer to figure 7, the position 5.

Pump settings are represented by eight different lighting areas, as shown in figure 8.

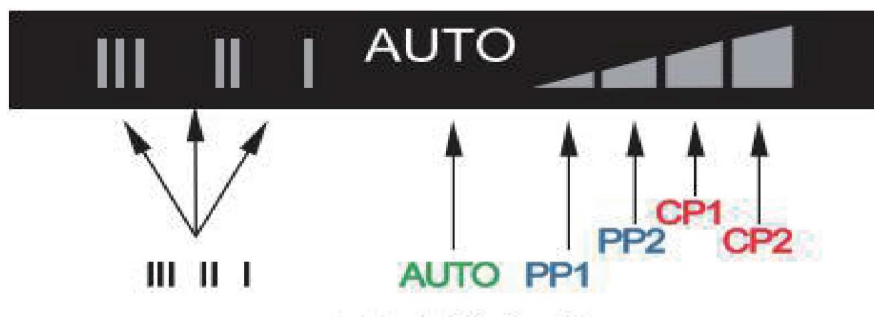


Figure 8 eight lighting areas

Button count	lighting area	instruction
0	AUTO(the factor set up)	Automatic Adaptation
1	PP1	Minimum proportional pressure curve
2	PP2	Maximum proportional pressure curve
3	CP1	Minimum constant pressure curve
4	CP2	Maximum constant pressure curve
5	III	Constant velocity curve, speed
6	II	Constant velocity curve, speed
7	I	Constant velocity curve, speed
8	AUTO	Automatic Adaptation

For a detailed description of the setting function, see Chapter 11, «pump setting and pump performance»

6.4 Represents a lighting area in automatic night mode

Denoted by ☀ , See figure 7, Position 3. The light indicates that automatic night mode is enabled. See Section 6.5 for «the button to activate automatic night mode» .

6.5 Button to start automatic night mode

This button, shown in figure 7, at position 4, Turn on /off automatic night mode.

The automatic night mode feature is only available for heating systems with this feature, see Chapter 8, «automatic night mode» .

The automatic night mode function starts when the lighting area ☀ light up,.

Factory settings: automatic night mode function **is not set**.

If the intelligent pump has been set speed 1 mode, speed || or speed ||| mode , auto night mode cannot be selected.

6.6 Select the pump setting button

Each press of the button once, as shown in figure 7, Position 5, the pump setting changes a mode.

For a cycle of eight presses, see section 6.3, «indicating the light area of the pump setting»

7 pump setting

Catalogue

7.1 Set up the water pump according to the system type



7.2 pump control

7.1 Set up the water pump according to the system type

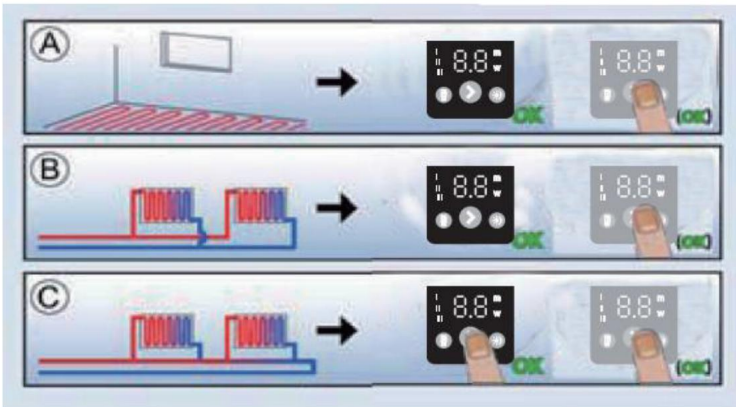


Figure 9 selection of pump settings by system type

Factory setting auto=adapting mode

Several optional pump settings are recommended, as shown in figure 9 :

Position	system type	pump setting	
		Optimal Setting	Or other optional settings
A	Floor Heating System	AUTO	Maximum constant pressure curve (CP2mode)
			Or Minimum constant pressure curve(CP1 mode)
B	Double-pipe heating system	AUTO	Maximum proportional pressure curve (PP2mode)
C	Single pipe heating system		
			(PP1mode) (PP2mode)

* See Section 14.1, 《guide to performance curves》

AUTO (Adaptive mode) Heating System installed under the floor and double pipe system

AUTO (Adaptive mode) According to the actual heat demand of the system, automatically adjust the pump performance. As the performance is gradually adjusted, it is recommended that the pump be placed in "AUTO" mode for at least one week before changing its setting. If you choose to change back to "auto" mode, the intelligent pump can remember the vaguely auto-adaptive mode setting point, continue to automatically adjust the performance.

Pump setting changed from optimal to other optional settings

Heating Systems are "slow" systems that can not operate optimally in minutes or hours. If the optimal setting of the pump fails to achieve the desired heat distribution in each room, the pump setting should be changed to other settings.

For the relationship between pump settings and performance curves, see Chapter 11 《pump settings and pump performance》。

7.2 Pump control

During the operation of the pump, the pump is controlled according to the principle of "proportional pressure control" (PP) or "constant pressure control" (CP)。

Under these two control modes, the pump performance and corresponding power consumption are adjusted according to the heat demand of the system.

Proportional pressure control

Under these two control modes, the pressure difference between the two ends of the pump is controlled by the flow rate. The proportional pressure curve is shown in the Q/H diagram in PP1 and PP2, see Chapter 11 «pump settings and pump performance»

Constant pressure control

In this control mode, the pressure difference between the two ends of the pump remains constant regardless of the flow rate.

Constant pressure curves CP1 and CP2 indicate a horizontal performance curve in the Q / h diagram.see Chapter 11 «pump settings and pump performance»

8Automatic night mode

8.1 Basic principles of automatic night mode

8.2Automatic night mode function

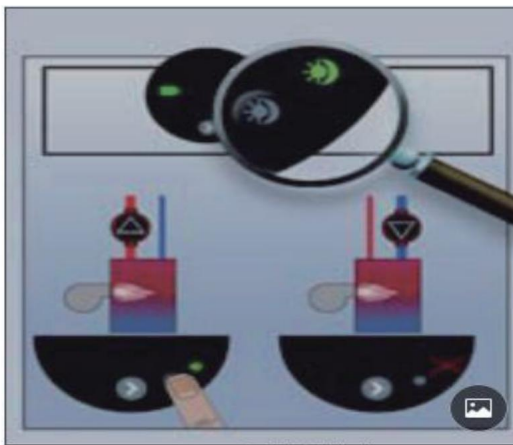


Figure 10 automatic night mode

FAILURE CHECKLIST

WARNING



Asegúrese de que la energía esté desconectada y no se encienda accidentalmente antes de realizar cualquier trabajo de mantenimiento o reparación en la bomba.

1.		b)C) pump failure 5)The voltage may be too low b)water pump jam	A) Replace fuse B) C) Check whether the power supply is within the specified range D) Remove the impurity
----	--	--	---

Failure check list	Control over panel	cause	Elimination methods
--------------------	--------------------	-------	---------------------

1. Water pump cannot
start

Light out

a)A fuse blew out in the
equipment

Replace fuse

b)The current controller
or voltage-controlled
circuit breaker is
disconnected

Switch on

c)water pump jam

Replace the water
pump

a)The voltage may be
too low

E) Check whether the
power supply is within
the specified range

b)Pump blocked

Remove the impurity

a)There's a gas in the
system

Exhaust the system
See section 10.3,
exhaust for heating
system

2. There is noise in the
system

Display a value

Reduce inlet pressure
of pump

Chapter 11 "pump
setting and pump
performance"

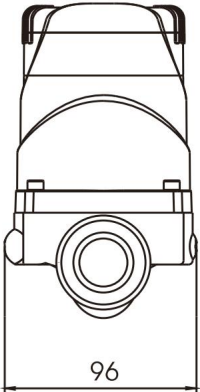
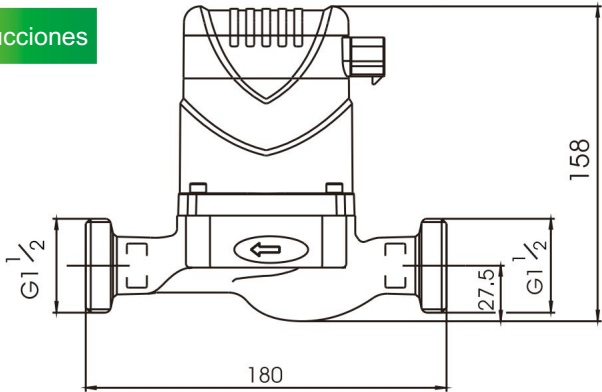
b)Excess flow

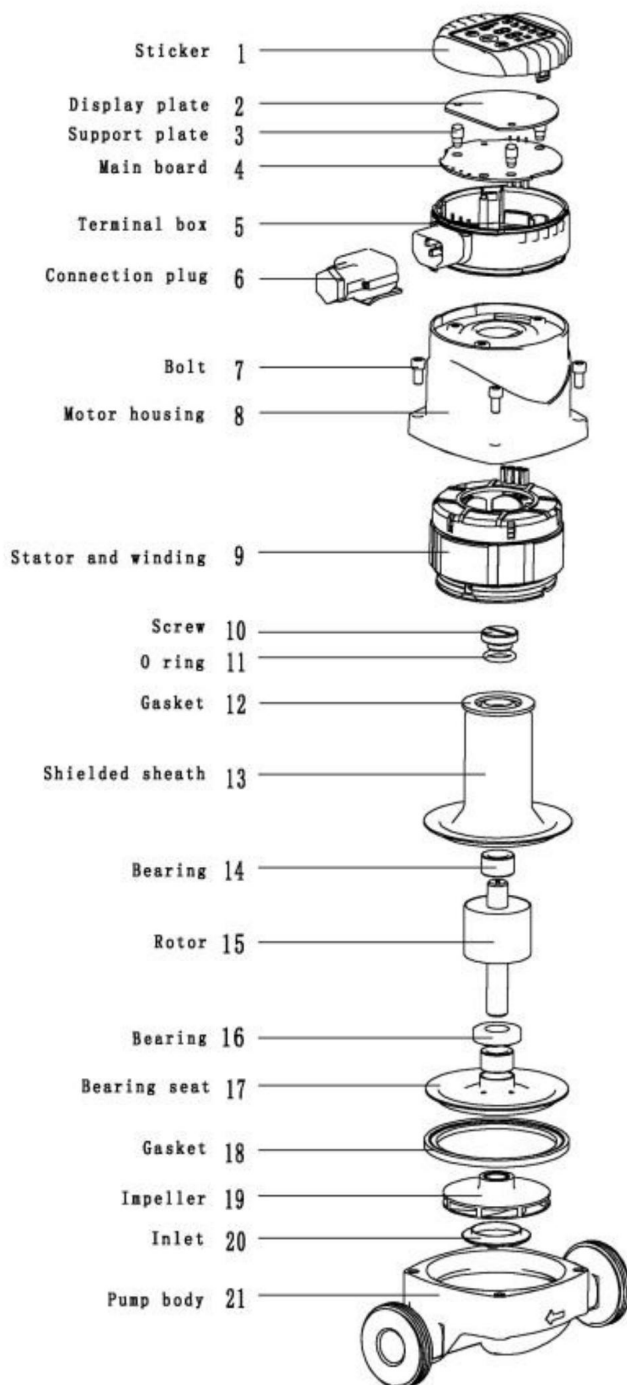
3) There is noise in the Display a value pump	A)There's a gas in the pump B)Low inlet pressure	A)after running for a period of time,the pump will automatically exhaust see section 10.2 B)Increase inlet pressure.If expansion tank is installed,check the air volume.
4)shortage of heat Display a value	Low pump performance	A) Increase inlet pressure of pump B) See chapter 11

PARÁMETROS DE ESPECIFICACIÓN

Modelo	Aporte	Flujo máximo [l/min]	Cabeza máxima [metro]	Tamaño de la salida
LPS25-4BP/180	CA 220-240 V 50 Hz	50	4	1-1/2"
LPS25-6BP/180	CA 220-240 V 50 Hz	60	6	1-1/2"
LPS25-8BP/180	CA 220-240 V 50 Hz	67	8	1-1/2"

Instrucciones





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Nadal staramy się oferować Państwu narzędzia w konkurencyjnych cenach.

„Oszczędź połowę”, „Połowa ceny” lub inne podobne wyrażenia używane przez nas stanowią jedynie szacunkowe oszczędności, jakie możesz uzyskać, kupując u nas określone narzędzia w porównaniu z głównymi markami i niekoniecznie oznaczają one objęcie wszystkich kategorii narzędzi oferowanych przez nas. Uprzejmie przypominamy, aby dokładnie sprawdzić, czy składając u nas zamówienie faktycznie oszczędzasz połowę w porównaniu z głównymi markami.

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POMPA OBIEGOWA

Modele: LPS25-4BP/180, LPS25-6BP/180, LPS25-8BP/180



(Zdjęcie ma charakter poglądowy, proszę odnosić się do rzeczywistego obiektu)

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To jest oryginalna instrukcja, przed użyciem należy uważnie przeczytać wszystkie instrukcje. VEVOR zastrzega sobie jasną interpretację naszej instrukcji obsługi. Wygląd produktu będzie zależał od produktu, który otrzymałeś. Prosimy o wybaczenie, że nie poinformujemy Cię ponownie, jeśli w naszym produkcie pojawiają się jakiegokolwiek aktualizacje technologiczne lub oprogramowania.



Ostrzeżenie: Aby zminimalizować ryzyko obrażeń, użytkownik powinien uważnie przeczytać instrukcję obsługi.



Prawidłowa utylizacja

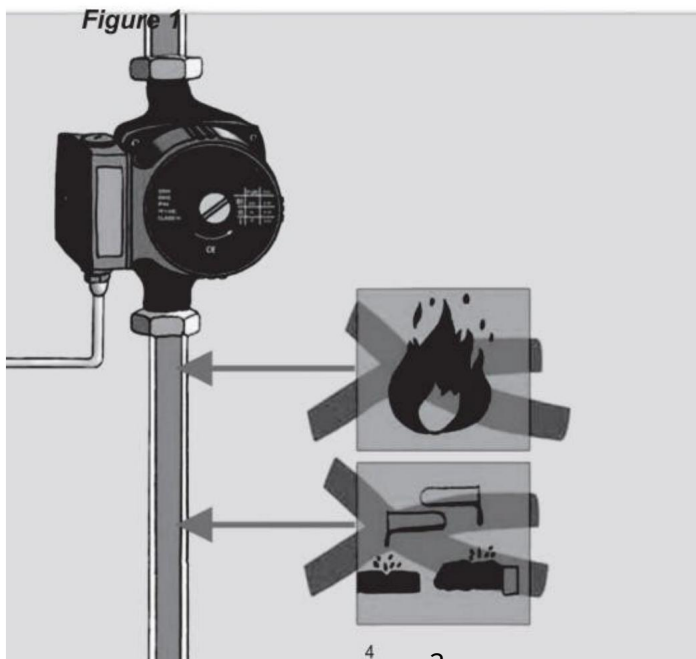
Ten produkt podlega przepisom europejskiej dyrektywy 2012/19/UE. Symbol przedstawiający przekreślony kosz na śmieci na kółkach oznacza, że produkt wymaga oddzielnej zbiórki odpadów w Unii Europejskiej. Dotyczy to produktu i wszystkich akcesoriów oznaczonych tym symbolem. Produktów oznaczonych w ten sposób nie można wyrzucać razem ze zwykłymi odpadami domowymi, ale należy je oddać do punktu zbiórki w celu recyklingu urządzeń elektrycznych i elektronicznych.

UWAGA

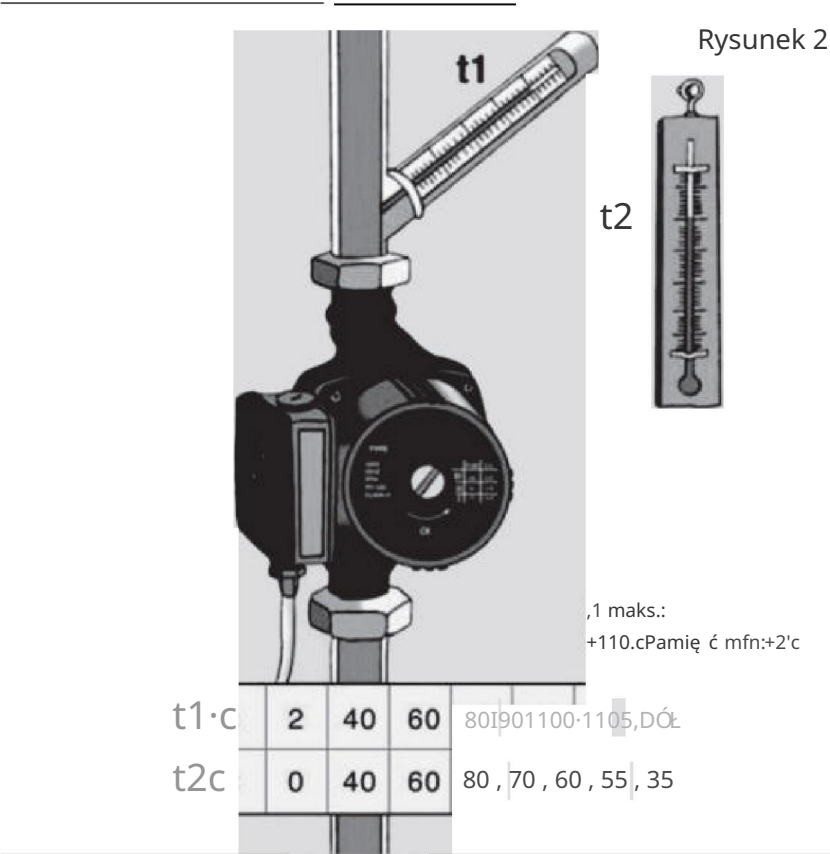
Circulation Pump

1. Using condition

- This pump uses water or liquid to lubricate.
Therefore in the condition of no-water or no-liquid, operating shall not be exceed 10 seconds.
(Figure 1)



t1=temperatura rury
t2=temperatura otoczenia
(Rysunek 2)



2. Instalacja

- Zabrania się montażu do góry nogami lub silnikiem skierowanym w dół, aby uniknąć wycieku płynu do wewnątrz trza silnika, co może spowodować zwarcie i spalenie silnika (rysunek 3).
- Wkładanie poduszki, przykręcanie złączy rurowych, mocowanie pompy wodnej (rysunek 4)

Figure 3

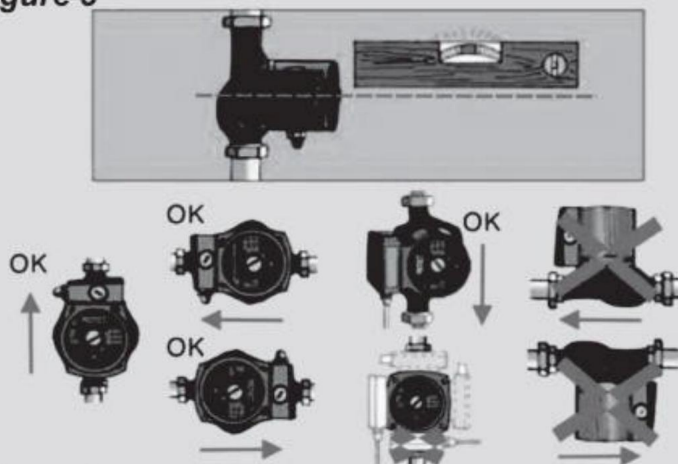
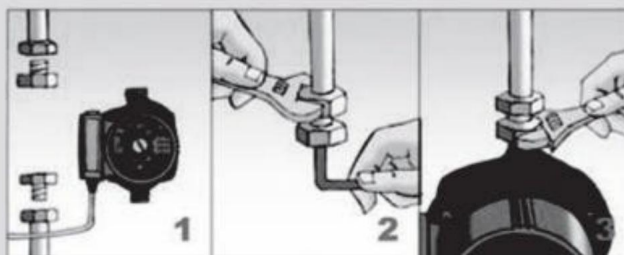
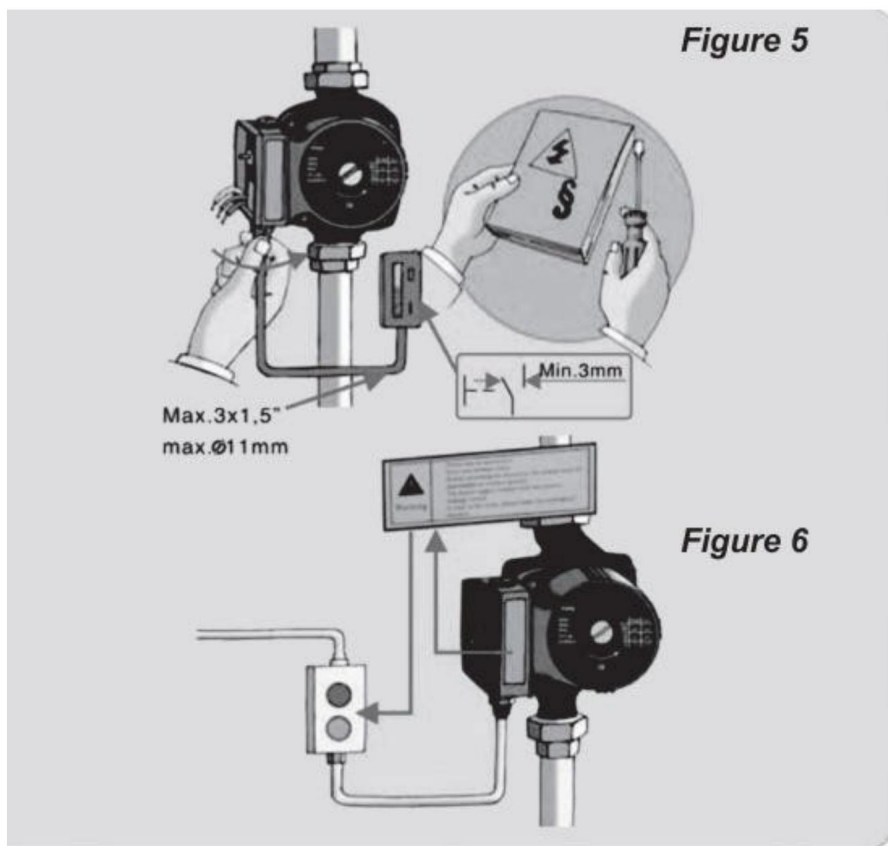


Figure 4

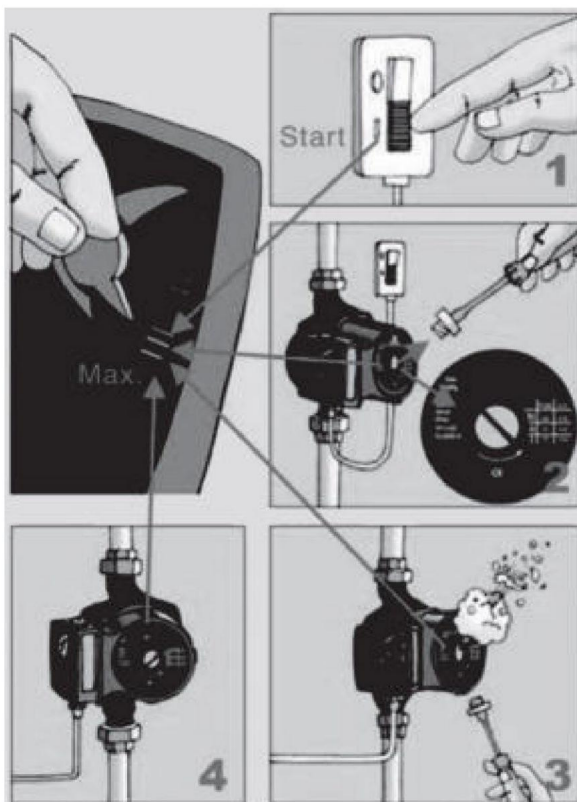


- Gniazdo zasilania musi być uziemione. Nie wolno modyfikować wtyczki uziemiającej urządzenia bez zezwolenia. (Rysunek 5)
- Uważne przeczytanie ostrzeżeń (Rysunek 6)



Po włączeniu zasilania ustaw przełącznik na pozycję „speed”, a następnie poluzuj śrubę odpowietrzającą.
(Rysunek 7)

Rysunek 7



Fault	Cause	Remedy
Pump fails to start	Supply failure.	Check fuses and possible loose electrical connections
	Capacitor is defective	Replace the capacitor.
	Pump blocked due to furred bearings.	Change over to maximum speed for a short period or free the rotor with a screwdriver inserted in the slot of the shaft end
	Impurities in the pump.	Dismantle and clean the pump.
Noise in the system	Pump flow setting is too high	Change over to a lower speed.
	Air in the system.	Vent the system.
Noise in the pump.	Air in the pump	Vent the pump.
	Inlet pressure too low	Increase the inlet pressure or check the air volume in the expansion tank (if installed).

Serco-w wysokie temperatury wody i ciśnienie w systemie, należy zamknąć zawory odcinające oba porty pompy. Najpierw pozwól pompie ostygnąć.

Hałas

-Kawitacja spowodowana niewystarczającym ciśnieniem wlotowym - działania naprawcze:

- Zwiększ ciśnienie w układzie w dopuszczalnych granicach.

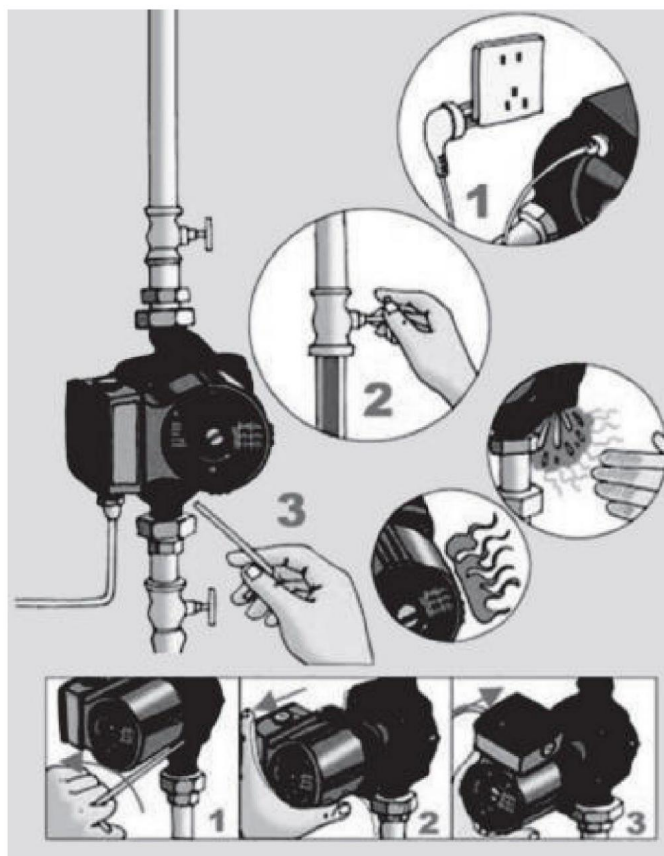
-Sprawdź ustawienie prędkości, w razie potrzeby ustaw niższą prędkość

Jeżeli nie uda się zlokalizować usterki lub jej usunąć, prosimy o kontakt z najbliższym przedstawicielem.

3. Rozebrać i naprawić

Przed przystąpieniem do naprawy należy najpierw wyciągnąć wtyczkę ,
odciąć zasilanie, zamknąć zawór wlotowy, wykręcić śrubę i wyjąć
uszkodzoną część. (Rysunek 8)

Rysunek 8



6.THE CONTROL PANEL

CATALOGUE

- 6.1 Components on the control panel
- 6.2 Display
- 6.3 Show the trooper area of the pump setting
- 6.4 Light area in automatic night mode
- 6.5 The button to enable night mode
- 6.6The button to start the pump setting

6.1 Components on the control panel



Figure 7 THE CONTROL PANEL

The variable frequency pump control panel includes

NO.	Instructions
1	A display that displays the actual power consumed by a pump in watts
2	8 light areas for the pump setting
3	Light area in night mode
4	The button to enable night mode
5	The button for pump Settings

6.2 Display

When the power is turned on, the display at position 1 will work.

WARNING



During operation, the display value to Watt as a unit, showing the actual power consumption of the pump.

A fault that prevents the pump from working properly (for example, a blockage) is indicated on the display as "--".

If there is a failure, you must disconnect the power supply, in order to troubleshoot, after the failure, re-connect the power supply and start the pump.

6.3 show the light area set by the pump

Vevor intelligent has eight kinds of settings and can be selected by button. please refer to figure 7, the position 5.

Pump settings are represented by eight different lighting areas, as shown in figure 8.

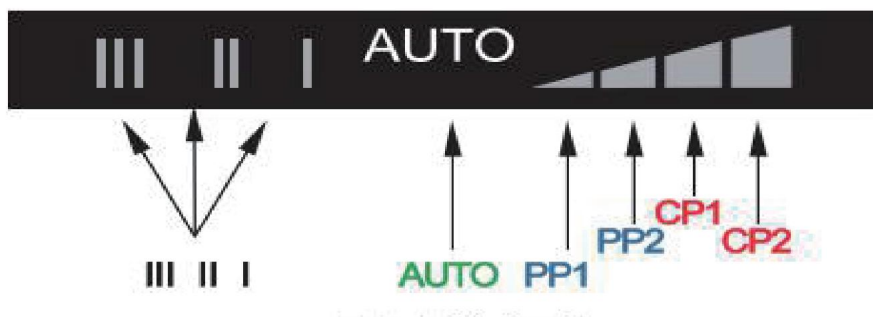


Figure 8 eight lighting areas

Button count	lighting area	instruction
0	AUTO(the factor set up)	Automatic Adaptation
1	PP1	Minimum proportional pressure curve
2	PP2	Maximum proportional pressure curve
3	CP1	Minimum constant pressure curve
4	CP2	Maximum constant pressure curve
5	III	Constant velocity curve, speed
6	II	Constant velocity curve, speed
7	I	Constant velocity curve, speed
8	AUTO	Automatic Adaptation

For a detailed description of the setting function, see Chapter 11, «pump setting and pump performance»

6.4 Represents a lighting area in automatic night mode

Denoted by ☀️, See figure 7, Position 3. The light indicates that automatic night mode is enabled. See Section 6.5 for «the button to activate automatic night mode».

6.5 Button to start automatic night mode

This button, shown in figure 7, at position 4, Turn on /off automatic night mode.

The automatic night mode feature is only available for heating systems with this feature, see Chapter 8, «automatic night mode».

The automatic night mode function starts when the lighting area ☀️ light up.

Factory settings: automatic night mode function **is not set**.

If the intelligent pump has been set speed 1 mode, speed || or speed ||| mode , auto night mode cannot be selected.

6.6 Select the pump setting button

Each press of the button once, as shown in figure 7, Position 5, the pump setting changes a mode.

For a cycle of eight presses, see section 6.3, «indicating the light area of the pump setting»

7 pump setting

Catalogue

7.1 Set up the water pump according to the system type



7.2 pump control

7.1 Set up the water pump according to the system type

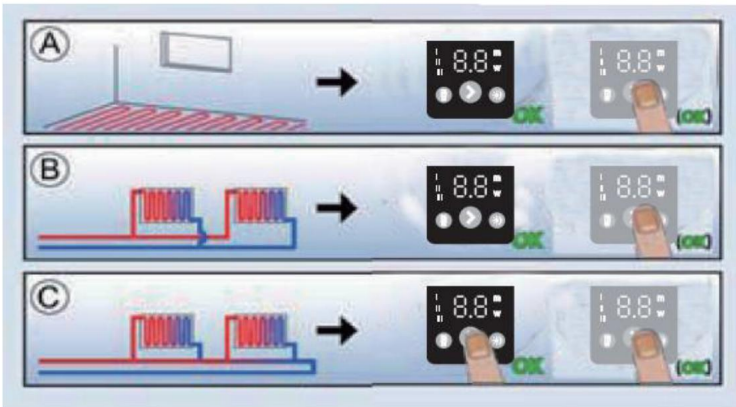


Figure 9 selection of pump settings by system type

Factory setting auto=adapting mode

Several optional pump settings are recommended, as shown in figure 9 :

Position	system type	pump setting	
		Optimal Setting	Or other optional settings
A	Floor Heating System	AUTO	Maximum constant pressure curve (CP2mode)
			Or Minimum constant pressure curve(CP1 mode)
B	Double-pipe heating system	AUTO	Maximum proportional pressure curve (PP2mode)
C	Single pipe heating system		
			(PP1mode) (PP2mode)

* See Section 14.1, 《guide to performance curves》

AUTO (Adaptive mode) Heating System installed under the floor and double pipe system

AUTO (Adaptive mode) According to the actual heat demand of the system, automatically adjust the pump performance. As the performance is gradually adjusted, it is recommended that the pump be placed in "AUTO" mode for at least one week before changing its setting.If you choose to change back to "auto" mode, the intelligent pump can remember the vaguely auto-adaptive mode setting point, continue to automatically adjust the performance.

Pump setting changed from optimal to other optional settings

Heating Systems are "slow" systems that can not operate optimally in minutes or hours. If the optimal setting of the pump fails to achieve the desired heat distribution in each room, the pump setting should be changed to other settings.

For the relationship between pump settings and performance curves, see Chapter 11 《pump settings and pump performance》 。

7.2 Pump control

During the operation of the pump, the pump is controlled according to the principle of "proportional pressure control" (PP) or "constant pressure control" (CP)。

Under these two control modes, the pump performance and corresponding power consumption are adjusted according to the heat demand of the system.

Proportional pressure control

Under these two control modes, the pressure difference between the two ends of the pump is controlled by the flow rate. The proportional pressure curve is shown in the Q/H diagram in PP1 and PP2, see Chapter 11 «pump settings and pump performance»

Constant pressure control

In this control mode, the pressure difference between the two ends of the pump remains constant regardless of the flow rate.

Constant pressure curves CP1 and CP2 indicate a horizontal performance curve in the Q / h diagram.see Chapter 11 «pump settings and pump performance»

8Automatic night mode

8.1 Basic principles of automatic night mode

8.2Automatic night mode function

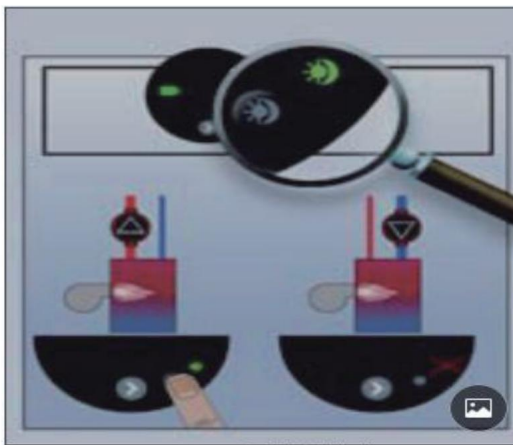


Figure 10 automatic night mode

FAILURE CHECKLIST

WARNING



Przed przystąpieniem do prac konserwacyjnych lub naprawczych pompy należy upewnić się, że zasilanie jest odłączone i nie zostanie przypadkowo włączone.

1.		b)C) pump failure 5)The voltage may be too low b)water pump jam	A) Replace fuse B) C) Check whether the power supply is within the specified range D) Remove the impurity
----	--	--	---

Failure check list	Control over panel	cause	Elimination methods
1. Water pump cannot start	Light out	a)A fuse blew out in the equipment	Replace fuse

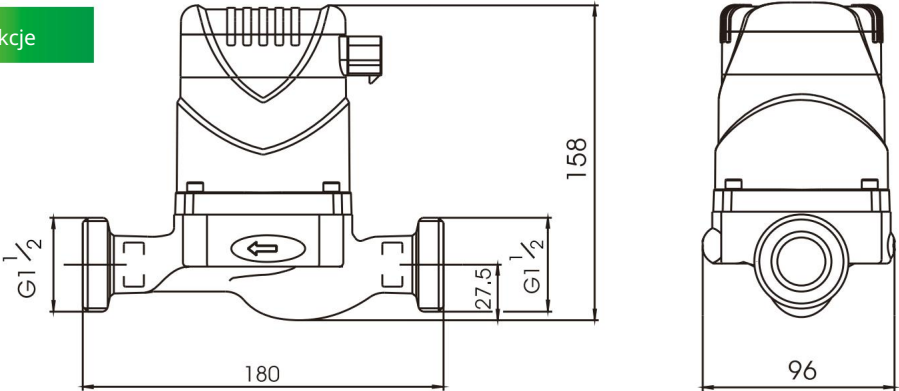
		b)The current controller or voltage-controlled circuit breaker is disconnected	Switch on
		c)water pump jam	Replace the water pump
		a)The voltage may be too low	E) Check whether the power supply is within the specified range
		b)Pump blocked	Remove the impurity
		a)There's a gas in the system	Exhaust the system
2. There is noise in the system	Display a value		See section 10.3, exhaust for heating system
			Reduce inlet pressure of pump
			Chapter 11 "pump setting and pump performance"
		b)Excess flow	

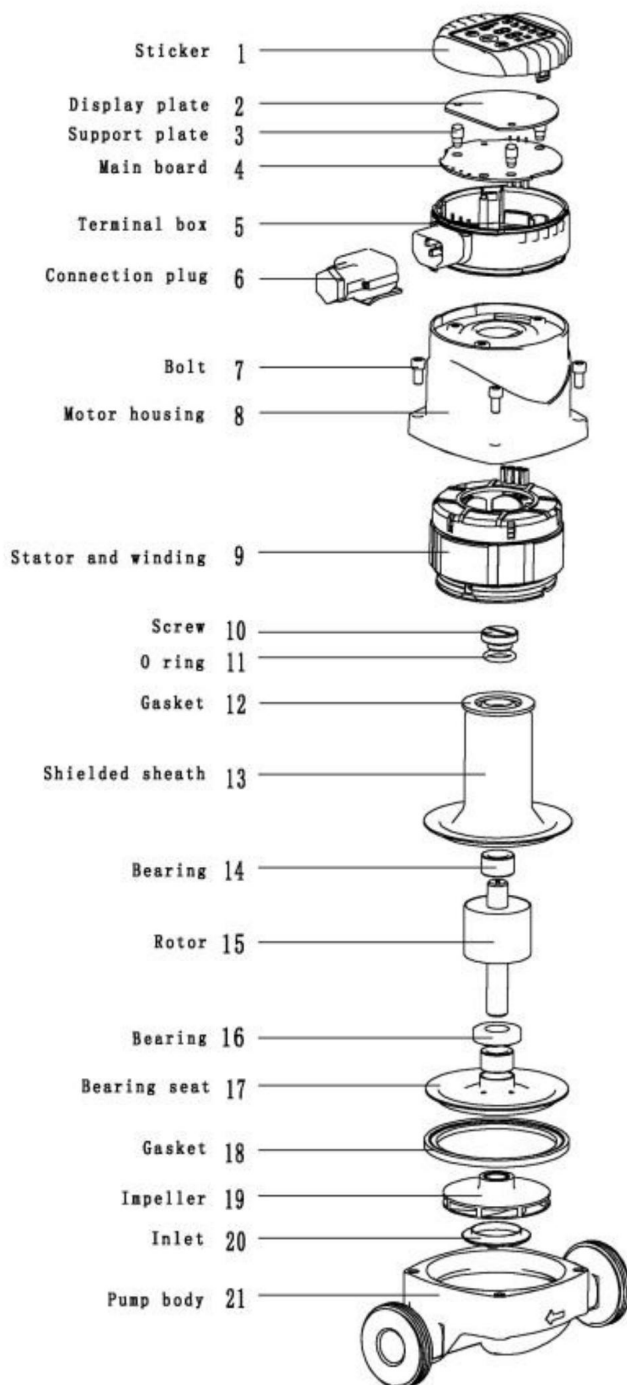
3) There is noise in the pump	Display a value	A)There's a gas in the pump B)Low inlet pressure	A)after running for a period of time,the pump will automatically exhaust see section 10.2 B)Increase inlet pressure.If expansion tank is installed,check the air volume.
4)shortage of heat	Display a value	Low pump performance	A) Increase inlet pressure of pump B) See chapter 11

PARAMETRY SPECYFIKACYJNE

Model	Wejście	Maksymalny przepływ [l/min]	Maksymalna głowa [M]	Rozmiar wylotu
LPS25-4BP/180	Prąd zmienny 220-240 V 50 Hz	50	4	1-1/2"
LPS25-6BP/180	Prąd zmienny 220-240 V 50 Hz	60	6	1-1/2"
LPS25-8BP/180	Prąd zmienny 220-240 V 50 Hz	67	8	1-1/2"

Instrukcje





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CIRCULATIEPOMP INSTRUCTIES

Wij streven er voortdurend naar om u gereedschappen tegen concurrerende prijzen te leveren.

"Save Half", "Half Price" of andere soortgelijke uitdrukkingen die wij gebruiken, geven alleen een schatting van de besparingen die u kunt behalen door bepaalde gereedschappen bij ons te kopen in vergelijking met de grote topmerken en betekent niet noodzakelijkerwijs dat alle categorieën gereedschappen die wij aanbieden, worden gedekt. Wij herinneren u eraan om zorgvuldig te controleren of u daadwerkelijk de helft bespaart in vergelijking met de grote topmerken wanneer u een bestelling bij ons plaatst.

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CIRCULATIEPOMP

Model: LPS25-4BP/180, LPS25-6BP/180, LPS25-8BP/180



(De afbeelding is alleen ter referentie, kijk naar het daadwerkelijke object)

HULP NODIG? NEEM CONTACT MET ONS OP!

Heeft u vragen over het product? Heeft u technische ondersteuning nodig? Neem dan gerust contact met ons op.

Neem contact met ons op:

Technische ondersteuning en e-garantie Certificaat
www.vevor.com/support

Dit is de originele instructie, lees alle handleidingen zorgvuldig door voordat u het product gebruikt. VEVOR behoudt zich een duidelijke interpretatie van onze gebruikershandleiding voor. Het uiterlijk van het product is afhankelijk van het product dat u hebt ontvangen. Vergeef ons dat we u niet opnieuw zullen informeren als er technologie- of software-updates voor ons product zijn.



Waarschuwing: om het risico op letsel te verkleinen, moet de gebruiker de gebruiksaanwijzing zorgvuldig lezen.



Correcte verwijdering

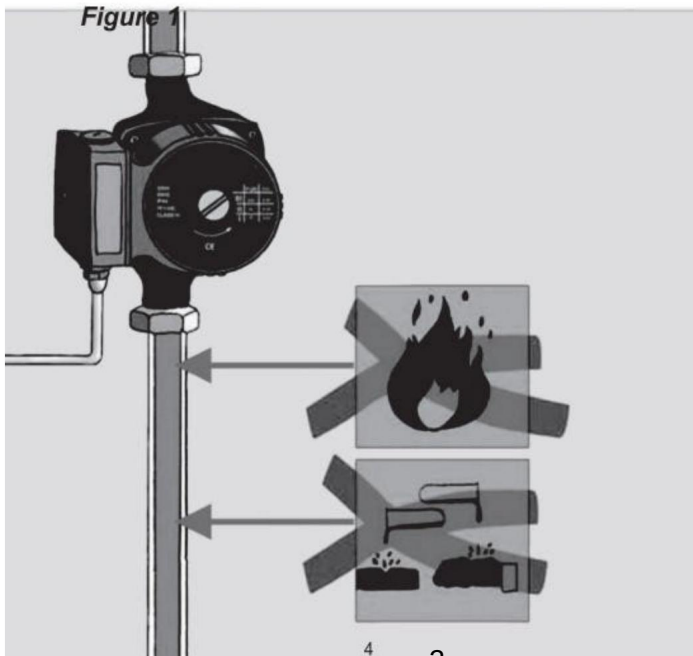
Dit product is onderworpen aan de bepalingen van de Europese richtlijn 2012/19/EU. Het symbool met een doorgestreepte afvalbak geeft aan dat het product in de Europese Unie gescheiden afvalinzameling vereist. Dit geldt voor het product en alle accessoires die met dit symbool zijn gemarkeerd. Producten die als zodanig zijn gemarkeerd, mogen niet met het normale huishoudelijke afval worden weggegooid, maar moeten worden ingeleverd bij een inzamelpunt voor recycling van elektrische en elektronische apparaten.

AANDACHT

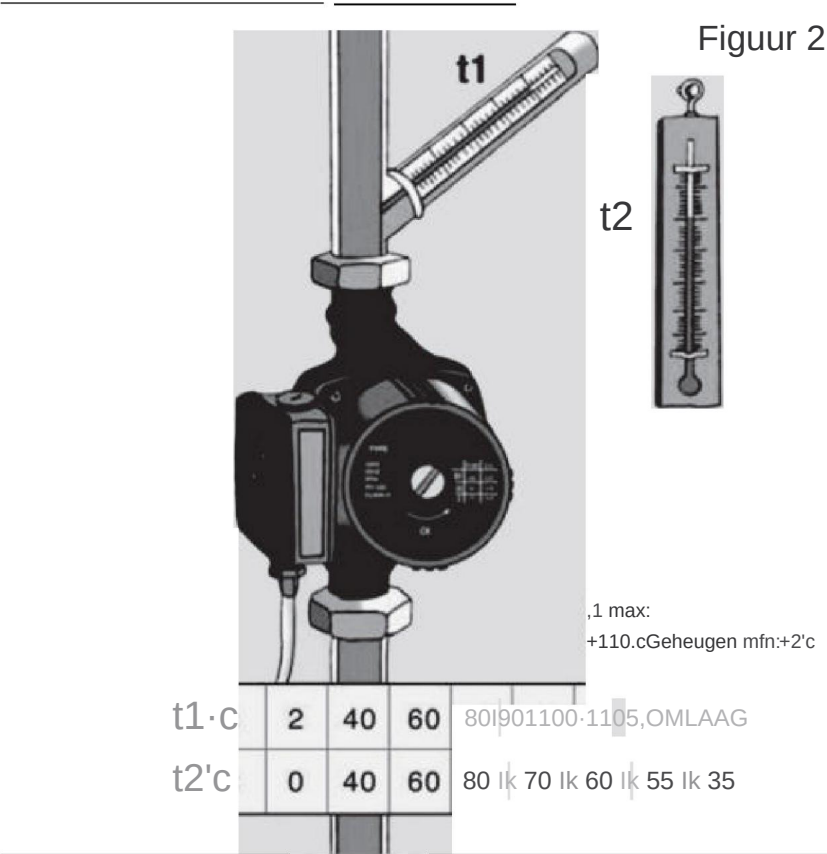
Circulation Pump

1. Using condition

- This pump uses water or liquid to lubricate. Therefore in the condition of no-water or no-liquid, operating shall not be exceed 10 seconds. (Figure 1)



t_1 =pijptemperatuur
 t_2 =omgevingstemperatuur
(Figuur 2)



2.Installatie

- Het is niet toegestaan om de motor ondersteboven of met de motor naar beneden te installeren, om te voorkomen dat er vloeistof in de motor lekt, wat kortsluiting en doorbranden van de motor kan veroorzaken (Figuur 3)
- In het kussen plaatsen, de buisfittingen vastschroeven, de waterpomp bevestigen (Figuur 4)

Figure 3

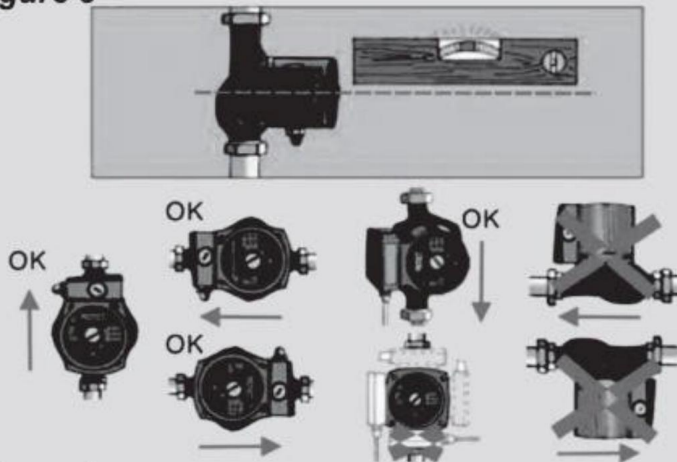
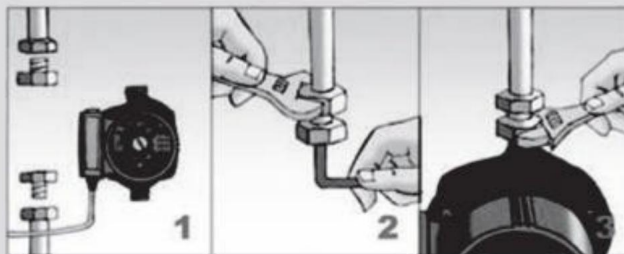
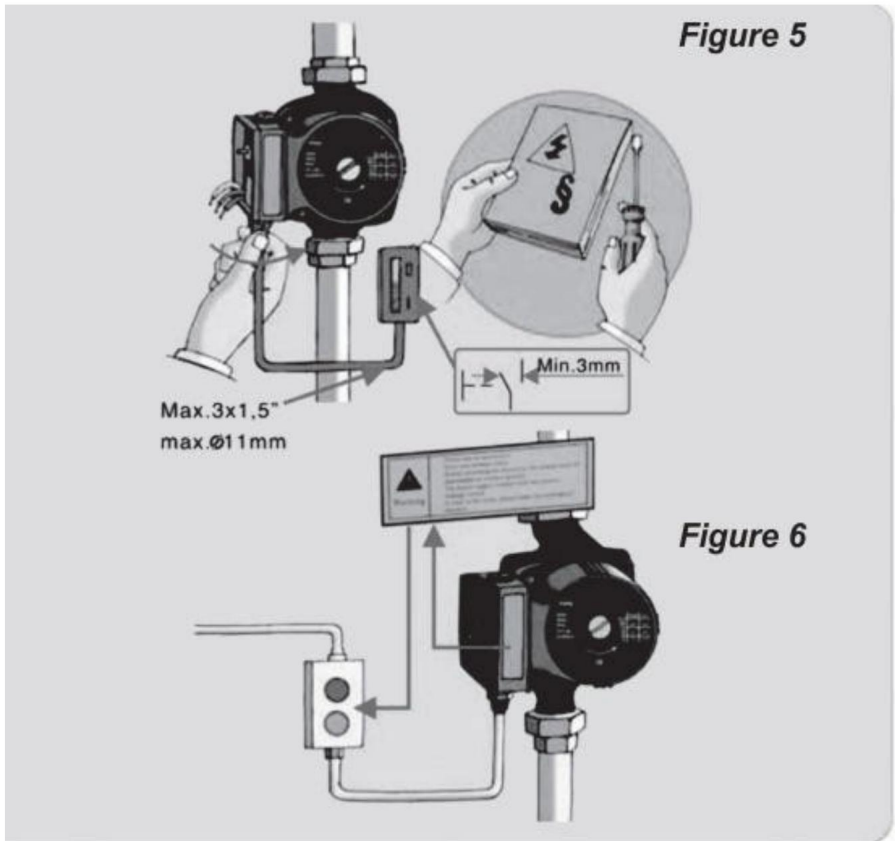


Figure 4



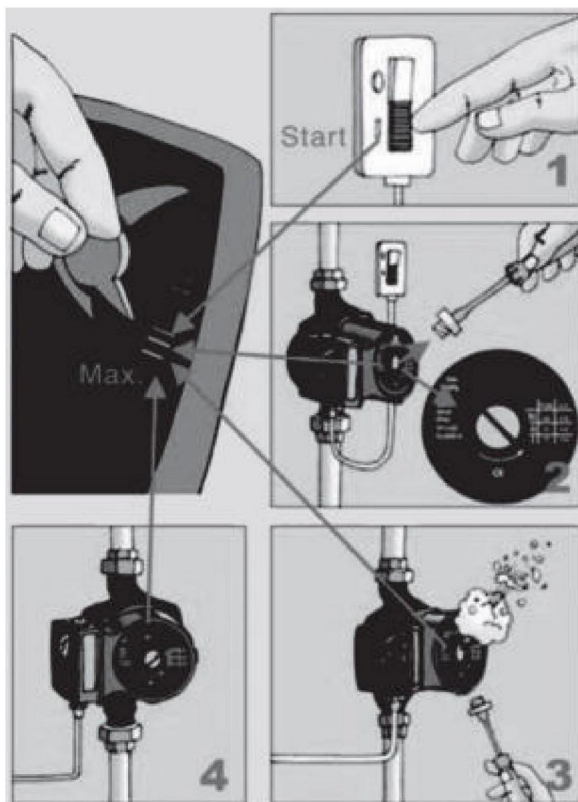
- Het stopcontact moet geaard zijn. De aardingsstekker van de machine mag niet zonder toestemming worden gewijzigd. (Figuur 5)
- Lees de waarschuwingen zorgvuldig door (Figuur 6)



Start de motor, zet de schakelaar op 'open' en draai vervolgens de
luchtschroef los om te ontluchten.

(Figuur 7)

Figuur 7



Fault	Cause	Remedy
Pump fails to start	Supply failure.	Check fuses and possible loose electrical connections
	Capacitor is defective	Replace the capacitor.
	Pump blocked due to furred bearings.	Change over to maximum speed for a short period or free the rotor with a screwdriver inserted in the slot of the shaft end
	Impurities in the pump.	Dismantle and clean the pump.
Noise in the system	Pump flow setting is too high	Change over to a lower speed.
	Air in the system.	Vent the system.
Noise in the pump.	Air in the pump	Vent the pump.
	Inlet pressure too low	Increase the inlet pressure or check the air volume in the expansion tank (if installed).

Hart-bij Bij hoge watertemperaturen en systeemdrukken, sluit u de afsluitkleppen beide pomppoorten. Laat de pomp eerst afkoelen.

Lawaai

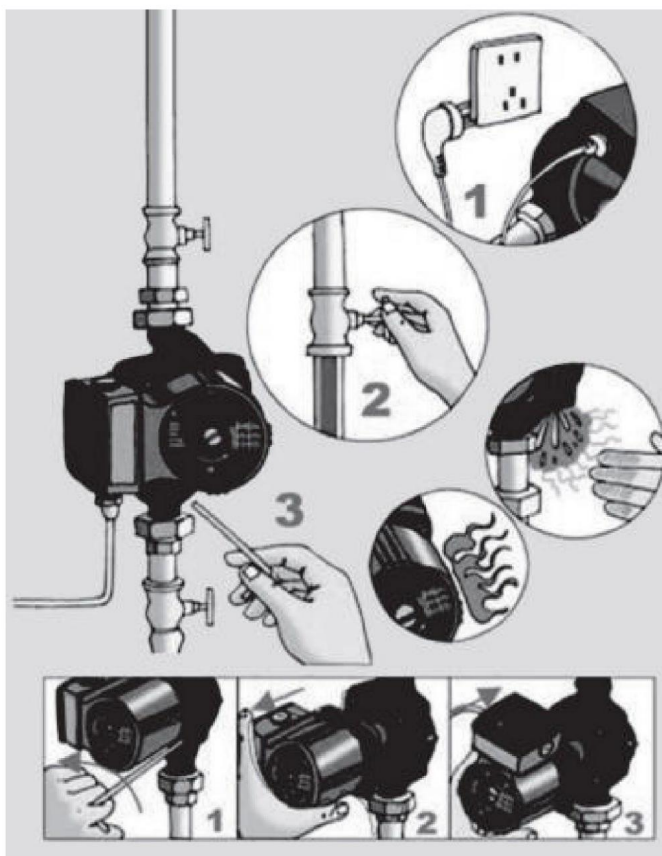
- Cavitatie door onvoldoende inlaatdruk: maatregelen ter bestrijding:
- Verhoog de systeemdruk binnen de toegestane grenzen.
- Controleer de snelheidsinstelling, indien nodig, pas deze aan naar een lagere snelheidsinstelling

Als het defect niet kan worden gevonden of verholpen, neem dan contact op met uw dichtstbijzijnde vertegenwoordiger.

3. Demonteren en repareren

Voordat u gaat repareren, moet u eerst de stekker eruit trekken, de stroom uitschakelen, de inlaatklep sluiten, de schroef verwijderen en vervolgens de beschadigde onderdelen verwijderen. (Figuur 8)

Figuur 8



6.THE CONTROL PANEL

CATALOGUE

6.1 Components on the control panel

6.2 Display

6.3 Show the trooper area of the pump setting

6.4 Light area in automatic night mode

6.5 The button to enable night mode

6.6The button to start the pump setting

6.1 Components on the control panel



Figure 7 THE CONTROL PANEL

The variable frequency pump control panel includes

NO.	Instructions
1	A display that displays the actual power consumed by a pump in watts
2	8 light areas for the pump setting
3	Light area in night mode
4	The button to enable night mode
5	The button for pump Settings

6.2 Display

When the power is turned on, the display at position 1 will work.

WARNING



During operation, the display value to Watt as a unit, showing the actual power consumption of the pump.

A fault that prevents the pump from working properly (for example, a blockage) is indicated on the display as "--".

If there is a failure, you must disconnect the power supply, in order to troubleshoot, after the failure, re-connect the power supply and start the pump.

6.3 show the light area set by the pump

Vevor intelligent has eight kinds of settings and can be selected by button. please refer to figure 7, the position 5.

Pump settings are represented by eight different lighting areas, as shown in figure 8.

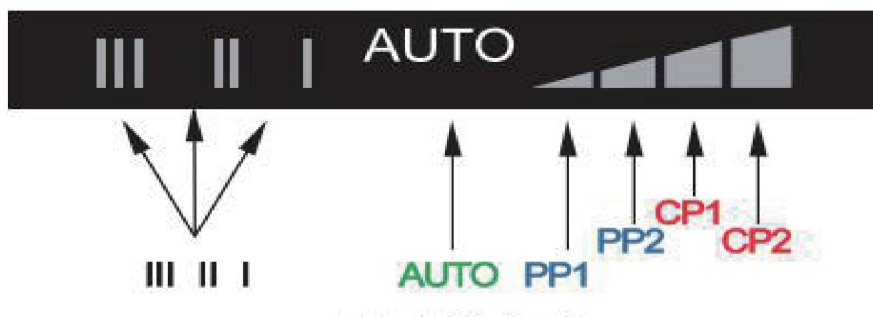


Figure 8 eight lighting areas

Button count	lighting area	instruction
0	AUTO(the factor set up)	Automatic Adaptation
1	PP1	Minimum proportional pressure curve
2	PP2	Maximum proportional pressure curve
3	CP1	Minimum constant pressure curve
4	CP2	Maximum constant pressure curve
5	III	Constant velocity curve, speed
6	II	Constant velocity curve, speed
7	I	Constant velocity curve, speed
8	AUTO	Automatic Adaptation

For a detailed description of the setting function, see Chapter 11, 《pump setting and pump performance》

6.4 Represents a lighting area in automatic night mode

Denoted by ☀ , See figure 7, Position 3. The light indicates that automatic night mode is enabled. See Section 6.5 for 《the button to activate automatic night mode》。

6.5 Button to start automatic night mode

This button, shown in figure 7, at position 4, Turn on /off automatic night mode.

The automatic night mode feature is only available for heating systems with this feature, see Chapter 8, 《automatic night mode》。

The automatic night mode function starts when the lighting area ☀ light up,.

Factory settings: automatic night mode function **is not set**.

If the intelligent pump has been set speed 1 mode, speed || or speed ||| mode , auto night mode cannot be selected.

6.6 Select the pump setting button

Each press of the button once, as shown in figure 7, Position 5, the pump setting changes a mode.

For a cycle of eight presses, see section 6.3, «indicating the light area of the pump setting»

7 pump setting

Catalogue

7.1 Set up the water pump according to the system type



7.2 pump control

7.1 Set up the water pump according to the system type

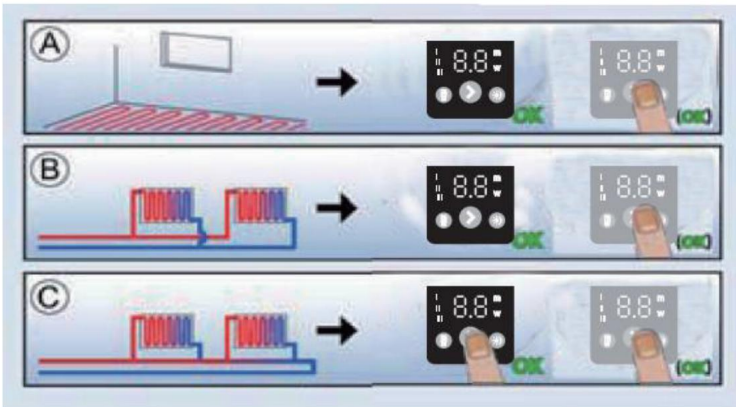


Figure 9 selection of pump settings by system type

Factory setting auto=adapting mode

Several optional pump settings are recommended, as shown in figure 9 :

Position	system type	pump setting	
		Optimal Setting	Or other optional settings
A	Floor Heating System	AUTO	Maximum constant pressure curve (CP2mode)
			Or Minimum constant pressure curve(CP1 mode)
B	Double-pipe heating system	AUTO	Maximum proportional pressure curve (PP2mode)
C	Single pipe heating system		
			(PP1mode) (PP2mode)

* See Section 14.1, 《guide to performance curves》

AUTO (Adaptive mode) Heating System installed under the floor and double pipe system

AUTO (Adaptive mode) According to the actual heat demand of the system, automatically adjust the pump performance. As the performance is gradually adjusted, it is recommended that the pump be placed in "AUTO" mode for at least one week before changing its setting. If you choose to change back to "auto" mode, the intelligent pump can remember the vaguely auto-adaptive mode setting point, continue to automatically adjust the performance.

Pump setting changed from optimal to other optional settings

Heating Systems are "slow" systems that can not operate optimally in minutes or hours. If the optimal setting of the pump fails to achieve the desired heat distribution in each room, the pump setting should be changed to other settings.

For the relationship between pump settings and performance curves, see Chapter 11 《pump settings and pump performance》。

7.2 Pump control

During the operation of the pump, the pump is controlled according to the principle of "proportional pressure control" (PP) or "constant pressure control" (CP)。

Under these two control modes, the pump performance and corresponding power consumption are adjusted according to the heat demand of the system.

Proportional pressure control

Under these two control modes, the pressure difference between the two ends of the pump is controlled by the flow rate. The proportional pressure curve is shown in the Q/H diagram in PP1 and PP2, see Chapter 11 «pump settings and pump performance»

Constant pressure control

In this control mode, the pressure difference between the two ends of the pump remains constant regardless of the flow rate.

Constant pressure curves CP1 and CP2 indicate a horizontal performance curve in the Q / h diagram.see Chapter 11 «pump settings and pump performance»

8Automatic night mode

8.1 Basic principles of automatic night mode

8.2Automatic night mode function

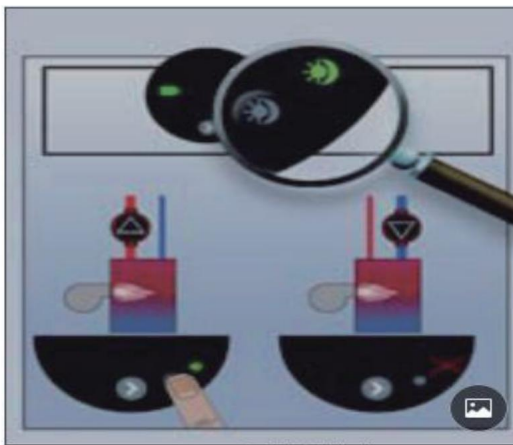


Figure 10 automatic night mode

FAILURE CHECKLIST

WARNING



Zorg ervoor dat de stroom is losgekoppeld en niet per ongeluk kan worden ingeschakeld voordat er onderhouds- en reparatiewerkzaamheden aan de pomp worden uitgevoerd.

1.		b)C) pump failure 5)The voltage may be too low b)water pump jam	A) Replace fuse B) C) Check whether the power supply is within the specified range D) Remove the impurity
----	--	--	---

Failure check list	Control over panel	cause	Elimination methods
1. Water pump cannot start	Light out	a)A fuse blew out in the equipment	Replace fuse

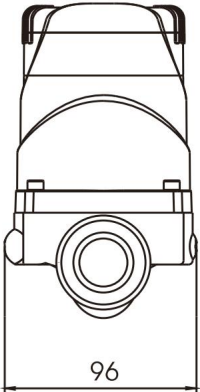
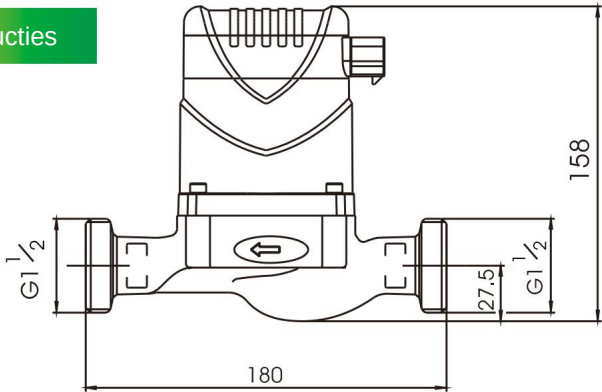
		b)The current controller or voltage-controlled circuit breaker is disconnected	Switch on
		c)water pump jam	Replace the water pump
		a)The voltage may be too low	E) Check whether the power supply is within the specified range
		b)Pump blocked	Remove the impurity
		a)There's a gas in the system	Exhaust the system
2. There is noise in the system	Display a value		See section 10.3, exhaust for heating system
			Reduce inlet pressure of pump
		b)Excess flow	Chapter 11 "pump setting and pump performance"

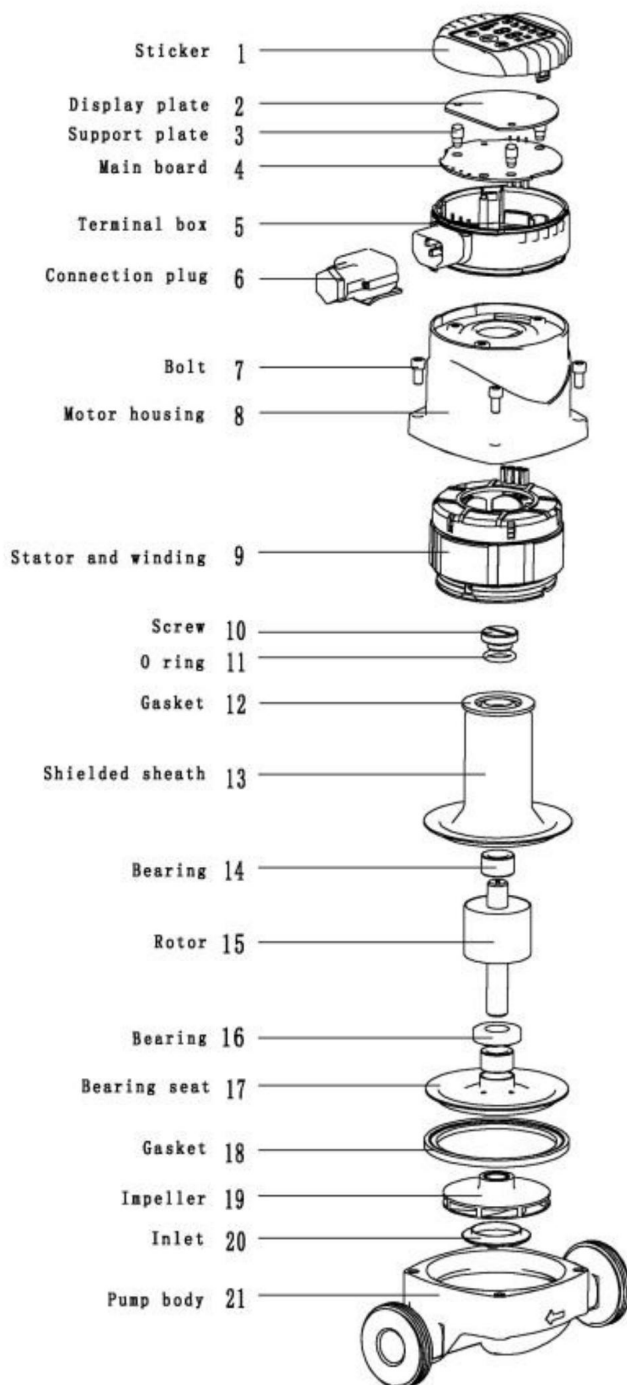
3) There is noise in the Display a value pump	A)There's a gas in the pump B)Low inlet pressure	A)after running for a period of time,the pump will automatically exhaust see section 10.2 B)Increase inlet pressure.If expansion tank is installed,check the air volume.
4)shortage of heat Display a value	Low pump performance	A) Increase inlet pressure of pump B) See chapter 11

SPECIFICATIEPARAMETERS

Model	Invoer	Maximale stroom [l/min]	Max Hoofd [M]	Uitlaatmaat
LPS25-4BP/180	AC220-240V 50 Hz	50	4	1-1/2"
LPS25-6BP/180	AC220-240V 50 Hz	60	6	1-1/2"
LPS25-8BP/180	AC220-240V 50 Hz	67	8	1-1/2"

Instructies





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CIRKULATORPUMP INSTRUKTIONER

Vi fortsätter att vara engagerade i att ge dig verktyg till konkurrenskraftiga priser.

"Spara hälften", "halva priset" eller andra liknande uttryck som används av oss representerar bara en uppskattning av besparingar du kan dra nytta av att köpa vissa verktyg hos oss jämfört med de stora toppmärkena och betyder inte nödvändigtvis att täcka alla kategorier av verktyg som erbjuds av oss.

Du påminns vänligen om att noggrant kontrollera när du gör en beställning hos oss om du faktiskt sparar hälften i jämförelse med de främsta stora varumärkena.

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CIRKULATORPUMP

Modell: LPS25-4BP/180, LPS25-6BP/180, LPS25-8BP/180



(Bilden är endast för referens, se det faktiska objektet)

BEHÖVER HJÄLP? KONTAKTA OSS!

Har du produktfrågor? Behöver du teknisk support? Du får gärna kontakta oss:

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Detta är den ursprungliga instruktionen, läs alla instruktioner noggrant innan du använder den. VEVOR reserverar sig för en tydlig tolkning av vår användarmanual. Utseendet på produkten är beroende av den produkt du fått. Ursäkta oss att vi inte kommer att informera dig igen om det finns någon teknik eller mjukvaruuppdateringar på vår produkt.



Varning - För att minska risken för skada måste användaren läsa instruktionerna noggrant.



Korrekt

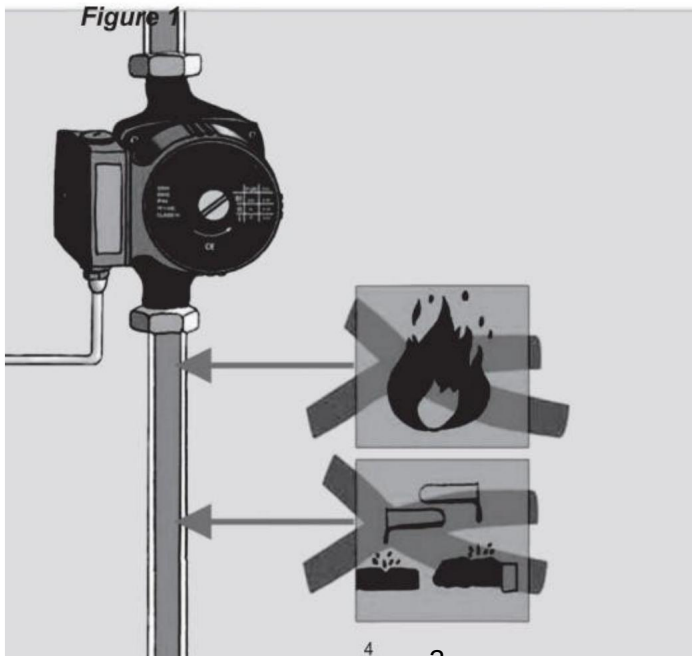
avfallshantering Denna produkt omfattas av bestämmelserna i det europeiska direktivet 2012/19/EU. Symbolen som visar en soptunna korsad anger att produkten kräver separat sophämtning i EU. Detta gäller för produkten och alla tillbehör märkta med denna symbol. Produkter märkta som sådana får inte slängas tillsammans med vanligt hushållsavfall, utan måste lämnas till en insamlingsplats för återvinning av elektriska och elektroniska apparater.

UPPMÄRKSAMHET

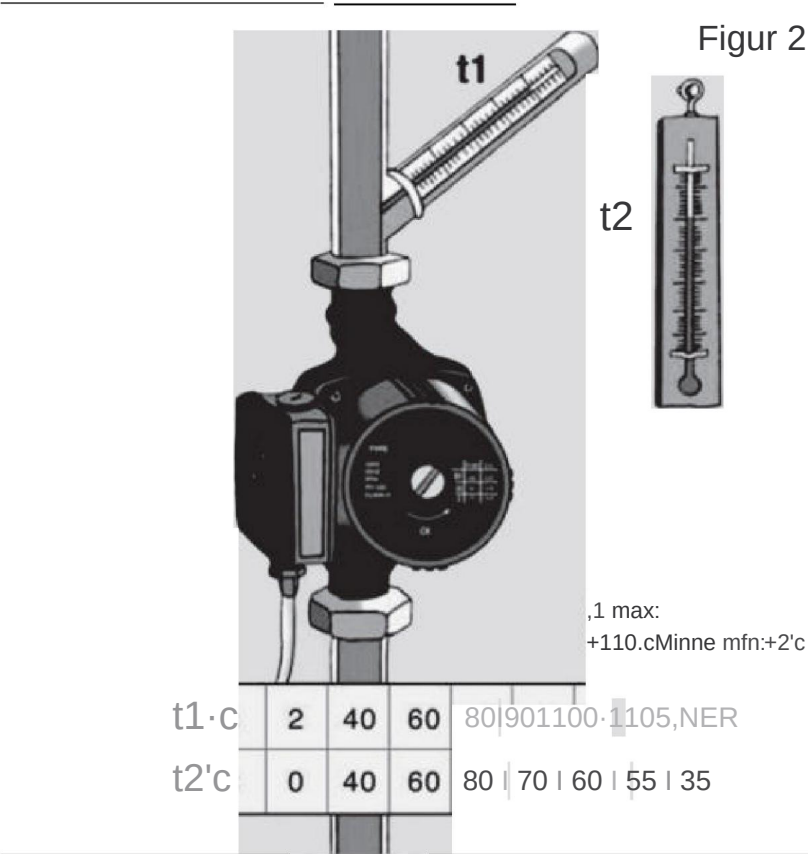
Circulation Pump

1. Using condition

- This pump uses water or liquid to lubricate.
Therefore in the condition of no-water or no-liquid, operating shall not be exceed 10 seconds.
(Figure 1)



yt1=rörtemperatur
t2=omgivningstemperatur
(Figur 2)



2.Installation

- Förbjud att installera upp och ner eller motor nedåt, för att undvika att vätskeläckage kommer in i motorns inre, vilket orsakar kortslutning och motorbränning (Figur 3)
- Sätta i dynan, skruva på rörkopplingarna, fixa vattenpumpen (Figur 4)

Figure 3

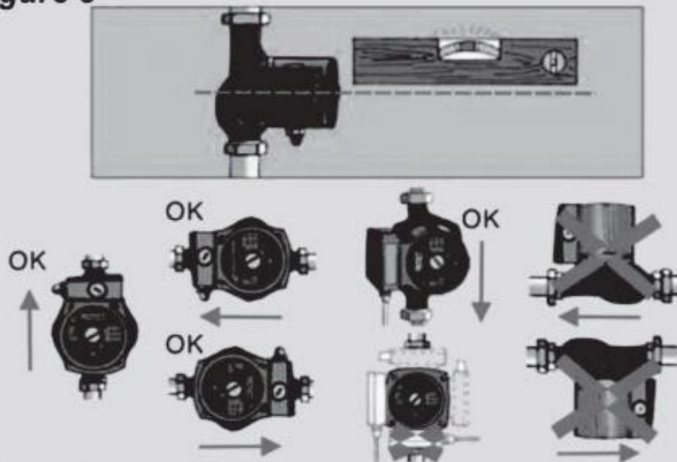
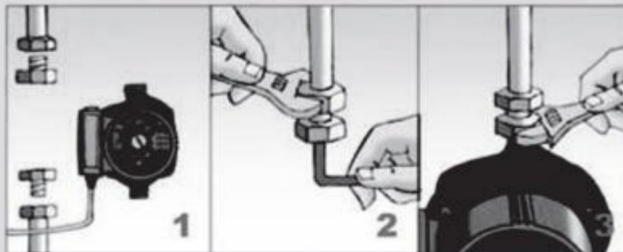
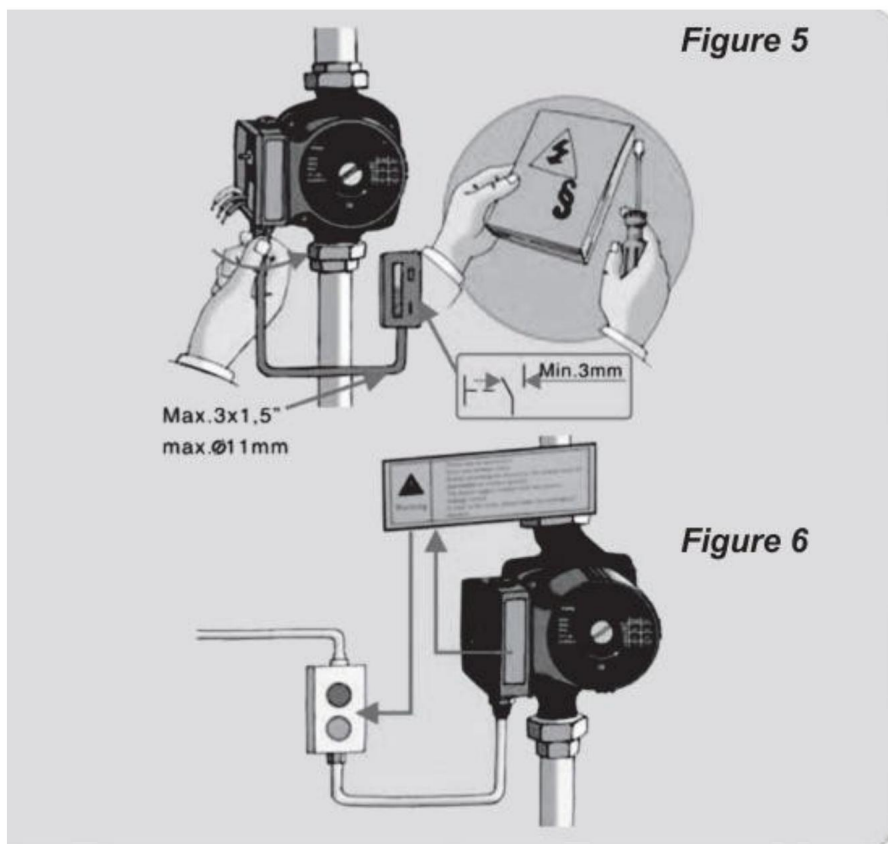


Figure 4

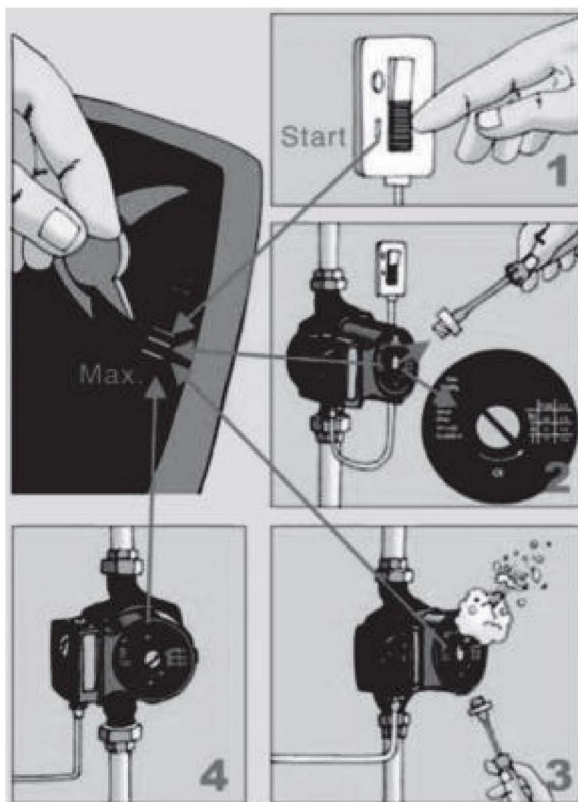


- Strömuttaget måste vara jordat. Får inte modifieras på maskinens jordkontakt utan tillstånd.(Figur 5)
- Läs varningarna noggrant (Figur 6)



Stärk strömmen, vrid strömbrytaren till högastighet och lossa sedan
luftskruven för avluftning.
(Figur 7)

Bild 7



Fault	Cause	Remedy
Pump fails to start	Supply failure.	Check fuses and possible loose electrical connections
	Capacitor is defective	Replace the capacitor.
	Pump blocked due to furred bearings.	Change over to maximum speed for a short period or free the rotor with a screwdriver inserted in the slot of the shaft end
	Impurities in the pump.	Dismantle and clean the pump.
Noise in the system	Pump flow setting is too high	Change over to a lower speed.
	Air in the system.	Vent the system.
Noise in the pump.	Air in the pump	Vent the pump.
	Inlet pressure too low	Increase the inlet pressure or check the air volume in the expansion tank (if installed).

Heart-At höga vattentemperaturer och systemtryck, stäng avstängningsventilerna på båda pumpportarna. Låt först pumpen svalna.

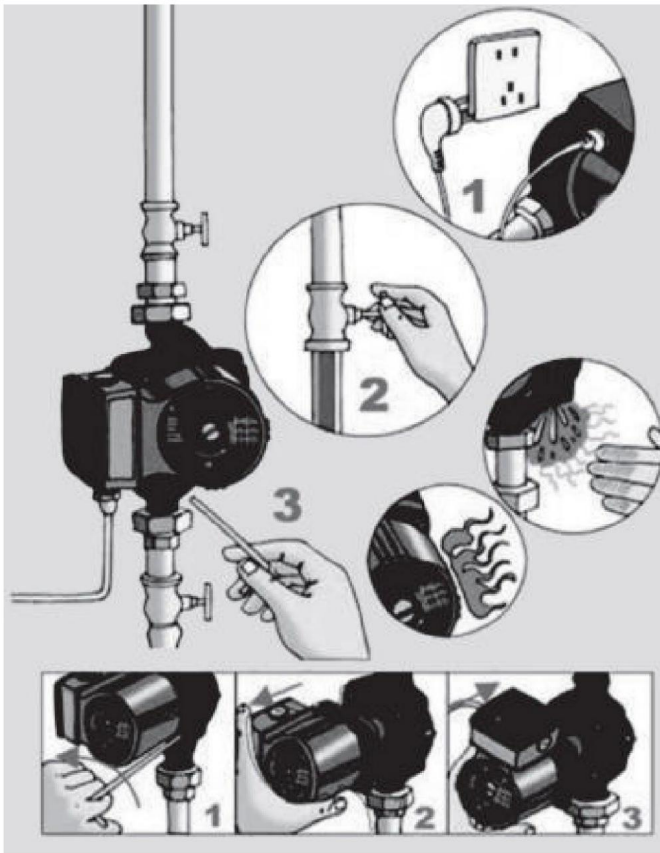
Buller

- Kavitation på grund av otillräckligt inloppstryck korrigerande åtgärder:
 - Öka systemtrycket inom tillåtna gränser.
 - Kontrollera hastighetsinställningen, justera vid behov till en lägre hastighetsinställning
- Om felet inte kan lokaliseras eller åtgärdas, kontakta din närmaste representant.

3. Ta isär och reparera

• Innan du reparerar måste du först dra ut kontakten, stänga av strömmen och stänga inloppsventilen, ta bort skruven och ta sedan ut de skadade delarna.(Figur 8)

Bild 8



6.THE CONTROL PANEL

CATALOGUE

6.1 Components on the control panel

6.2 Display

6.3 Show the trooper area of the pump setting

6.4 Light area in automatic night mode

6.5 The button to enable night mode

6.6The button to start the pump setting

6.1 Components on the control panel



Figure 7 THE CONTROL PANEL

The variable frequency pump control panel includes

NO.	Instructions
1	A display that displays the actual power consumed by a pump in watts
2	8 light areas for the pump setting
3	Light area in night mode
4	The button to enable night mode
5	The button for pump Settings

6.2 Display

When the power is turned on, the display at position 1 will work.

WARNING



During operation, the display value to Watt as a unit, showing the actual power consumption of the pump.

A fault that prevents the pump from working properly (for example, a blockage) is indicated on the display as "--".

If there is a failure, you must disconnect the power supply, in order to troubleshoot, after the failure, re-connect the power supply and start the pump.

6.3 show the light area set by the pump

Vevor intelligent has eight kinds of settings and can be selected by button. please refer to figure 7, the position 5.

Pump settings are represented by eight different lighting areas, as shown in figure 8.

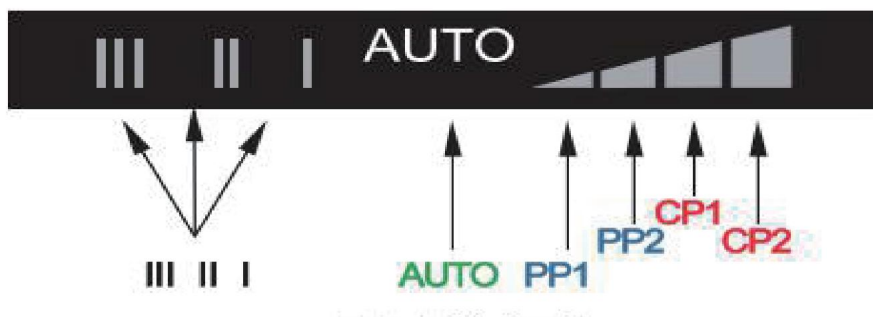


Figure 8 eight lighting areas

Button count	lighting area	instruction
0	AUTO(the factor set up)	Automatic Adaptation
1	PP1	Minimum proportional pressure curve
2	PP2	Maximum proportional pressure curve
3	CP1	Minimum constant pressure curve
4	CP2	Maximum constant pressure curve
5	III	Constant velocity curve, speed
6	II	Constant velocity curve, speed
7	I	Constant velocity curve, speed
8	AUTO	Automatic Adaptation

For a detailed description of the setting function, see Chapter 11, 《pump setting and pump performance》

6.4 Represents a lighting area in automatic night mode

Denoted by ☀ , See figure 7, Position 3. The light indicates that automatic night mode is enabled. See Section 6.5 for 《the button to activate automatic night mode》。

6.5 Button to start automatic night mode

This button, shown in figure 7, at position 4, Turn on /off automatic night mode.

The automatic night mode feature is only available for heating systems with this feature, see Chapter 8, 《automatic night mode》。

The automatic night mode function starts when the lighting area ☀ light up,.

Factory settings: automatic night mode function **is not set**.

If the intelligent pump has been set speed 1 mode, speed II or speed III mode, auto night mode cannot be selected.

6.6 Select the pump setting button

Each press of the button once, as shown in figure 7, Position 5, the pump setting changes a mode.

For a cycle of eight presses, see section 6.3, «indicating the light area of the pump setting»

7 pump setting

Catalogue

7.1 Set up the water pump according to the system type



7.2 pump control

7.1 Set up the water pump according to the system type

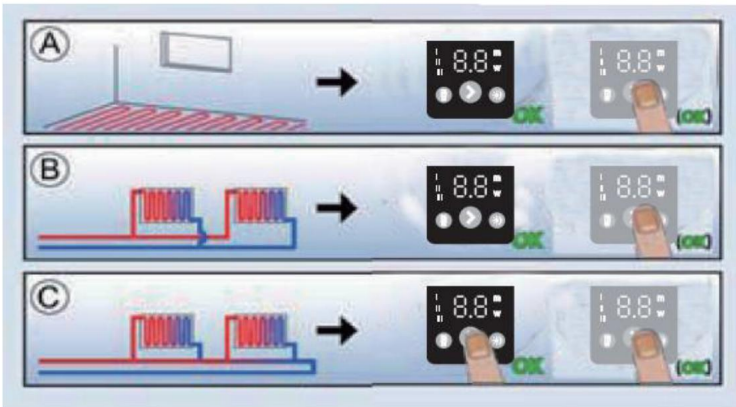


Figure 9 selection of pump settings by system type

Factory setting auto=adapting mode

Several optional pump settings are recommended, as shown in figure 9 :

Position	system type	pump setting	
		Optimal Setting	Or other optional settings
A	Floor Heating System	AUTO	Maximum constant pressure curve (CP2mode)
			Or Minimum constant pressure curve(CP1 mode)
B	Double-pipe heating system	AUTO	Maximum proportional pressure curve (PP2mode)
C	Single pipe heating system		
			(PP1mode) (PP2mode)

* See Section 14.1, 《guide to performance curves》

AUTO (Adaptive mode) Heating System installed under the floor and double pipe system

AUTO (Adaptive mode) According to the actual heat demand of the system, automatically adjust the pump performance. As the performance is gradually adjusted, it is recommended that the pump be placed in "AUTO" mode for at least one week before changing its setting. If you choose to change back to "auto" mode, the intelligent pump can remember the vaguely auto-adaptive mode setting point, continue to automatically adjust the performance.

Pump setting changed from optimal to other optional settings

Heating Systems are "slow" systems that can not operate optimally in minutes or hours. If the optimal setting of the pump fails to achieve the desired heat distribution in each room, the pump setting should be changed to other settings.

For the relationship between pump settings and performance curves, see Chapter 11 《pump settings and pump performance》。

7.2 Pump control

During the operation of the pump, the pump is controlled according to the principle of "proportional pressure control" (PP) or "constant pressure control" (CP)。

Under these two control modes, the pump performance and corresponding power consumption are adjusted according to the heat demand of the system.

Proportional pressure control

Under these two control modes, the pressure difference between the two ends of the pump is controlled by the flow rate. The proportional pressure curve is shown in the Q/H diagram in PP1 and PP2, see Chapter 11 «pump settings and pump performance»

Constant pressure control

In this control mode, the pressure difference between the two ends of the pump remains constant regardless of the flow rate.

Constant pressure curves CP1 and CP2 indicate a horizontal performance curve in the Q / h diagram.see Chapter 11 «pump settings and pump performance»

8Automatic night mode

8.1 Basic principles of automatic night mode

8.2Automatic night mode function

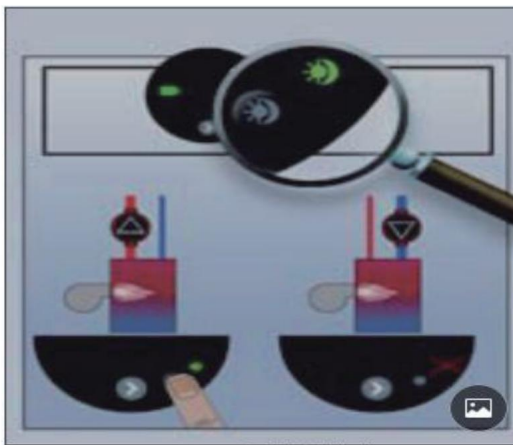


Figure 10 automatic night mode

FAILURE CHECKLIST

WARNING



Se till att strömmen är frånkopplad och inte kommer att slås på av misstag innan något underhålls- och reparationsarbete utförs på pumpen

1.		b)C) pump failure 5)The voltage may be too low b)water pump jam	A) Replace fuse B) C) Check whether the power supply is within the specified range D) Remove the impurity
----	--	--	---

Failure check list	Control over panel	cause	Elimination methods
--------------------	--------------------	-------	---------------------

1. Water pump cannot
start

Light out

a)A fuse blew out in the
equipment

Replace fuse

b)The current controller
or voltage-controlled
circuit breaker is
disconnected

Switch on

c)water pump jam

Replace the water
pump

a)The voltage may be
too low

E) Check whether the
power supply is within
the specified range



b)Pump blocked

Remove the impurity

a)There's a gas in the
system
Exhaust the system
See section 10.3,
exhaust for heating
system

2. There is noise in the
system

Display a value

Reduce inlet pressure
of pump

b)Excess flow

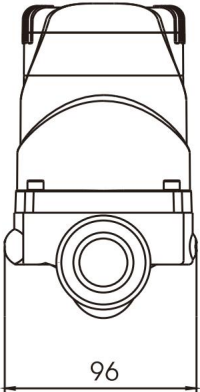
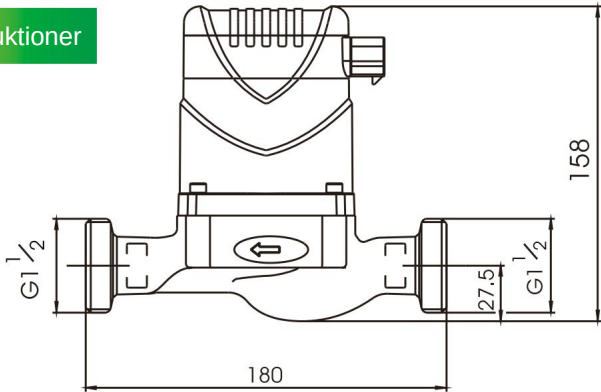
Chapter 11 "pump
setting and pump
performance"

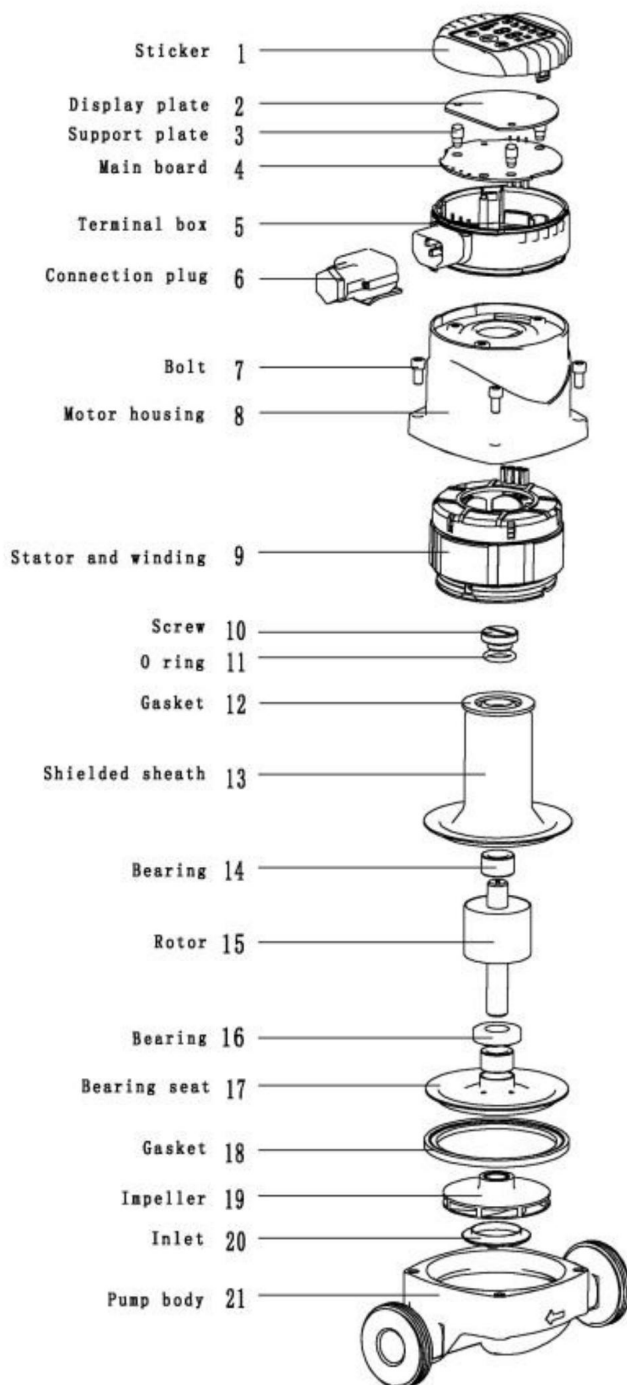
3) There is noise in the Display a value pump	A)There's a gas in the pump B)Low inlet pressure	A)after running for a period of time,the pump will automatically exhaust see section 10.2 B)Increase inlet pressure.If expansion tank is installed,check the air volume.
4)shortage of heat Display a value	Low pump performance	A) Increase inlet pressure of pump B) See chapter 11

SPECIFIKATIONSPARAMETRAR

Modell	Input	Max flöde [l/min]	Max Head [m]	Uttagsstorlek
LPS25-4BP/180	AC220-240V 50HZ	50	4	1-1/2"
LPS25-6BP/180	AC220-240V 50HZ	60	6	1-1/2"
LPS25-8BP/180	AC220-240V 50HZ	67	8	1-1/2"

Instruktioner





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