

VEVOR®

TOUGH TOOLS, HALF PRICE

Technical Support and E-Warranty Certificate www.vevor.com/support

SHIELD TYPE CIRCULATION PUMP

MODEL:15PBG-6, 20PBG-12, 15PBG-9

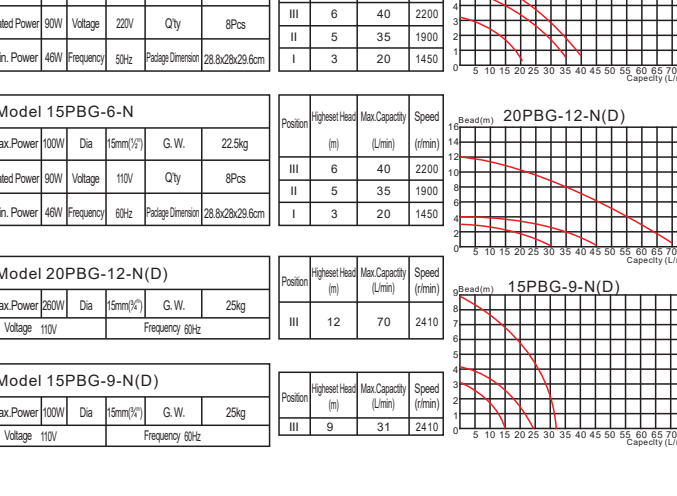
We continue to be committed to provide you tools with competitive price.
"Save Half", "Half Price" or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and does not necessarily mean to cover 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.

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MODEL:15PBG-6, 20PBG-12, 15PBG-9



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.

- 1 -

	Warning-To reduce the risk of injury, user must read instructions manual carefully.
	This product is subject to the provision of European Directive 2012/19/EC. The symbol showing a wheeled 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

Model 15PBG-6-N						15PBG-6-N					
Max.Power 100W	Da 15mm(1/2")	G.W. 22.9g	Position	Height/Head [m]	Max.Capacity [L/min]	Speed (r/min)					
Rated Power 30W	Voltage 220V	QTY 8Pcs	III	6	40	2200					
Min. Power 48W	Frequency 50Hz	Package Dimension 28.8x28x28cm	II	5	35	1900					
			I	3	20	1450					

Model 15PBG-6-N						20PBG-12-N(D)					
Max.Power 100W	Da 15mm(1/2")	G.W. 22.9g	Position	Height/Head [m]	Max.Capacity [L/min]	Speed (r/min)					
Rated Power 30W	Voltage 110V	QTY 8Pcs	III	6	40	2200					
Min. Power 48W	Frequency 50Hz	Package Dimension 28.8x28x28cm	II	5	35	1900					
			I	3	20	1450					

Model 20PBG-12-N(D)						15PBG-9-N(D)					
Max.Power 300W	Da 15mm(1/2")	G.W. 25g	Position	Height/Head [m]	Max.Capacity [L/min]	Speed (r/min)					
Rated Power 110W	Voltage 110V	Frequency 50Hz	III	12	70	2410					

Model 15PBG-9-N(D)											
Max.Power 100W	Da 15mm(1/2")	G.W. 25g	Position	Height/Head [m]	Max.Capacity [L/min]	Speed (r/min)					
Rated Power 30W	Voltage 110V	Frequency 50Hz	III	9	31	2410					

- 2 -

Dear our customer:

Thank you for your purchase this series water pump and hereby we celebrate your water using problem can be completely solved. When u first use this kind pump, please read this instruction carefully and well keep it. As the instruction guide, u will use them correctly and elaborate all the best features and efficiency, no fault, to increase the using span. Our company's products will be continuous develop and create, if your purchase pump is not same as the instruction's structure, performance and specification, please following the pump Nameplate.

⚠️ SPECIAL WARNING

Before using, the pump must be reliable earth touch. Don't change the three-core wiring plug to avoid the power leakage. To make sure everything safe, please u must install some security measures, such as: the power leakage-breaker or electric shock blocker and so on.

1. Earth wiring and nil wiring must be separated. If no reliable earth wiring, the accident will be no business with us.

This type water pump's plug feet, if "L" is Live Wiring, "N" is Nil Wiring, the longest one is "E" earth touch wiring. Customer must pay attention to the connection to the plug, when you install the three-core socket.

Here we absolutely forbid u: unite the Nil wiring and Earth Wiring together, which can make power leakage dangerous.

2. Don't use blanket cover the motor or the pumps, Keep ventilation to avoid fire dangerous.

3. If you install our pump outdoor, please u should do some protection measures. Or it will decrease the using life span because of the sun-baked and raining. Worst it can make electric shock accident.

If you install our pump indoor, please avoid water spill to make electric shock; don't install inside the bathroom to avoid the cream and water going inside.

4. After a few years of normal use, if you hear any sound in the motor, please replace the internal shield components timely to prevent the danger of electric shock hazard by water leakage.

- 1 -

MAIN USE

The automatic type adapts to the cold pressurized circulation of hot water under 110 degrees Centigrade. Especially this pump absolutely solves the lit fire properly of shower owing to the lower pressure and unreliable pressure. When the tap water is of low pressure, automatic switch maybe provided. It can also boost pressure for solarwater heaters.

The speed regulation type adapts to matching of water heating system, like as: Automatic pressured and circulated for water separator, water collector, boiler and hanging boiler; matching for Water-cooled air-conditioning and center air conditioning system; water supply for washing machine when lower pressure; increase the flux and pressure for the tap water, supply and circulate liquid for industrial equipments. Parts of pump body adopt copper material, so that domestic using water is more sanitary.

MAIN FEATURES

- In the junction box there is adjustable knob trial-way switch, which be used to adjust the working speed: III is high-speed, II is middle-speed, I is low-speed. The lowest speed is about 40-50% of the highest one, the input speed is decreased to about 50%. Dear customer can adjust the speed to control the flow and the pressure according to the different circumstance. it's convenient and saving money.
- This pump adopts shielding set of stainless steel and keep water away from electrical machinery completely. Mechanical seal is not required, thus completely solve pump leaking, adopting the ceramic bearing, stainless steel shaft, friction-resistant, corrosion-resistant, automatic water circulation. It can be used for cooling lubricating motor, also for lubricate the bearing, the motor won't be damaged even highest head working. If the method is on right way, no need to maintenance for three years, good quality and long time use.
- The pump noise class is lower than the min. limitation of the "IEC Machinery Equipment Standard". It's most suitable for indoor lowest noise occasion installation and use.
- All the inside motor materials adopted the heating-resistant, so it can be completely used in hot-water circulation booster system.
- Under 20mm of the outlet & inlet Dia, they can be attached with the auto flow switch to be more circulation.

- 4 -

WORKING CONDIATION

- Medium transportation temperature: 0C ~+110C
- Max circumstance temperature: +40C
- Medium condition: clean, no solid substance, no mineral & oil substance, no stickiness.
- Chem. condition: near neutral, non-cauterizing, non-explosion similar water (glycol max content: 30%)
- If you want to use other kinds liquids, please consult the factory.
- Max working pressure: 10bar
- Min. inlet pressure:
 - At +50C 0,05bar
 - At +95C 0,3bar
 - At +110C 1,0bar

All above, they are only suitable for altitude 300m, much higher 100m by 0.01bar adding. To avoid air-causticity, which making noise, you should keep min. pressure limitation.

The pump must be working at rated voltage range $\pm 10\%$, if the voltage is too lower, the pump will be coming out low speed or hardly start up, easily heating, lower head and pressure.

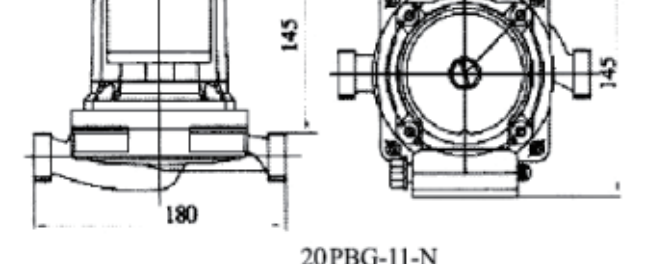
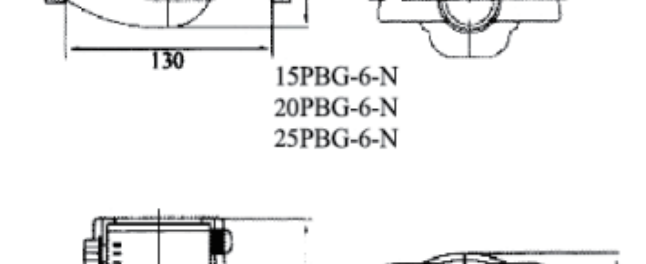
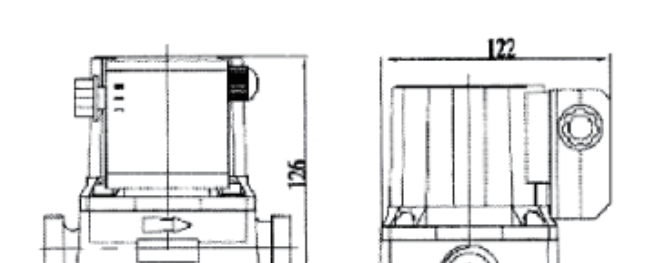
- 5 -

PRECAUTION

- When connect to the power supply, let the pump work several seconds to inspect the start-up normal or not. But don't let the pump working no water long time to affect the ceramic bearing span. Special the self-auto water pump, in case of no water suddenly, u should pay more attention to avoid unnecessary loss.
- Pls pay attention to the water drop on the wood floor or easily moisture goods, when exhausting the air or maintenance.
- Don't touch to avoid scald when our pump using in the heating system. The wiring materials must be heating-resistant.
- Before installation, make sure the pipeline welding well and clean. If there have foreign substance, welding clinker, dirt, they will damage the water pump.
- The place, where to install the pump, should be convenient to maintenance and change.
- We suggest that pls separate install the check valve at inlet or outlet for the maintenance. Then it can avoid the leaking water drop to the water pump and the junction box.
- Current flow direction should be same as the arrow on the pump.
- When the direction of the junction box isn't right, u can loose the hexangular screw, return the motor to the right position. Pls don't damage the rubber gasker, then re-tighten the screw and check the seal gasket is ok or not.

- 6 -

INSTALLATION SKETCH MAP



- 7 -

PUMPEXHAUST

Although the pump and water heater are working, but no central heating. because there's air in the pipe line to lead no circulation. Under general circumstance, after sometime working, we should use manual way.

- ⊙ Before using, please exhaust first.
- ⊙ If the pump continue working one week for hot water circulation, please exhaust one time per week.

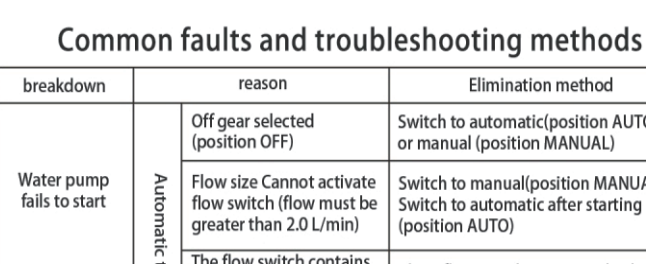
Exhaustion methods:
At first cut off the power and close the outer tap, then slowly twist the exhausting screw, use screw drive turn the pump shaft 15-30 seconds later, there will be some liquid coming out. After exhaustion, please tighten the screw on time.



⚠️ WARNING: Note: To avoid be scalded by the steam or hot-water during exhausting, please don't face the vent directly.

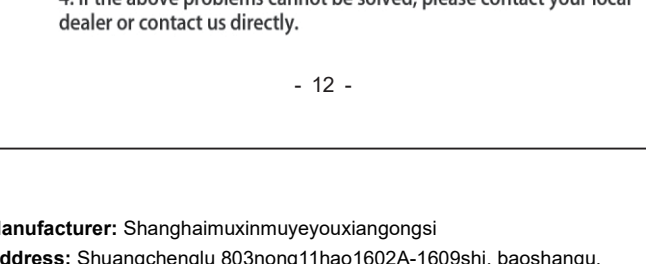
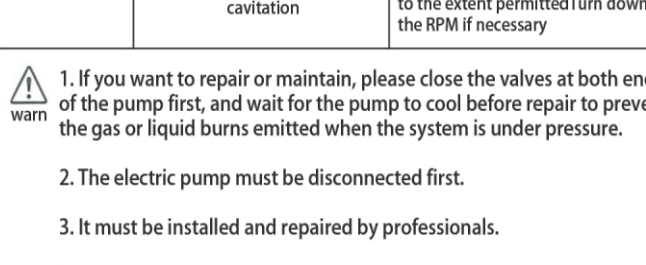
- 8 -

USE OCCASION



- Please don't install the pumps at the outlet of the water heater
- Please don't install the taps at the inlet of the water pumps

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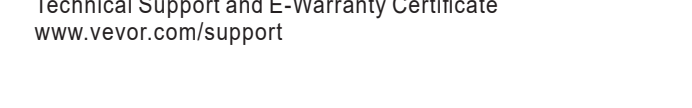
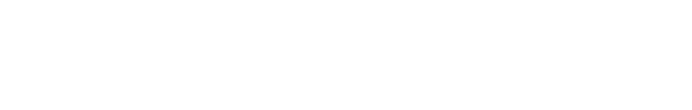


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PERFORMANCE PARAMETER

Model	Max. Power (W)	Voltage/Frequency (V/Hz)	Max.Flow (L/min)	Max.Head (m)	Speed (r/min)
15PBG-9	100	110/60	31	9	2800
20PBG-12	260	110/60	70	12	2800
15PBG-6	100	110/60	40	6	2800
15PBG-6	100	220/50	40	6	2800

INSTALLATION DIMENSION



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Common faults and troubleshooting methods

breakdown	reason	Elimination method
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Water pump fails to start	Off gear selected (position OFF)	Switch to automatic (position AUTO) or manual (position MANUAL)
	Flow size cannot activate flow switch (flow must be greater than 2.0 L/min)	Switch to manual (position MANUAL) or automatic after starting (position AUTO)
	The flow switch contains impurities	Clean flow switch runner and valve

Tap shut off the pump non-stop	Select manual gear (Position AUTO)	Switch to Off (position OFF) or automatic (position MANUAL)
	Main valve closed	Open the main valve

The pump runs but does not produce pressure	System inlet air The air is in the pipe	With the tap open run the pump for a while or run the pump exhaust operation
	There are impurities in the pump	Remove and clean water pump
	There is air in the system or pump	With the tap open run the pump for a while or run the pump exhaust

The pump is noisy.	cavitation	Increase the pressure on the system to the extent permitted Turn down the RPM if necessary

⚠️ warn 1. If you want to repair or maintain, please close the valves at both ends of the pump first, and wait for the pump to cool before repair to prevent the gas or liquid burns emitted when the system is under pressure.

- The electric pump must be disconnected first.
- It must be installed and repaired by professionals.
- If the above problems cannot be solved, please contact your local dealer or contact us directly.

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Manufacturer: Shanghai mui xun mui yue xiang gong si

Address: Shuangchenglu 803 nong 11 hao 1602A-1609shi, baoshanqu, shanghai 200000 CN

Imported to AUS: SIHAO PTY LTD. 1 ROKEVA STREET EASTWOOD NSW 2122 Australia

Imported to USA: Sanven Technology Ltd. Suite 250, 9166 Anaheim Place, Rancho Cucamonga, CA 91730

EC REP E-CrossStu GmbH
Mainzer Landstr.69, 60329 Frankfurt am Main.

UK REP YH CONSULTING LIMITED.
C/O YH Consulting Limited Office 147, Centurion House, London Road, Staines-upon-Thames, Surrey, TW18 4AX

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POMPE DE CIRCULATION DE TYPE BOULIER

MODÈLE : 15PBG-6, 20PBG-12, 15PBG-9

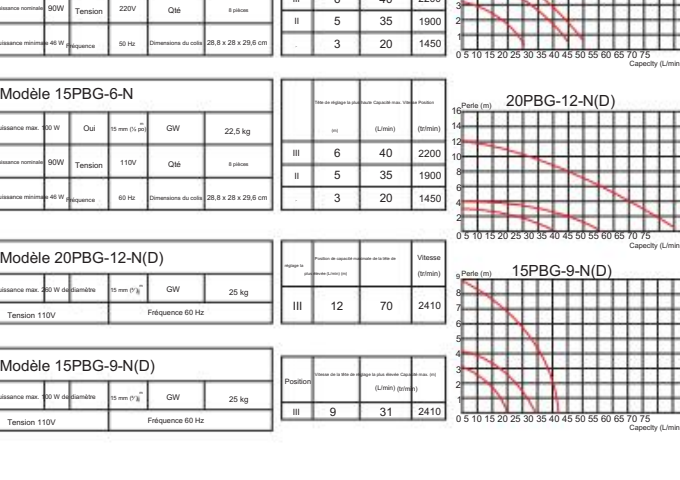
Nous continuons à nous engager à vous fournir des outils à des prix compétitifs.
« Économisez la moitié », « Moitié prix » ou toute autre expression similaire utilisée par nous ne représente qu'une estimation des économies que vous pourriez réaliser en achetant certains outils chez nous par rapport aux 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.

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Modèle 15PBG-6-N								15PBG-6-N	
Power max	Q _{max}	Net (L/min)	Q ₁₀	Q ₁₅	Q ₂₀	III	II	Flow (l/min)	Pressure (bar)
100W	1.0	1.0	1.0	1.0	1.0	6	5	40	2200
100W	1.0	1.0	1.0	1.0	1.0	5	3	35	1900
100W	1.0	1.0	1.0	1.0	1.0	3	2	20	1450

Modèle 15PBG-6-N								20PBG-12-N(D)	
Power max	Q _{max}	Net (L/min)	Q ₁₀	Q ₁₅	Q ₂₀	III	II	Flow (l/min)	Pressure (bar)
260W	1.5	1.5	1.5	1.5	1.5	6	4	40	2200
260W	1.5	1.5	1.5	1.5	1.5	5	3	35	1900
260W	1.5	1.5	1.5	1.5	1.5	3	2	20	1450

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Power max	Q _{max}	Net (L/min)	Q ₁₀	Q ₁₅	Q ₂₀	III	II	Flow (l/min)	Pressure (bar)
100W	1.0	1.0	1.0	1.0	1.0	12	7	70	2410
100W	1.0	1.0	1.0	1.0	1.0	9	3	31	2410

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Power max	Q _{max}	Net (L/min)	Q ₁₀	Q ₁₅	Q ₂₀	III	II	Flow (l/min)	Pressure (bar)
100W	1.0	1.0	1.0	1.0	1.0	9	3	31	2410
100W	1.0	1.0	1.0	1.0	1.0	9	3	31	2410

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This type water pump's plug feet, if "L" is Live Wiring, "N" is Nil Wiring, the longest one is "E" earth touch wiring. Customer must pay attention to the connection to the plug, when you install the three-core socket.

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- 3 -

MAIN USE

The automatic type adapts to the cold pressurized circulation of hot water under 110 degrees Centigrade. Especially this pump absolutely solves the lit fire properly of shower owing to the lower pressure and unreliable pressure. When the tap water is of low pressure, automatic switch maybe provided. It can also boost pressure for solarwater heaters.

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4. All the inside motor materials adopted the heating-resistant, so it can be completely used in hot-water circulation booster system.

5. Under 20mm of the outlet & inlet Dia, they can be attached with the auto flow switch to be more circulation.

- 4 -

WORKING CONDATION

1. Medium transportation temperature: 0C ~+110C

2. Max circumstance temperature: + 40C

3. Medium condition: clean, no solid substance, no mineral & oil substance, no stickiness.

4. Chem. condition: near neutral, non-cauterization, non-explosion similar water (glycol max content: 30%)

5. If you want to use other kinds liquids, please consult the factory.

6. Max working pressure: 10bar

7. Min. inlet pressure:

a. At +50C 0,05bar

b. At +95C 0,3bar

c. At +110C 1,0bar

All above, they are only suitable for altitude 300m, much higher 100m by 0.01bar adding. To avoid air-causticity, which making noise, you should keep min. pressure limitation.

The pump must be working at rated voltage range ± 10%, if the voltage is too lower, the pump will be coming out low speed or hardly start up, easily heating, lower head and pressure.

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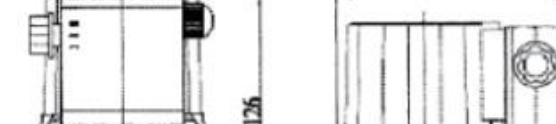
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8. When the direction of the junction box isn't right, u can loose the hexangular screw, return the motor to the right position. Pls don't damage the rubber gasker, then re-tighten the screw and check the seal gasket is ok or not.

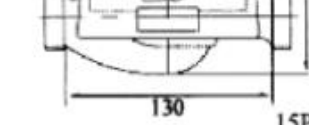
- 6 -

INSTALLATION SKETCH MAP

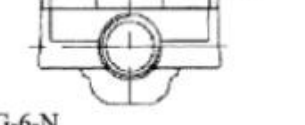
Pump must be installed horizontal, don't install inversion or vertical



The wiring must be installed radian when connect to the junction box. To avoid the water going inside of the box.



Please use tools to connect with pipeline, when fix the outlet& inlet of the pumps, don't use hands directly to return at the motor, avoiding screw loose or inside locked.



- 7 -

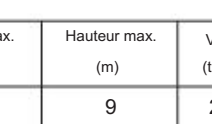
PUMPEXHAUST

Although the pump and water heater are working, but no central heating, because there's air in the pipe line to lead no circulation. Under general circumstance, after sometime working, we should use manual way.

⊙ Before using, please exhaust first.

⊙ If the pump continue working one week

for hot water circulation, please exhaust one time per week.



Exhaustion methods:

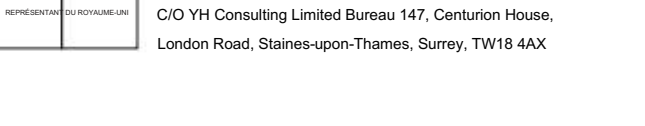
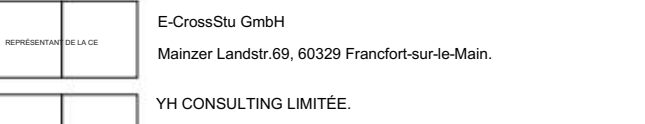
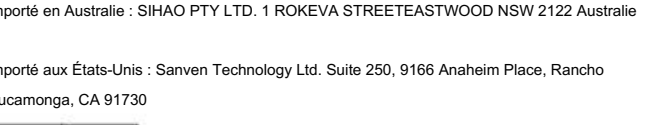
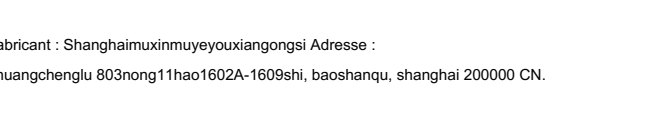
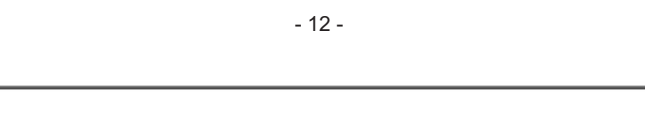
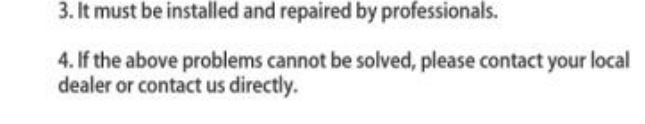
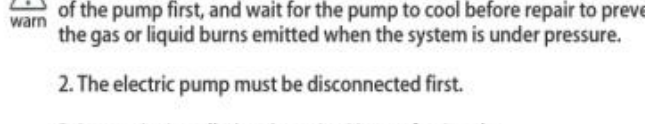
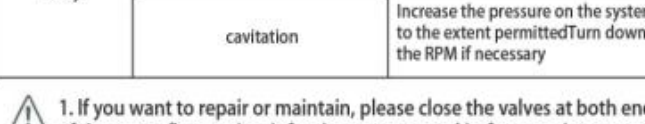
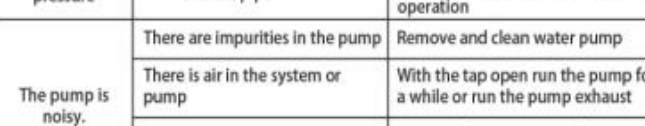
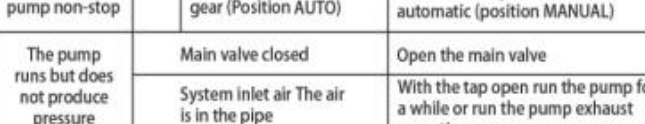
At first cut off the power and close the outer tap, then slowly twist the exhausting screw, use screw driver turn the pump shaft

15-30 seconds later, there will be some liquid coming out. After exhaustion, please tighten the screw on time.

⚠️ Note: To avoid be scalded by the steam or hot-water during exhausting, please don't face the vent directly.

- 8 -

USE OCCASION



VEVOR®

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Technischer Support und E-Garantie-Zertifikat
www.vevor.com/support

Umwälzpumpe vom Typ Shield

MODELL: 15PBG-6, 20PBG-12, 15PBG-9

Wir sind weiterhin bestrebt, Ihnen Werkzeuge zu wettbewerbsfähigen Preisen anzubieten.
„Sparen Sie die Hälfte“, „Halber Preis“ oder andere ähnliche Ausdrücke, die wir verwenden, stellen nur eine Schätzung der Ersparnis dar, die Sie beim Kauf bestimmter Werkzeuge bei uns im Vergleich zu den großen Topmarken erzielen können, und decken nicht unbedingt alle von uns angebotenen Werkzeugkategorien ab. Wir möchten Sie freundlich daran erinnern, bei der Bestellung bei uns sorgfältig zu prüfen, ob Sie im Vergleich zu den großen Topmarken tatsächlich die Hälfte sparen.

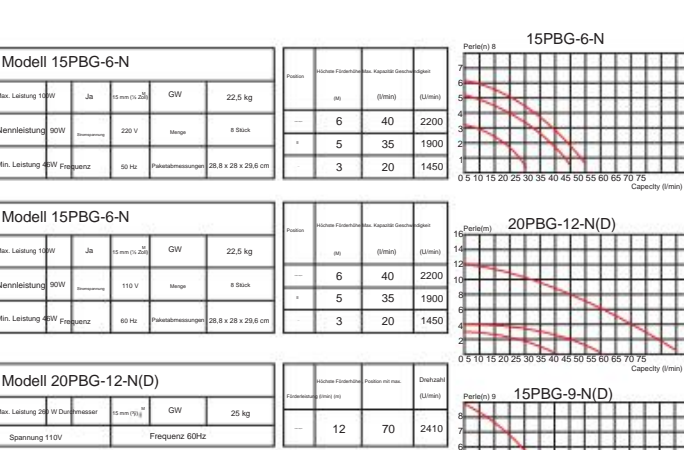
VEVOR®

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SHIELD TYPE

CIRCULATION PUMP

MODEL:15PBG-6, 20PBG-12, 15PBG-9



NEED HELP? CONTACT US!

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

Technical Support and E-Warranty Certificate
www.vevor.com/support

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.

- 1 -

	Warning-To reduce the risk of injury, user must read instructions manual carefully.
	This product is subject to the provision of European Directive 2012/19/EC. The symbol showing a wheeled 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

Modell 15PBG-6-N				15PBG-6-N			
Max. Leistung (kW)	Ja	Power (kW)	GW	22.5 kg	...	...	...
Nennleistung (kW)	...	220 V	...	...	...	...	...
Max. Leistung (kW)	...	...	...	...	...	...	...
Max. Leistung (kW)	...	...	...	...	...	...	...

Modell 15PBG-6-N				20PBG-12-N(D)			
Max. Leistung (kW)	Ja	Power (kW)	GW	22.5 kg	...	...	...
Nennleistung (kW)	...	220 V	...	...	...	...	...
Max. Leistung (kW)	...	...	...	...	...	...	...
Max. Leistung (kW)	...	...	...	...	...	...	...

Modell 20PBG-12-N(D)				15PBG-9-N(D)			
Max. Leistung (kW)	Ja	Power (kW)	GW	25 kg	...	...	...
Nennleistung (kW)	...	220 V	...	...	...	...	...
Max. Leistung (kW)	...	...	...	...	...	...	...
Max. Leistung (kW)	...	...	...	...	...	...	...

Modell 15PBG-9-N(D)				20PBG-12-N(D)			
Max. Leistung (kW)	Ja	Power (kW)	GW	25 kg	...	...	...
Nennleistung (kW)	...	220 V	...	...	...	...	...
Max. Leistung (kW)	...	...	...	...	...	...	...
Max. Leistung (kW)	...	...	...	...	...	...	...

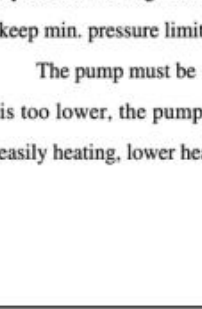
- 2 -

Dear our customer:

Thank you for your purchase this series water pump and hereby we celebrate your water using problem can be completely solved. When I first use this kind pump, please read this instruction carefully and well keep it. As the instruction guide, u will use them correctly and elaborate all the best features and efficiency, no fault, to increase the using span. Our company's products will be continuous develop and create, if your purchase pump is not same as the instruction's structure, performance and specification, please following the pump Nameplate.

⚠️ SPECIAL WARNING

Before using, the pump must be reliable earth touch. Don't change the three-core wiring plug to avoid the power leakage. To make sure everything safe, please u must install some security measures, such as: the power leakage-breaker or electric shock blocker and so on.



1. Earth wiring and nil wiring must be separated. If no reliable earth wiring, the accident will be no business with us.
This type water pump's plug feet, if "L" is Live Wiring, "N" is Nil Wiring, the longest one is "E" earth touch wiring. Customer must pay attention to the connection to the plug, when you install the three-core socket.

Here we absolutely forbid u: unite the Nil wiring and Earth Wiring together, which can make power leakage dangerous.

2. Don't use blanket cover the motor or the pumps, Keep ventilation to avoid fire dangerous.
3. If you install our pump outdoor, please u should do some protection measures. Or it will decrease the using life span because of the sun-baked and raining. Worst it can make electric shock accident. If you install our pump indoor, please avoid water spill to make electric shock; don't install inside the bathroom to avoid the cream and water going inside.
4. After a few years of normal use, if you hear any sound in the motor, please replace the internal shield components timely to prevent the danger of electric shock hazard by water leakage.

- 3 -

MAIN USE

The automatic type adapts to the cold pressurized circulation of hot water under 110 degrees Centigrade. Especially this pump absolutely solves the lit fire properly of shower owing to the lower pressure and unreliable pressure. When the tap water is of low pressure, automatic switch maybe provided. It can also boost pressure for solarwater heaters.

The speed regulation type adapts to matching of water heating system, like as: Automatic pressured and circulated for water separator, water collector, boiler and hanging boiler; matching for Water-cooled air-conditioning and center air conditioning system; water supply for washing machine when lower pressure; increase the flux and pressure for the tap water, supply and circulate liquid for industrial equipments. Parts of pump body adopt copper material, so that domestic using water is more sanitary.

MAIN FEATURES

1. In the junction box there is adjustable knob trial-way switch, which be used to adjust the working speed: III is high-speed, II is middle-speed, I is low-speed. The lowest speed is about 40-50% of the highest one, the input speed is decreased to about 50%. Dear customer can adjust the speed to control the flow and the pressure according to the different circumstance. it's convenient and saving money.
2. This pump adopts shielding set of stainless steel and keep water away from electrical machinery completely. Mechanical seal is not required, thus completely solve pump leaking, adopted the ceramic bearing, stainless steel shaft, friction-resistant, corrosion-resistant, automatic water circulation. It can be used for cooling lubricating motor, also for lubricate the bearing, the motor won't be damaged even highest head working. If the method is on right way, no need to maintenance for three years, good quality and long time use.
3. The pump noise class is lower than the min. limitation of the «IEC Machinery Equipment Standard». It's most suitable for indoor lowest noise occasion installation and use.
4. All the inside motor materials adopted the heating-resistant, so it can be completely used in hot-water circulation booster system.
5. Under 20mm of the outlet & inlet Dia, they can be attached with the auto flow switch to be more circulation.

- 4 -

WORKING CONDATION

1. Medium transportation temperature: 0C ~+ 110C
2. Max circumstance temperature: + 40C
3. Medium condition: clean, no solid substance, no mineral & oil substance, no stickiness.
4. Chem. condition: near neutral, non-cauterization, non-explosion similar water (glycol max content: 30%)
5. If you want to use other kinds liquids, please consult the factory.
6. Max working pressure: 10bar
7. Min. inlet pressure:
 - a. At +50C 0,05bar
 - b. At +95C 0,3bar
 - c. At +110C 1,0bar

All above, they are only suitable for altitude 300m, much higher 100m by 0.01bar adding. To avoid air-causticity, which making noise, you should keep min. pressure limitation.

The pump must be working at rated voltage range ± 10%, if the voltage is too lower, the pump will be coming out low speed or hardly start up, easily heating, lower head and pressure.

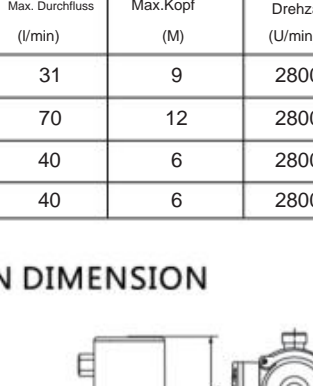
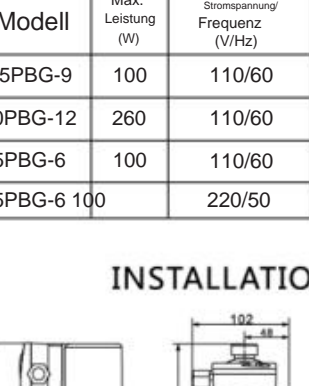
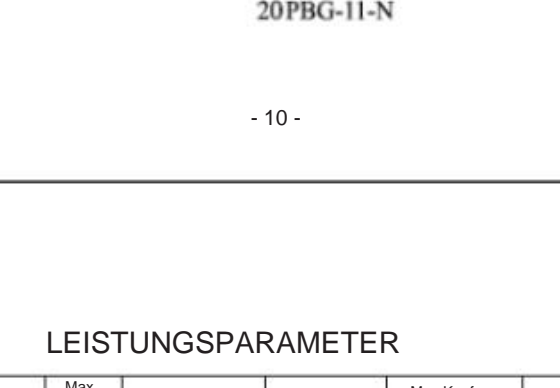
- 5 -

PRECAUTION

1. When connect to the power supply, let the pump work several seconds to inspect the start-up normal or not. But don't let the pump working no water long time to affect the ceramic bearing span. Special the self-auto water pump time, in case of no water suddenly, u should pay more attention to avoid unnecessary loss.
2. Pls pay attention to the water drop on the wood floor or easily moisture goods, when exhausting the air or maintenance.
3. Don't touch to avoid scald when our pump using in the heating system. The wiring materials must be heating-resistant.
4. Before installation, make sure the pipeline welding well and clean. If there have foreign substance, welding clinker, dirt, they will damage the water pump.
5. The place, where to install the pump, should be convenient to maintenance and change.
6. We suggest that pls separate install the check valve at inlet or outlet for the maintenance. Then it can avoid the leaking water drop to the water pump and the junction box.
7. Current flow direction should be same as the arrow on the pump.
8. When the direction of the junction box isn't right, u can loose the hexangular screw, return the motor to the right position. Pls don't damage the rubber gasker, then re-tighten the screw and check the seal gasket is ok or not.

- 6 -

INSTALLATION SKETCH MAP



- 7 -

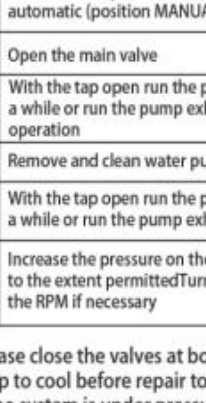
PUMPEXHAUST

Although the pump and water heater are working, but no central heating, because there's air in the pipe line to lead no circulation. Under general circumstance, after sometime working, we should use manual way.

- ⊙ Before using, please exhaust first.
- ⊙ If the pump continue working one week for hot water circulation, please exhaust one time per week.

Exhaustion methods:

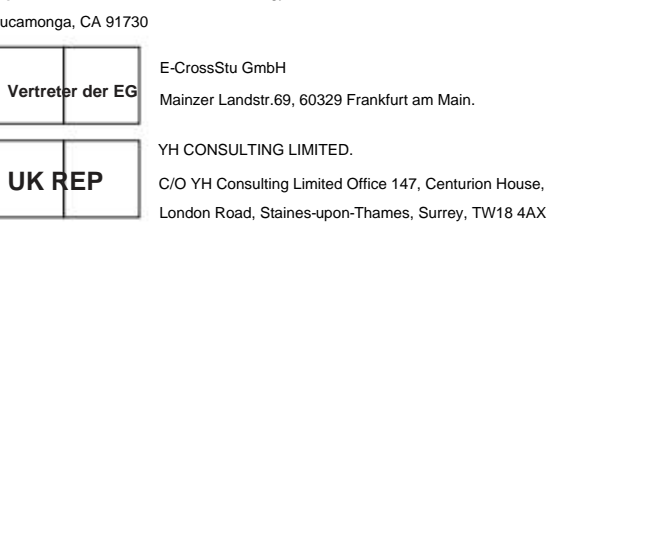
At first cut off the power and close the outer tap, then slowly twist the exhausting screw, use screw drive turn the pump shaft 15-30 seconds later, there will be some liquid coming out. After exhaustion, please tighten the screw on time.



⚠️ Note: To avoid be scalded by the steam or hot-water during exhausting, please don't face the vent directly.

- 8 -

USE OCCASION



- Please don't install the pumps at the outlet of the water heater
- Please don't install the taps at the inlet of the water pumps

- 9 -

LEISTUNGSPARAMETER

Modell	Max. Leistung (W)	Stromspannung/ Frequenz (V/Hz)	Max. Durchfluss (l/min)	Max. Kopf (M)	Drehzahl (U/min)
15PBG-9	100	110/60	31	9	2800
20PBG-12	260	110/60	70	12	2800
15PBG-6	100	110/60	40	6	2800
15PBG-6 100	220/50	40	6	2800	

INSTALLATION DIMENSION



- 11 -

Common faults and troubleshooting methods

breakdown	reason	Elimination method
Water pump fails to start	Off gear selected (position OFF)	Switch to automatic(position AUTO) or manual (position MANUAL)
	Flow size Cannot activate flow switch (flow must be greater than 2.0 L/min)	Switch to manual(position MANUAL)
	The flow switch contains impurities	Switch to automatic after starting (position AUTO)
Tap shut off the pump non-stop	Select manual gear (Position AUTO)	Switch to off (position OFF) or automatic (position MANUAL)
The pump runs but does not produce pressure	Main valve closed	Open the main valve
	System inlet air The air is in the pipe	With the tap open run the pump for a while or run the pump exhaust operation
The pump is noisy.	There are impurities in the pump	Remove and clean water pump
	There is air in the system or pump	With the tap open run the pump for a while or run the pump exhaust
	cavitation	Increase the pressure on the system to the extent permitted Turn down the RPM if necessary

⚠️ warn 1. If you want to repair or maintain, please close the valves at both ends of the pump first, and wait for the pump to cool before repair to prevent the gas or liquid burns emitted when the system is under pressure.

2. The electric pump must be disconnected first.
3. It must be installed and repaired by professionals.
4. If the above problems cannot be solved, please contact your local dealer or contact us directly.

- 12 -

Hersteller: Shanghai xumuyouxiangongsi Adresse: Shanghai Chenglu 803nong 11hao 1602A-1609shi, baoshangu, Shanghai 200000 CN.

Nach AUS importiert: SHIAO PTY LTD. 1 ROKEVA STREET EASTWOOD NSW 2122 Australien

Importiert in die USA: Sarven Technology Ltd. Suite 250, 9166 Anaheim Place, Rancho Cucamonga, CA 91730

Vertreter der EG: E-CrossStu GmbH Mainzer Landstr. 69, 60329 Frankfurt am Main.

UK REP: YH CONSULTING LIMITED, C/O YH Consulting Limited Office 147, Centurion House, London Road, Staines-upon-Thames, Surrey, TW18 4AX

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elettronica www.vevor.com/support

POMPA DI CIRCOLAZIONE TIPO SHIELD

MODELLO: 15PBG-6, 20PBG-12, 15PBG-9

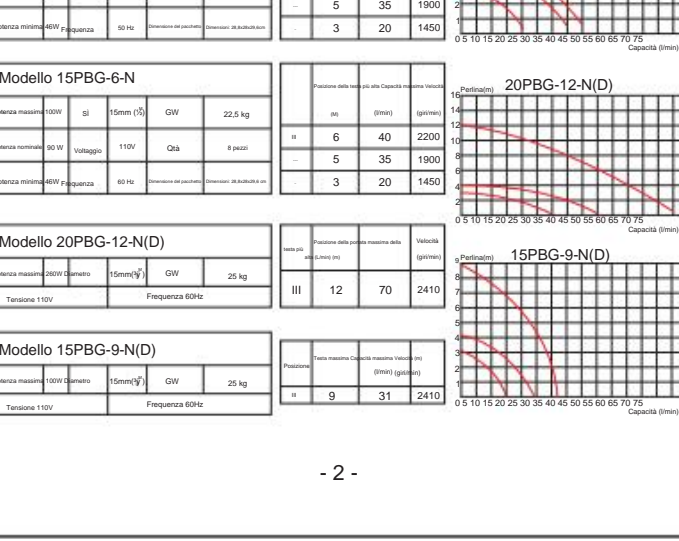
Continuiamo a impegnarci per fornirvi strumenti a prezzi competitivi.
"Risparmia la metà", "Meta prezzo" o qualsiasi altra espressione simile da noi utilizzata rappresenta solo una stima del risparmio che potresti ottenere acquistando determinati utensili con noi rispetto ai principali marchi principali 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.

VEVOR®

TOUGH TOOLS, HALF PRICE

SHIELD TYPE CIRCULATION PUMP

MODEL:15PBG-6, 20PBG-12, 15PBG-9



NEED HELP? CONTACT US!

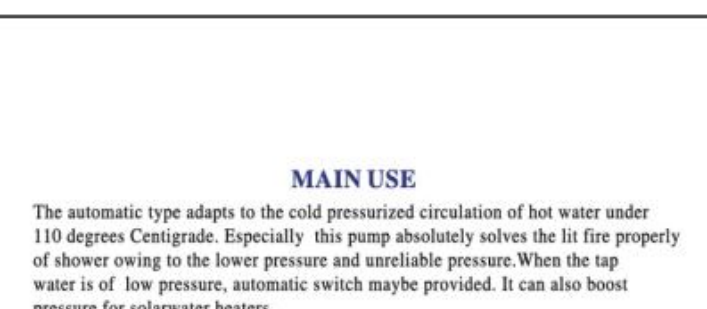
Have product questions? Need technical support? Please feel free to contact us:

Technical Support and E-Warranty Certificate
www.vevor.com/support

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- 1 -

	Warning-To reduce the risk of injury, user must read instructions manual carefully.
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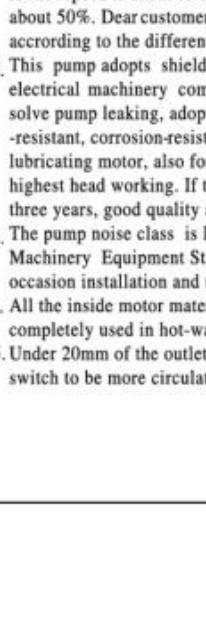
- 2 -

Dear our customer:

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⚠ SPECIAL WARNING

Before using, the pump must be reliable earth touch. Don't change the three-core wiring plug to avoid the power leakage. To make sure everything safe, please u must install some security measures, such as: the power leakage-breaker or electric shock blocker and so on.



1. Earth wiring and nil wiring must be separated. If no reliable earth wiring, the accident will be no business with us.

This type water pump's plug feet, if "L" is Live Wiring, "N" is Nil Wiring, the longest one is "E" earth touch wiring. Customer must pay attention to the connection to the plug, when you install the three-core socket.

Here we absolutely forbid u: unite the Nil wiring and Earth Wiring together, which can make power leakage dangerous.

2. Don't use blanket cover the motor or the pumps, Keep ventilation to avoid fire dangerous.
3. If you install our pump outdoor, please u should do some protection measures. Or it will decrease the using life span because of the sun-baked and raining. Worst it can make electric shock accident. If you install our pump indoor, please avoid water spill to make electric shock; don't install inside the bathroom to avoid the cream and water going inside.
4. After a few years of normal use, if you hear any sound in the motor, please replace the internal shield components timely to prevent the danger of electric shock hazard by water leakage.

- 3 -

MAIN USE

The automatic type adapts to the cold pressurized circulation of hot water under 110 degrees Centigrade. Especially this pump absolutely solves the lit fire properly of shower owing to the lower pressure and unreliable pressure. When the tap water is of low pressure, automatic switch maybe provided. It can also boost pressure for solarwater heaters.

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MAIN FEATURES

1. In the junction box there is adjustable knob trial-way switch, which be used to adjust the working speed: III is high-speed, II is middle-speed, I is low-speed. The lowest speed is about 40-50% of the highest one, the input speed is decreased to about 50%. Dear customer can adjust the speed to control the flow and the pressure according to the different circumstance. it's convenient and saving money.
2. This pump adopts shielding set of stainless steel and keep water away from electrical machinery completely. Mechanical seal is not required, thus completely solve pump leaking, adopted the ceramic bearing, stainless steel shaft, friction-resistant, corrosion-resistant, automatic water circulation. It can be used for cooling lubricating motor, also for lubricate the bearing, the motor won't be damaged even highest head working. If the method is on right way, no need to maintenance for three years, good quality and long time use.
3. The pump noise class is lower than the min. limitation of the «EEC Machinery Equipment Standard». It's most suitable for indoor lowest noise occasion installation and use.
4. All the inside motor materials adopted the heating-resistant, so it can be completely used in hot-water circulation booster system.
5. Under 20mm of the outlet & inlet Dia, they can be attached with the auto flow switch to be more circulation.

- 4 -

WORKING CONDATION

1. Medium transportation temperature: 0C ~+110 C
2. Max circumstance temperature: + 40 C
3. Medium condition: clean, no solid substance, no mineral & oil substance, no stickiness.
4. Chem. condition: near neutral, non-cauterization, non-explosion similar water (glycol max content: 30%)
5. If you want to use other kinds liquids, please consult the factory.
6. Max working pressure: 10bar
7. Min. inlet pressure:
 - a. At+50C 0,05bar
 - b. At+95 C 0,3bar
 - c. At+110C 1,0bar

All above, they are only suitable for altitude 300m, much higher 100m by 0.01bar adding. To avoid air-causticity, which making noise, you should keep min. pressure limitation.

The pump must be working at rated voltage range ± 10%, if the voltage is too lower, the pump will be coming out low speed or hardly start up, easily heating, lower head and pressure.

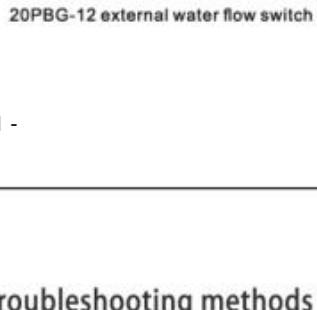
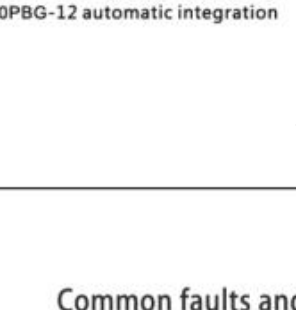
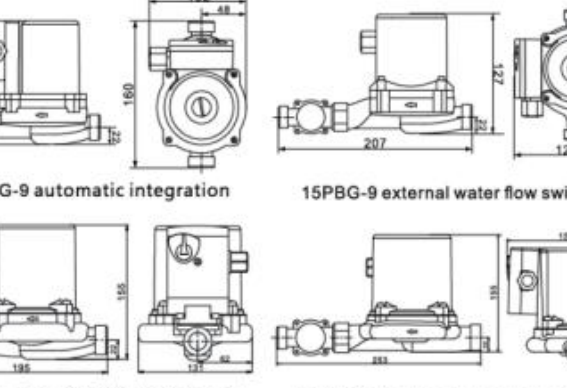
- 5 -

PRECAUTION

1. When connect to the power supply, let the pump work several seconds to inspect the start-up normal or not. But don't let the pump working no water long time to affect the ceramic bearing span. Special the self-auto water pump, in case of no water suddenly, u should pay more attention to avoid unnecessary loss.
2. Pls pay attention to the water drop on the wood floor or easily moisture goods, when exhausting the air or maintenance.
3. Don't touch to avoid scald when our pump using in the heating system. The wiring materials must be heating-resistant.
4. Before installation, make sure the pipeline welding well and clean. If there have foreign substance, welding clinker, dirt, they will damage the water pump.
5. The place, where to install the pump, should be convenient to maintenance and change.
6. We suggest that pls separate install the check valve at inlet or outlet for the maintenance. Then it can avoid the leaking water drop to the water pump and the junction box.
7. Current flow direction should be same as the arrow on the pump.
8. When the direction of the junction box isn't right, u can loose the hexangular screw, return the motor to the right position. Pls don't damage the rubber gasker, then re-tighten the screw and check the seal gasket is ok or not.

- 6 -

INSTALLATION SKETCH MAP



- 7 -

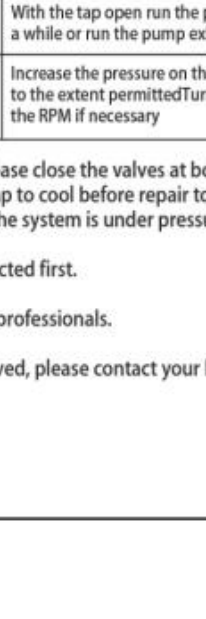
PUMPEXHAUST

Although the pump and water heater are working, but no central heating, because there's air in the pipe line to lead no circulation. Under general circumstance, after sometime working, we should use manual way.

- ⊙ Before using, please exhaust first.
- ⊙ If the pump continue working one week for hot water circulation, please exhaust one time per week.

Exhaustion methods:

At first cut off the power and close the outer tap, then slowly twist the exhausting screw, use screw drive turn the pump shaft 15-30 seconds later, there will be some liquid coming out. After exhaustion, please tighten the screw on time.



⚠ WARNING: Note: To avoid be scalded by the steam or hot-water during exhausting, please don't face the vent directly.

- 8 -

USE OCCASION



- Please don't install the pumps at the outlet of the water heater
- Please don't install the taps at the inlet of the water pumps

- 9 -



- 10 -

PARAMETRO DI PRESTAZIONE

Modello	Massimo Potenza (W)	Voltaggio/ Frequenza (V/Hz)	Portata massima (l/min)	Prevalenza massima (M)	Velocità (giri/min)
15PBG-9	100	110/60	31	9	2800
20PBG-12	260	110/60	70	12	2800
15PBG-6	100	110/60	40	6	2800
15PBG-6 100	220/50	40	6	2800	

INSTALLATION DIMENSION



- 11 -

Common faults and troubleshooting methods

breakdown	reason	Elimination method
Water pump fails to start	Off gear selected (position OFF)	Switch to automatic(position AUTO) or manual (position MANUAL)
	Flow size Cannot activate flow switch (flow must be greater than 2.0 L/min)	Switch to manual(position MANUAL)
	The flow switch contains impurities	Switch to automatic after starting (position AUTO)
Tap shut off the pump non-stop	The flow switch contains impurities	Clean flow switch runner and valve
The pump runs but does not produce pressure	Select manual gear (Position AUTO)	Switch to off (position OFF) or automatic (position MANUAL)
	Main valve closed	Open the main valve
The pump is noisy.	System inlet air The air is in the pipe	With the tap open run the pump for a while or run the pump exhaust operation
	There are impurities in the pump	Remove and clean water pump
	There is air in the system or pump	With the tap open run the pump for a while or run the pump exhaust
	cavitation	Increase the pressure on the system to the extent permitted Turn down the RPM if necessary

1. If you want to repair or maintain, please close the valves at both ends of the pump first, and wait for the pump to cool before repair to prevent the gas or liquid burns emitted when the system is under pressure.
2. The electric pump must be disconnected first.
3. It must be installed and repaired by professionals.
4. If the above problems cannot be solved, please contact your local dealer or contact us directly.

- 12 -

Produttore: Shanghai xunmin yueyou xiangong si

Indirizzo: Shuangchenglu 803nong11hao1602A-1609shi, baoshanqu, shanghai 200000.CN.

Importato in AUS: SIHAO PTY LTD. 1 ROKEVA STREET EASTWOOD NSW 2122 Australia

Importato negli USA: Sanven Technology Ltd. Suite 250, 9166 Anaheim Place, Rancho Cucamonga, CA 91730

Rappresentante della CE: E-CrossStu GmbH
Mainzer Landstr.69, 60329 Francoforte sul Meno.

RAPPRESENTANTE DEL REGNO UNITO: CONSULENZA YH LIMITED A.T.A.
C/O YH Consulting Limited Ufficio 147, Centurion House,
Via Roma, 101, 00186 Roma, Italia

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POMPA CYRKULACYJNA TYPU TARCZOWEGO

MODEL: 15PBG-6, 20PBG-12, 15PBG-9

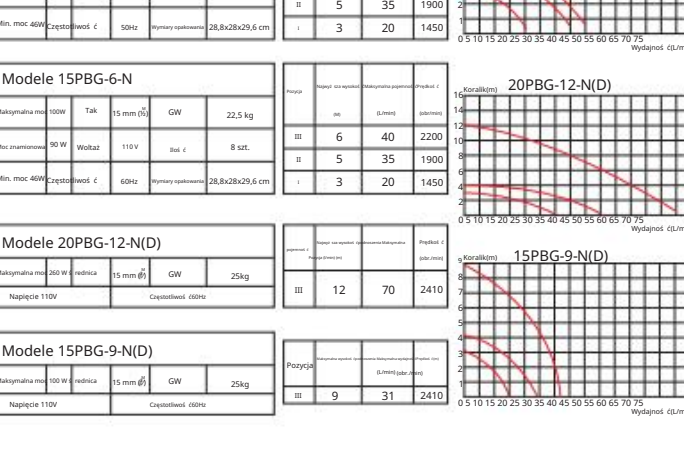
Nadal staramy się oferować Państwu narzędzia w konkurencyjnych cenach.
„Oszczędzaj pol owie”, „Pol owa ceny” lub inne podobne wyrażenia używane przez nas stanowią jedynie szacunkowe oszczędności, jakie moż esz uzyskać kupując u nas okres lone narzędzia w porównaniu z gł ównymi markami i niekoniecznie oznaczają one objęcie wszystkich kategorii oferowanych przez nas narzędzi. Upraszamy przypominać, aby przy skł adaniu zamówienia dokł adnie sprawdzić, czy faktycznie oszczędzasz poł owę w porównaniu z gł ównymi markami.

VEVOR®

TOUGH TOOLS, HALF PRICE

SHIELD TYPE CIRCULATION PUMP

MODEL: 15PBG-6, 20PBG-12, 15PBG-9



NEED HELP? CONTACT US!

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

Technical Support and E-Warranty Certificate
www.vevor.com/support

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.

- 1 -

	Warning-To reduce the risk of injury, user must read instructions manual carefully.
	This product is subject to the provision of European Directive 2012/19/EC. The symbol showing a wheeled 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

Modele 15PBG-6-N				15PBG-6-N			
Maximální rychlost	Třída	Max. výkon (kW)	GW	Max. výkon (kW)	Max. výkon (kW)	Max. výkon (kW)	Max. výkon (kW)
150 W	III	0,1	0,1	150 W	150 W	150 W	150 W
Max. proud (A)	Max. proud (A)	Max. proud (A)	Max. proud (A)	Max. proud (A)	Max. proud (A)	Max. proud (A)	Max. proud (A)
0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5

Modele 15PBG-6-N				20PBG-12-N(D)			
Maximální rychlost	Třída	Max. výkon (kW)	GW	Max. výkon (kW)	Max. výkon (kW)	Max. výkon (kW)	Max. výkon (kW)
150 W	III	0,1	0,1	200 W	200 W	200 W	200 W
Max. proud (A)	Max. proud (A)	Max. proud (A)	Max. proud (A)	Max. proud (A)	Max. proud (A)	Max. proud (A)	Max. proud (A)
0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5

Modele 20PBG-12-N(D)				15PBG-9-N(D)			
Maximální rychlost	Třída	Max. výkon (kW)	GW	Max. výkon (kW)	Max. výkon (kW)	Max. výkon (kW)	Max. výkon (kW)
200 W	III	0,2	0,2	150 W	150 W	150 W	150 W
Max. proud (A)	Max. proud (A)	Max. proud (A)	Max. proud (A)	Max. proud (A)	Max. proud (A)	Max. proud (A)	Max. proud (A)
0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5

Modele 15PBG-9-N(D)				20PBG-12-N(D)			
Maximální rychlost	Třída	Max. výkon (kW)	GW	Max. výkon (kW)	Max. výkon (kW)	Max. výkon (kW)	Max. výkon (kW)
150 W	III	0,1	0,1	200 W	200 W	200 W	200 W
Max. proud (A)	Max. proud (A)	Max. proud (A)	Max. proud (A)	Max. proud (A)	Max. proud (A)	Max. proud (A)	Max. proud (A)
0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5

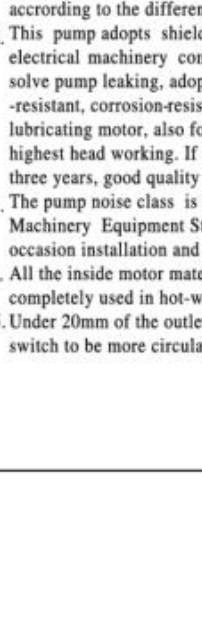
- 2 -

Dear our customer:

Thank you for your purchase this series water pump and hereby we celebrate your water using problem can be completely solved. When a first use this kind pump, please read this instruction carefully and well keep it. As the instruction guide, u will use them correctly and elaborate all the best features and efficiency, no fault, to increase the using span. Our company's products will be continuous develop and create, if your purchase pump is not same as the instruction's structure, performance and specification, please following the pump Nameplate.

⚠ SPECIAL WARNING

Before using, the pump must be reliable earth touch. Don't change the three-core wiring plug to avoid the power leakage. To make sure everything safe, please u must install some security measures, such as: the power leakage-breaker or electric shock blocker and so on.



1. Earth wiring and nil wiring must be separated. If no reliable earth wiring, the accident will be no business with us.

This type water pump's plug feet, if "L" is Live Wiring, "N" is Nil Wiring, the longest one is "E" earth touch wiring. Customer must pay attention to the connection to the plug, when you install the three-core socket.

Here we absolutely forbid u: unite the Nil wiring and Earth Wiring together, which can make power leakage dangerous.

2. Don't use blanket cover the motor or the pumps, Keep ventilation to avoid fire dangerous.
3. If you install our pump outdoor, please u should do some protection measures. Or it will decrease the using life span because of the sun-baked and raining. Worst it can make electric shock accident. If you install our pump indoor, please avoid water spill to make electric shock; don't install inside the bathroom to avoid the cream and water going inside.
4. After a few years of normal use, if you hear any sound in the motor, please replace the internal shield components timely to prevent the danger of electric shock hazard by water leakage.

- 3 -

MAIN USE

The automatic type adapts to the cold pressurized circulation of hot water under 110 degrees Centigrade. Especially this pump absolutely solves the lit fire properly of shower owing to the lower pressure and unreliable pressure. When the tap water is of low pressure, automatic switch maybe provided. It can also boost pressure for solarwater heaters. The speed regulation type adapts to matching of water heating system, like as: Automatic pressured and circulated for water separator, water collector, boiler and hanging boiler; matching for Water-cooled air-conditioning and center air conditioning system; water supply for washing machine when lower pressure; increase the flux and pressure for the tap water, supply and circulate liquid for industrial equipments. Parts of pump body adopt copper material, so that domestic using water is more sanitary.

MAIN FEATURES

1. In the junction box there is adjustable knob trial-way switch, which be used to adjust the working speed: III is high-speed, II is middle-speed, I is low-speed. The lowest speed is about 40-50% of the highest one, the input speed is decreased to about 50%. Dear customer can adjust the speed to control the flow and the pressure according to the different circumstance. it's convenient and saving money.
2. This pump adopts shielding set of stainless steel and keep water away from electrical machinery completely. Mechanical seal is not required, thus completely solve pump leaking, adopted the ceramic bearing, stainless steel shaft, friction-resistant, corrosion-resistant, automatic water circulation. It can be used for cooling lubricating motor, also for lubricate the bearing, the motor won't be damaged even highest head working. If the method is on right way, no need to maintenance for three years, good quality and long time use.
3. The pump noise class is lower than the min. limitation of the «IEC Machinery Equipment Standard». It's most suitable for indoor lowest noise occasion installation and use.
4. All the inside motor materials adopted the heating-resistant, so it can be completely used in hot-water circulation booster system.
5. Under 20mm of the outlet & inlet Dia, they can be attached with the auto flow switch to be more circulation.

- 4 -

WORKING CONDATION

1. Medium transportation temperature: 0C ~+110 C
2. Max circumstance temperature: + 40 C
3. Medium condition: clean, no solid substance, no mineral & oil substance, no stickiness.
4. Chem. condition: near neutral, non-cauterization, non-explosion similar water (glycol max content: 30%)
5. If you want to use other kinds liquids, please consult the factory.
6. Max working pressure: 10bar
7. Min. inlet pressure:
 - a. At+50C 0,05bar
 - b. At+95 C 0,3bar
 - c. At+110C 1,0bar

All above, they are only suitable for altitude 300m, much higher 100m by 0.01bar adding. To avoid air-causticity, which making noise, you should keep min. pressure limitation.

The pump must be working at rated voltage range ± 10%, if the voltage is too lower, the pump will be coming out low speed or hardly start up, easily heating, lower head and pressure.

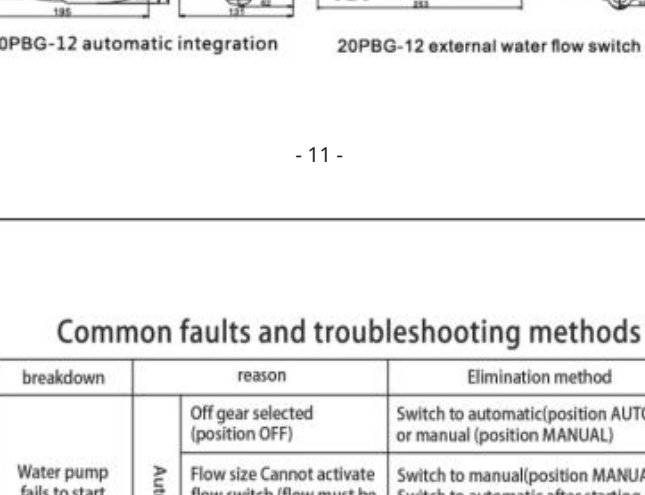
- 5 -

PRECAUTION

1. When connect to the power supply, let the pump work several seconds to inspect the start-up normal or not. But don't let the pump working no water long time to affect the ceramic bearing span. Special the self-auto water pump time, in case of no water suddenly, u should pay more attention to avoid unnecessary loss.
2. Pls pay attention to the water drop on the wood floor or easily moisture goods, when exhausting the air or maintenance.
3. Don't touch to avoid scald when our pump using in the heating system. The wiring materials must be heating-resistant.
4. Before installation, make sure the pipeline welding well and clean. If there have foreign substance, welding clinker, dirt, they will damage the water pump.
5. The place, where to install the pump, should be convenient to maintenance and change.
6. We suggest that pls separate install the check valve at inlet or outlet for the maintenance. Then it can avoid the leaking water drop to the water pump and the junction box.
7. Current flow direction should be same as the arrow on the pump.
8. When the direction of the junction box isn't right, u can loose the hexangular screw, return the motor to the right position. Pls don't damage the rubber gasker, then re-tighten the screw and check the seal gasket is ok or not.

- 6 -

INSTALLATION SKETCH MAP



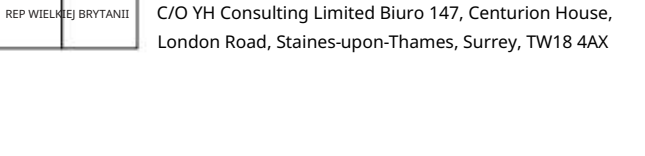
- 7 -

PUMPEXHAUST

Although the pump and water heater are working, but no central heating, because there's air in the pipe line to lead no circulation. Under general circumstance, after sometime working, we should use manual way.

- ① - Before using, please exhaust first.
- ② - If the pump continue working one week for hot water circulation, please exhaust one time per week.

Exhaustion methods:
At first cut off the power and close the outer tap, then slowly twist the exhausting screw, use screw drive turn the pump shaft 15-30 seconds later, there will be some liquid coming out. After exhaustion, please tighten the screw on time.



⚠ Warning: Note: To avoid be scalded by the steam or hot-water during exhausting, please don't face the vent directly.

- 8 -

USE OCCASION



- Please don't install the pumps at the outlet of the water heater
- Please don't install the taps at the inlet of the water pumps

- 9 -

- 10 -

PARAMETR WYDAJNOŚCI

Model	Maks. Moc (w)	Woltaż / Częstotliwość (V/Hz)	Maksymalny przepływ (L/min)	Wydajność przepływu (M)	Prędkość (obr./min)
15PBG-9	100	110/60	31	9	2800
20PBG-12	260	110/60	70	12	2800
15PBG-6	100	110/60	40	6	2800
15PBG-6 100	100	220/50	40	6	2800

INSTALLATION DIMENSION

- 11 -

Common faults and troubleshooting methods

breakdown	reason	Elimination method
Water pump fails to start	Off gear selected (position OFF)	Switch to automatic (position AUTO) or manual (position MANUAL)
	Flow size Cannot activate flow switch (flow must be greater than 2.0 L/min)	Switch to manual (position MANUAL)
	The flow switch contains impurities	Switch to automatic after starting (position AUTO)
Tap shut off the pump non-stop	Select manual gear (Position AUTO)	Switch to off (position OFF) or automatic (position MANUAL)
The pump runs but does not produce pressure	Main valve closed	Open the main valve
	System inlet air The air is in the pipe	With the tap open run the pump for a while or run the pump exhaust operation
The pump is noisy.	There are impurities in the pump	Remove and clean water pump
	There is air in the system or pump	With the tap open run the pump for a while or run the pump exhaust
	cavitation	Increase the pressure on the system to the extent permitted Turn down the RPM if necessary

⚠ warn 1. If you want to repair or maintain, please close the valves at both ends of the pump first, and wait for the pump to cool before repair to prevent the gas or liquid burns emitted when the system is under pressure.

2. The electric pump must be disconnected first.
3. It must be installed and repaired by professionals.
4. If the above problems cannot be solved, please contact your local dealer or contact us directly.

- 12 -

Producent: Shanghai xunmuyouxiangongsi Adres: Shanghai 803nong11hao1602A-1609shi, baoshanqu, szanghaj 200000 CN.

Importowane do AUS: SHAO PTY LTD, 1 ROKEVA STREET EASTWOOD NSW 2122 Australia

Importowane do USA: Sanven Technology Ltd, Suite 250, 9166 Anaheim Place, Rancho Cucamonga, CA 91730

Przedstawiciel UE	E-CrossStu GmbH Mainzer Landstr.69, 60329 Frankfurt nad Menem.
REP WIELKIEJ Brytanii	YH CONSULTING LIMITED. C/O YH Consulting Limited Biuro 147, Centurion House, London Road, Staines-upon-Thames, Surrey, TW18 4AX

VEVOR®

TOUGH TOOLS, HALF PRICE

Wsparcie techniczne i certyfikat gwarancji elektronicznej www.vevor.com/support

CIRCULATIEPOMP VAN HET SCHILDTYPE

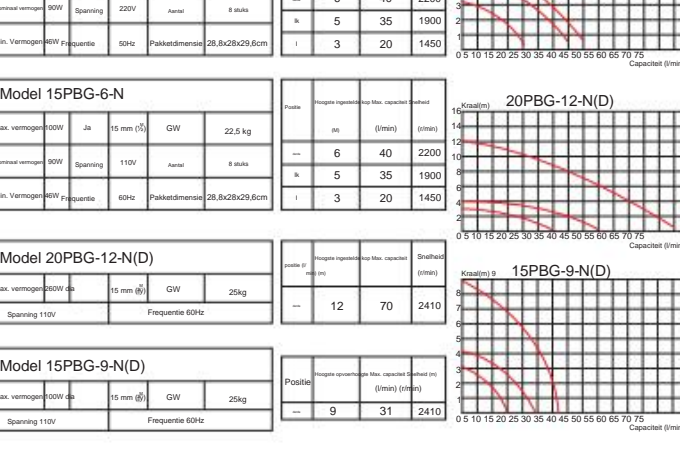
MODEL: 15PBG-6, 20PBG-12, 15PBG-9

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 weer van de besparingen die u kunt behalen door bepaalde gereedschappen bij ons te kopen in vergelijking met de grote topmerken en betekenen niet noodzakelijkerwijs dat alle categorieën gereedschappen die wij aanbieden, worden gedeeltelijk. 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.

VEVOR® TOUGH TOOLS, HALF PRICE

SHIELD TYPE CIRCULATION PUMP

MODEL: 15PBG-6, 20PBG-12, 15PBG-9



NEED HELP? CONTACT US!

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- 1 -

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Model 15PBG-6-N					
Max. voltage (V~V)	Ja	15 mm (1/2")	Q2W	22.5 kg	
Max. voltage (V~V)	Ja	15 mm (1/2")	Q2W	22.5 kg	
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Max. voltage (V~V)	Ja	15 mm (1/2")	Q2W	22.5 kg	
Max. voltage (V~V)	Ja	15 mm (1/2")	Q2W	22.5 kg	

Model 20PBG-12-N(D)					
Max. voltage (V~V)	Ja	15 mm (1/2")	Q2W	25kg	
Max. voltage (V~V)	Ja	15 mm (1/2")	Q2W	25kg	
Max. voltage (V~V)	Ja	15 mm (1/2")	Q2W	25kg	
Max. voltage (V~V)	Ja	15 mm (1/2")	Q2W	25kg	
Max. voltage (V~V)	Ja	15 mm (1/2")	Q2W	25kg	

Model 15PBG-9-N(D)					
Max. voltage (V~V)	Ja	15 mm (1/2")	Q2W	25kg	
Max. voltage (V~V)	Ja	15 mm (1/2")	Q2W	25kg	
Max. voltage (V~V)	Ja	15 mm (1/2")	Q2W	25kg	
Max. voltage (V~V)	Ja	15 mm (1/2")	Q2W	25kg	
Max. voltage (V~V)	Ja	15 mm (1/2")	Q2W	25kg	

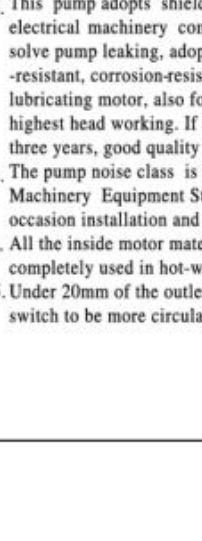
- 2 -

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⚠ SPECIAL WARNING

Before using, the pump must be reliable earth touch. Don't change the three-core wiring plug to avoid the power leakage. To make sure everything safe, please u must install some security measures, such as: the power leakage-breaker or electric shock blocker and so on.



1. Earth wiring and nil wiring must be separated. If no reliable earth wiring, the accident will be no business with us.

This type water pump's plug feet, if "L" is Live Wiring, "N" is Nil Wiring, the longest one is "E" earth touch wiring. Customer must pay attention to the connection to the plug, when you install the three-core socket.

Here we absolutely forbid u: unite the Nil wiring and Earth Wiring together, which can make power leakage dangerous.

2. Don't use blanket cover the motor or the pumps, Keep ventilation to avoid fire dangerous.

3. If you install our pump outdoor, please u should do some protection measures. Or it will decrease the using life span because of the sun-baked and raining. Worst it can make electric shock accident.

If you install our pump indoor, please avoid water spill to make electric shock; don't install inside the bathroom to avoid the cream and water going inside.

4. After a few years of normal use, if you hear any sound in the motor, please replace the internal shield components timely to prevent the danger of electric shock hazard by water leakage.

- 3 -

MAIN USE

The automatic type adapts to the cold pressurized circulation of hot water under 110 degrees Centigrade. Especially this pump absolutely solves the lit fire properly of shower owing to the lower pressure and unreliable pressure. When the tap water is of low pressure, automatic switch maybe provided. It can also boost pressure for solarwater heaters.

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MAIN FEATURES

- In the junction box there is adjustable knob trial-way switch, which be used to adjust the working speed: III is high-speed, II is middle-speed, I is low-speed. The lowest speed is about 40-50% of the highest one, the input speed is decreased to about 50%. Dear customer can adjust the speed to control the flow and the pressure according to the different circumstance. it's convenient and saving money.
- This pump adopts shielding set of stainless steel and keep water away from electrical machinery completely. Mechanical seal is not required, thus completely solve pump leaking, adopted the ceramic bearing, stainless steel shaft, friction-resistant, corrosion-resistant, automatic water circulation. It can be used for cooling lubricating motor, also for lubricate the bearing, the motor won't be damaged even highest head working. If the method is on right way, no need to maintenance for three years, good quality and long time use.
- The pump noise class is lower than the min. limitation of the «EEC Machinery Equipment Standard». It's most suitable for indoor lowest noise occasion installation and use.
- All the inside motor materials adopted the heating-resistant, so it can be completely used in hot-water circulation booster system.
- Under 20mm of the outlet & inlet Dia, they can be attached with the auto flow switch to be more circulation.

- 4 -

WORKING CONDATION

- Medium transportation temperature: 0C ~+110C
- Max circumstance temperature: + 40C
- Medium condition: clean, no solid substance, no mineral & oil substance, no stickiness.
- Chem. condition: near neutral, non-cauterization, non-explosion similar water (glycol max content: 30%)
- If you want to use other kinds liquids, please consult the factory.
- Max working pressure: 10bar
- Min. inlet pressure:
 - At +50C 0,05bar
 - At +95C 0,3bar
 - At +110C 1,0bar

All above, they are only suitable for altitude 300m, much higher 100m by 0.01bar adding. To avoid air-causticity, which making noise, you should keep min. pressure limitation.

The pump must be working at rated voltage range ± 10%, if the voltage is too lower, the pump will be coming out low speed or hardly start up, easily heating, lower head and pressure.

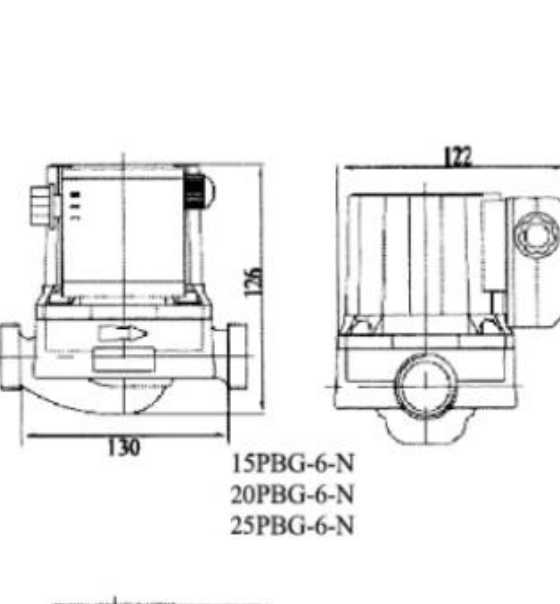
- 5 -

PRECAUTION

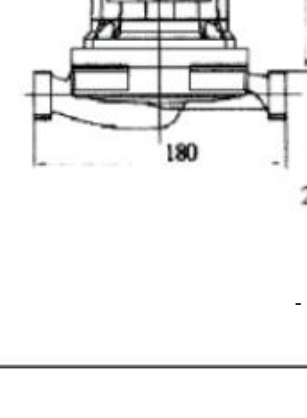
- When connect to the power supply, let the pump work several seconds to inspect the start-up normal or not. But don't let the pump working no water long time to affect the ceramic bearing span. Special the self-auto water pump, in case of no water suddenly, u should pay more attention to avoid unnecessary loss.
- Pls pay attention to the water drop on the wood floor or easily moisture goods, when exhausting the air or maintenance.
- Don't touch to avoid scald when our pump using in the heating system. The wiring materials must be heating-resistant.
- Before installation, make sure the pipeline welding well and clean. If there have foreign substance, welding clinker, dirt, they will damage the water pump.
- The place, where to install the pump, should be convenient to maintenance and change.
- We suggest that pls separate install the check valve at inlet or outlet for the maintenance. Then it can avoid the leaking water drop to the water pump and the junction box.
- Current flow direction should be same as the arrow on the pump.
- When the direction of the junction box isn't right, u can loose the hexagonal screw, return the motor to the right position. Pls don't damage the rubber gasker, then re-tighten the screw and check the seal gasket is ok or not.

- 6 -

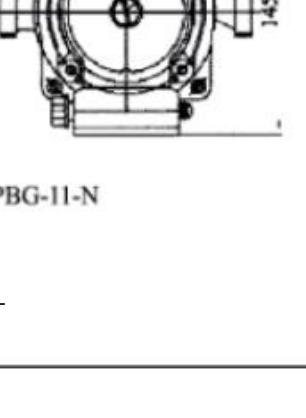
INSTALLATION SKETCH MAP



The wiring must be installed radian when connect to the junction box. To avoid the water going inside of the box.



Please use tools to connect with pipeline, when fix the outlet & inlet of the pumps, don't use hands directly to return at the motor, avoiding screw loose or inside locked.



- 7 -

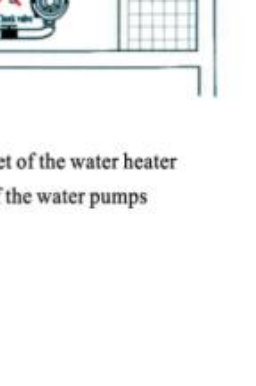
PUMPEXHAUST

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- Before using, please exhaust first.
- If the pump continue working one week for hot water circulation, please exhaust one time per week.

Exhaustion methods:

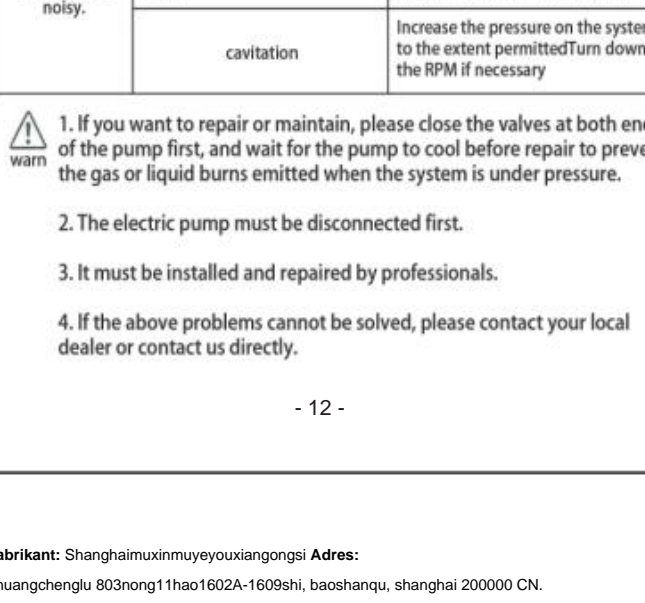
At first cut off the power and close the outer tap, then slowly twist the exhausting screw, use screw drive turn the pump shaft 15-30 seconds later, there will be some liquid coming out. After exhaustion, please tighten the screw on time.



⚠ WARNING Note: To avoid be scalded by the steam or hot-water during exhausting, please don't face the vent directly.

- 8 -

USE OCCASION



- Please don't install the pumps at the outlet of the water heater
- Please don't install the taps at the inlet of the water pumps

- 9 -

PRESTATIEPARAMETER

Model	Maximal Vermogen (W)	Spanning/Frequentie (V/Hz)	Max. stroom (l/min)	Max. Hoofd (M)	Snelheid (r/min)
15PBG-9	100	110/60	31	9	2800
20PBG-12	260	110/60	70	12	2800
15PBG-6	100	110/60	40	6	2800
15PBG-6 100	100	220/50	40	6	2800

INSTALLATION DIMENSION



- 11 -

Common faults and troubleshooting methods

breakdown	reason	Elimination method
Water pump fails to start	Off gear selected (position OFF)	Switch to automatic (position AUTO) or manual (position MANUAL)
	Flow size Cannot activate flow switch (flow must be greater than 2.0 L/min)	Switch to manual (position MANUAL)
	The flow switch contains impurities	Switch to automatic after starting (position AUTO)
Tap shut off the pump non-stop	Select manual gear (Position AUTO)	Switch to off (position OFF) or automatic (position MANUAL)
The pump runs but does not produce pressure	Main valve closed	Open the main valve
	System inlet air The air is in the pipe	With the tap open run the pump for a while or run the pump exhaust operation
The pump is noisy	There are impurities in the pump	Remove and clean water pump
	There is air in the system or pump	With the tap open run the pump for a while or run the pump exhaust
	cavitation	Increase the pressure on the system to the extent permitted Turn down the RPM if necessary

⚠ warn 1. If you want to repair or maintain, please close the valves at both ends of the pump first, and wait for the pump to cool before repair to prevent the gas or liquid burns emitted when the system is under pressure.

- The electric pump must be disconnected first.
- It must be installed and repaired by professionals.
- If the above problems cannot be solved, please contact your local dealer or contact us directly.

- 12 -

Fabrikant: Shanghai ximuyouxiangongsi Adres: Shuangchenglu 803nong11hao1602A-1609shi, baoshangu, shanghai 200000 CN.

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CIRKULATIONSUMP AV SKÖLDTYP

MODELL: 15PBG-6, 20PBG-12, 15PBG-9

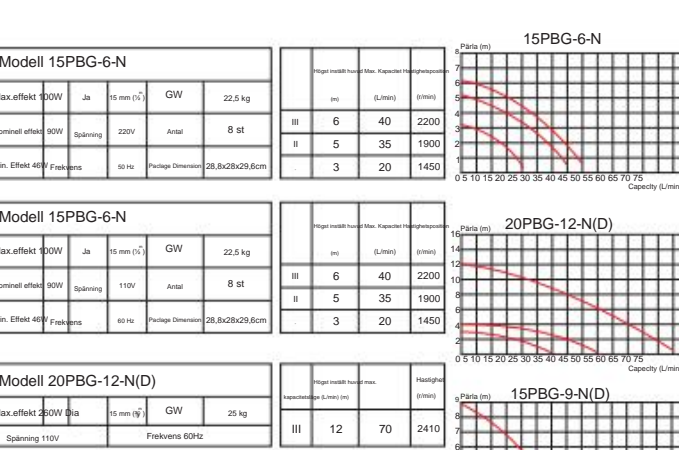
Vi försästrar att våra engagerade i att ge dig verktyg till konkurrenskraftiga priser.
"Spara hållten", "halva priset" eller andra liknande uttryck som används av oss.
representanter bara en uppskattning av besparingar du kan dra nytta av att köpa vissa
verktyg hos oss jämfört med de stora toppmärkena och betyder inte nödvändigtvis att täcka
alla kategorier av verktyg som erbjuds av oss. Du påminns om att noggrant kontrollera
när du gör en beställning hos oss om du verkligen sparar hållten i
jämförelse med de främsta varumärkena.

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TOUGH TOOLS, HALF PRICE

SHIELD TYPE CIRCULATION PUMP

MODEL: 15PBG-6, 20PBG-12, 15PBG-9



NEED HELP? CONTACT US!

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

Technical Support and E-Warranty Certificate
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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.

- 1 -

	Warning-To reduce the risk of injury, user must read instructions manual carefully.
	This product is subject to the provision of European Directive 2012/19/EC. The symbol showing a wheeled 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

Modell 15PBG-6-N						15PBG-6-N	
Max. effekt (kW)	Ja	15 mm (1/2")	GW	22.5 kg		Max. Head (m)	Max. Flow (L/min)
Normal effekt (kW)	Ja	15V	Amper	8 st	III	6	40
Max. Effekt (kW)	Ja	15V	Amper	8 st	III	6	40
Max. Effekt (kW)	Ja	15V	Amper	8 st	III	6	40
Max. Effekt (kW)	Ja	15V	Amper	8 st	III	6	40

Modell 15PBG-6-N						20PBG-12-N(D)	
Max. effekt (kW)	Ja	15 mm (1/2")	GW	22.5 kg		Max. Head (m)	Max. Flow (L/min)
Normal effekt (kW)	Ja	15V	Amper	8 st	III	6	40
Max. Effekt (kW)	Ja	15V	Amper	8 st	III	6	40
Max. Effekt (kW)	Ja	15V	Amper	8 st	III	6	40
Max. Effekt (kW)	Ja	15V	Amper	8 st	III	6	40

Modell 20PBG-12-N(D)						15PBG-9-N(D)	
Max. effekt (kW)	Ja	15 mm (1/2")	GW	25 kg		Max. Head (m)	Max. Flow (L/min)
Normal effekt (kW)	Ja	15V	Amper	8 st	III	12	70
Max. Effekt (kW)	Ja	15V	Amper	8 st	III	12	70
Max. Effekt (kW)	Ja	15V	Amper	8 st	III	12	70
Max. Effekt (kW)	Ja	15V	Amper	8 st	III	12	70

Modell 15PBG-9-N(D)							
Max. effekt (kW)	Ja	15 mm (1/2")	GW	25 kg		Max. Head (m)	Max. Flow (L/min)
Normal effekt (kW)	Ja	15V	Amper	8 st	III	9	31
Max. Effekt (kW)	Ja	15V	Amper	8 st	III	9	31
Max. Effekt (kW)	Ja	15V	Amper	8 st	III	9	31
Max. Effekt (kW)	Ja	15V	Amper	8 st	III	9	31

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Dear our customer:

Thank you for your purchase this series water pump and hereby we celebrate your water using problem can be completely solved. When u first use this kind pump, please read this instruction carefully and well keep it. As the instruction guide, u will use them correctly and elaborate all the best features and efficiency, no fault, to increase the using span. Our company's products will be continuous develop and create, if your purchase pump is not same as the instruction's structure, performance and specification, please following the pump Nameplate.

SPECIAL WARNING

Before using, the pump must be reliable earth touch. Don't change the three-core wiring plug to avoid the power leakage. To make sure everything safe, please u must install some security measures, such as: the power leakage-breaker or electric shock blocker and so on.

1. Earth wiring and nil wiring must be separated. If no reliable earth wiring, the accident will be no business with us.

This type water pump's plug feet, if "L" is Live Wiring, "N" is Nil Wiring, the longest one is "E" earth touch wiring. Customer must pay attention to the connection to the plug, when you install the three-core socket.

Here we absolutely forbid u: unite the Nil wiring and Earth Wiring together, which can make power leakage dangerous.

2. Don't use blanket cover the motor or the pumps, Keep ventilation to avoid fire dangerous.

3. If you install our pump outdoor, please u should do some protection measures. Or it will decrease the using life span because of the sun-baked and raining. Worst it can make electric shock accident.

If you install our pump indoor, please avoid water spill to make electric shock; don't install inside the bathroom to avoid the cream and water going inside.

4. After a few years of normal use, if you hear any sound in the motor, please replace the internal shield components timely to prevent the danger of electric shock hazard by water leakage.

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MAIN USE

The automatic type adapts to the cold pressurized circulation of hot water under 110 degrees Centigrade. Especially this pump absolutely solves the lit fire properly of shower owing to the lower pressure and unreliable pressure. When the tap water is of low pressure, automatic switch maybe provided. It can also boost pressure for solarwater heaters.

The speed regulation type adapts to matching of water heating system, like as: Automatic pressured and circulated for water separator, water collector, boiler and hanging boiler; matching for Water-cooled air-conditioning and center air conditioning system; water supply for washing machine when lower pressure; increase the flux and pressure for the tap water, supply and circulate liquid for industrial equipments. Parts of pump body adopt copper material, so that domestic using water is more sanitary.

MAIN FEATURES

- In the junction box there is adjustable knob trial-way switch, which be used to adjust the working speed: III is high-speed, II is middle-speed, I is low-speed. The lowest speed is about 40-50% of the highest one, the input speed is decreased to about 50%. Dear customer can adjust the speed to control the flow and the pressure according to the different circumstance. it's convenient and saving money.
- This pump adopts shielding set of stainless steel and keep water away from electrical machinery completely. Mechanical seal is not required, thus completely solve pump leaking, adopted the ceramic bearing, stainless steel shaft, friction-resistant, corrosion-resistant, automatic water circulation. It can be used for cooling lubricating motor, also for lubricate the bearing, the motor won't be damaged even highest head working. If the method is on right way, no need to maintenance for three years, good quality and long time use.
- The pump noise class is lower than the min. limitation of the «EEC Machinery Equipment Standard». It's most suitable for indoor lowest noise occasion installation and use.
- All the inside motor materials adopted the heating-resistant, so it can be completely used in hot-water circulation booster system.
- Under 20mm of the outlet & inlet Dia, they can be attached with the auto flow switch to be more circulation.

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WORKING CONDATION

- Medium transportation temperature: 0C ~+110C
- Max circumstance temperature: + 40C
- Medium condition: clean, no solid substance, no mineral & oil substance, no stickiness.
- Chem. condition: near neutral, non-cauterization, non-explosion similar water (glycol max content: 30%)
- If you want to use other kinds liquids, please consult the factory.
- Max working pressure: 10bar
- Min. inlet pressure:
 - At +50C 0,05bar
 - At +95C 0,3bar
 - At +110C 1,0bar

All above, they are only suitable for altitude 300m, much higher 100m by 0.01bar adding. To avoid air-causticity, which making noise, you should keep min. pressure limitation.

The pump must be working at rated voltage range ± 10%, if the voltage is too lower, the pump will be coming out low speed or hardly start up, easily heating, lower head and pressure.

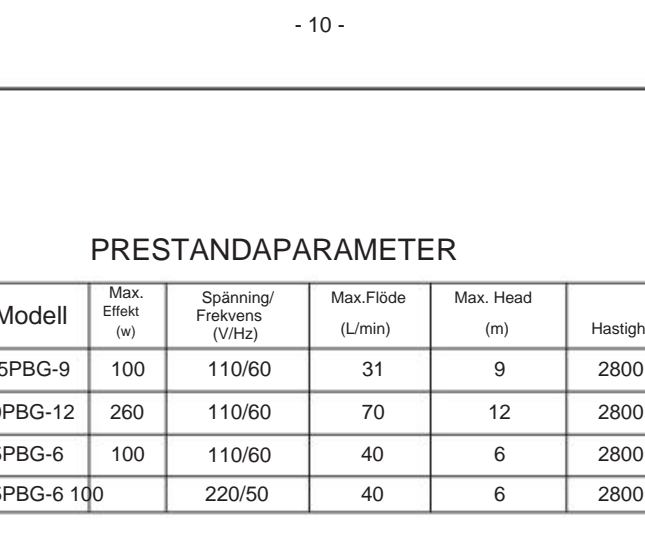
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PRECAUTION

- When connect to the power supply, let the pump work several seconds to inspect the start-up normal or not. But don't let the pump working no water long time to affect the ceramic bearing span. Special the self-auto water pump, in case of no water suddenly, u should pay more attention to avoid unnecessary loss.
- Pls pay attention to the water drop on the wood floor or easily moisture goods, when exhausting the air or maintenance.
- Don't touch to avoid scald when our pump using in the heating system. The wiring materials must be heating-resistant.
- Before installation, make sure the pipeline welding well and clean. If there have foreign substance, welding clinker, dirt, they will damage the water pump.
- The place, where to install the pump, should be convenient to maintenance and change.
- We suggest that pls separate install the check valve at inlet or outlet for the maintenance. Then it can avoid the leaking water drop to the water pump and the junction box.
- Current flow direction should be same as the arrow on the pump.
- When the direction of the junction box isn't right, u can loose the hexagonal screw, return the motor to the right position. Pls don't damage the rubber gasker, then re-tighten the screw and check the seal gasket is ok or not.

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INSTALLATION SKETCH MAP



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PUMPEXHAUST

Although the pump and water heater are working, but no central heating, because there's air in the pipe line to lead no circulation. Under general circumstance, after sometime working, we should use manual way.

⊙ Before using, please exhaust first.

⊙ If the pump continue working one week for hot water circulation, please exhaust one time per week.

Exhaustion methods:

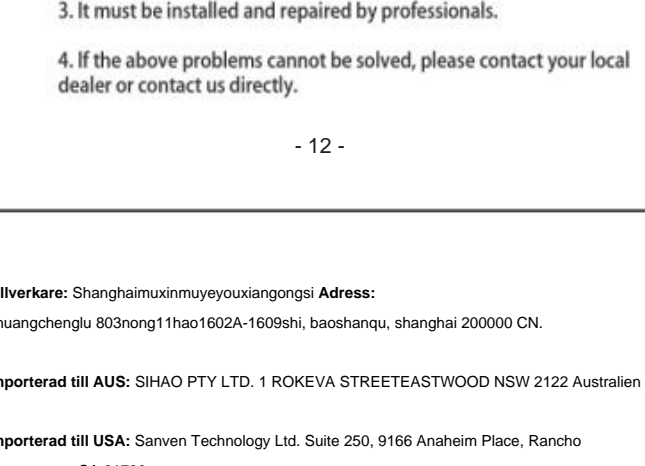
At first cut off the power and close the outer tap, then slowly twist the exhausting screw, use screw drive turn the pump shaft

15-30 seconds later, there will be some liquid coming out. After exhaustion, please tighten the screw on time.

Warning: Note: To avoid be scalded by the steam or hot-water during exhausting, please don't face the vent directly.

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USE OCCASION



- Please don't install the pumps at the outlet of the water heater
- Please don't install the taps at the inlet of the water pumps

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PRESTANDAPARAMETER

Modell	Max. Effekt (W)	Spänning/ Frekvens (V/Hz)	Max. Flöde (L/min)	Max. Head (m)	Hastighet (l/min)
15PBG-9	100	110/60	31	9	2800
20PBG-12	260	110/60	70	12	2800
15PBG-6	100	110/60	40	6	2800
15PBG-6 100	220/50	40	6	2800	

INSTALLATION DIMENSION

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Common faults and troubleshooting methods

breakdown	reason	Elimination method
Water pump fails to start	Off gear selected (position OFF)	Switch to automatic (position AUTO) or manual (position MANUAL)
	Flow size Cannot activate flow switch (flow must be greater than 2.0 L/min)	Switch to manual (position MANUAL)
	The flow switch contains impurities	Clean flow switch runner and valve
Tap shut off the pump non-stop	Select manual gear (Position AUTO)	Switch to off (position OFF) or automatic (position MANUAL)
The pump runs but does not produce pressure	Main valve closed	Open the main valve
	System inlet air The air is in the pipe	With the tap open run the pump for a while or run the pump exhaust operation
The pump is noisy.	There are impurities in the pump	Remove and clean water pump
	There is air in the system or pump	With the tap open run the pump for a while or run the pump exhaust
	cavitation	Increase the pressure on the system to the extent permitted Turn down the RPM if necessary

Warning: 1. If you want to repair or maintain, please close the valves at both ends of the pump first, and wait for the pump to cool before repair to prevent the gas or liquid burns emitted when the system is under pressure.

- The electric pump must be disconnected first.
- It must be installed and repaired by professionals.
- If the above problems cannot be solved, please contact your local dealer or contact us directly.

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