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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.

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

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 -

contact us:

90W Voltage 220V Qty

Min. Power 46W Frequency

instructions manual carefully. This product is subject to the provision of European Directive 2012/19/EC. 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 Model 15PBG-6-N Max.Capactit Max.Power 100W Dia 15mm(1/2 G. W 22.5kg

8Pcs

40

35

Model 15PBG-6-N 100W G. W Dia 15mm(½" 22.5kg (L/min) Ш 6 40 2200 Q۴ Rated Powe 90W 1100 П 5 35 60Hz 28.8x28x29.6cr 20 Model 20PBG-12-N(D) ax.Capac (L/min) Max.Power 260W Dia 15mm(¾*) G.W. 25kg 2410 70 Model 15PBG-9-N(D) 15mm(¾") wer 100W Dia

- 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 elaborateall 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 leakagebroker or electric shock blocker and so on. Earth wiring and nil wiring must be separated.
 If no reliable earth wiring, the accident will be

no business with us.

three-core socket.

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

3. If you install our pump outdoor, please u should do some protection

Wiring,

fire dangerous

pressure for solarwater heaters.

domestic using water is more sanitary.

This type water pump's plug feet, if "L" is Live firing, "N" is Nil Wiring, the longest one is "E"

earth touch wiring. Customer must pay attention to the connection to the piug, when you install the

Here we absolutely forbid u: unite the Nil wiring and Earth Wiring together, which can

make power leakage dangerous.

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

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,

MAIN FEATURES 1. In the junction box there is adjustable knob trial-way switsh, which be used to adjuse 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 accrording 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 CONDIATION

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

4. Chem. condition: near neutral non-cauterization non-explosion similar

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

2. Max circumstance temperature: + 40°C

no stickiness.

keep min. pressure limitation.

to aviod unnecessary loss.

water pump.

and change.

easily heating, lower head and pressure.

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+50℃ 0, 05bar b. At+95°C 0.3bar c. At+110℃ 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

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,

- 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

2. Pls pay attention to the water drop on the wood floor or easily moisture

3. Don't touch to avoid scald when our pump using in the heating system.

4. Before installation, make sure the pipeline welding well and clean. If there have foreign substance, welding clinker, dirt, they will damage the

5. The place, where to install the pump, should be convenient to maintenance

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

- 6 -

goods, when exhausting the air or maintenance.

The wiring materials must be heating-reslstant.

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.

pump and the junction box.

- INSTALLATION SKETCH MAP Pump must be installed horizontal, don't install inversion or vertical

- 7 -

PUMP EXHAUST 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.

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.

The wiring must be installed radian

when connect to the junction box.

To avoid the water going inside of

the box.

① Before using, please exhaust first. ② . If the pump continue working one week Exhausting for hot water circulation, please exhaust Screw 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 Water Basin 15-30 seconds later, there will be some liquid coming out. After exhaustion, please tighten the screw on time. To avoid be scalded by the steam or hot-warer 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 -

15PBG-6-N 20PBG-6-N 25PBG-6-N

20PBG-11-N - 10 -

PERFORMANCE PARAMETER

INSTALLATION DIMENSION

Max.Flow

(L/min)

31

70

40

40

Max.Head

(m)

9

12

6

6

15PBG-9 external water flow sv

Elimination method

Switch to automatic(position AUTO)

Switch to manual(position MANUAL)

Switch to automatic after starting (position AUTO)

Clean flow switch runner and valve

Increase the pressure on the system

to the extent permittedTurn down

the RPM if necessary

Switch to Off (position OFF)or

automatic (position MANUAL)

or manual (position MANUAL)

Speed

(r/min)

2800

2800

2800

2800

Voltage/

Frequency (V/Hz)

110/60

110/60

110/60

220/50

Max. Power (w)

100

260

100

100

15PBG-9 automatic integration

breakdown

Water pump

fails to start

Tap shut off the

pump non-stop

The pump is

noisy.

pump

Model

15PBG-9

20PBG-12

15PBG-6

15PBG-6

130

20PBG-12 automatic integration 20PBG-12 external water flow switch

- 11 -

Common faults and troubleshooting methods

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

cavitation

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.

reason

Flow size Cannot activate

flow switch (flow must be greater than 2.0 L/min) The flow switch contains

Off gear selected

(position OFF)

impurities

Select manual

gear (Position AUTO)

The electric pump must be disconnected first. 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 -

- Manufacturer: Shanghaimuxinmuyeyouxiangongsi
 - E-CrossStu GmbH

Address: Shuangchenglu 803nong11hao1602A-1609shi, baoshanqu, **REP** Mainzer Landstr.69, 60329 Frankfurt am Main. YH CONSULTING LIMITED. REP C/O YH Consulting Limited Office 147, Centurion House, London Road, Staines-upon-Thames, Surrey, TW18 4AX

(R)

TOUGH TOOLS, HALF PRICE

www.vevor.com/support

Technical Support and E-Warranty Certificate

shanghai 200000 CN. Imported to AUS: SIHAO PTY LTD. 1 ROKEVA STREETEASTWOOD NSW 2122 Australia Imported to USA: Sanven Technology Ltd. Suite 250, 9166 Anaheim Place, Rancho Cucamonga, CA 91730 EC UK

TOUGH TOOLS, HALF PRICE Assistance technique et certificat de garantie POMPE DE CIRCULATION DE TYPE BOUCLIER 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.

®

SHIELD TYPE **CIRCULATION PUMP**

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.

Modèle 20PBG-12-N(D)

Modèle 15PBG-9-N(D)

Dear our customer:

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

instructions manual carefully. This product is subject to the provision of European Directive 2012/19/EC. 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

- 1 -

electronic devices 15PBG-6-N Modèle 15PBG-6-N 22,5 kg 6 40 220\ Qté Modèle 15PBG-6-N

> 6 40 5

12 70 2410

- 2 -

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 elaborateall 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 brok er or electric shock blocker and so on. 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 piug, 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.

tuse blanket cover the motor or the pumps, Keep ventilation to avoid

-3--

MAIN USE

The speed regulation type adapts to matching of water heating system, like as:

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

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

4. All the inside motor materials adopted the heating-resistant, so it can be

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

- 4 -

WORKING CONDITTION

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

4. Chem. condition: near neutral non-cauterization non-explosion similar

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

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,

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

4. Before installation, make sure the pipeline welding well and clean. If there have foreign substance, welding clinker, dirt, they will damage the

5. The place, where to install the pump, should be convenient to maintenance

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

8. When the direction of the junction box isn't right, u can loose the hexangular

INSTALLATION SKETCH MAP

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

- 7 -

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.

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

completely used in hot-water circulation booster system.

Medium transportation temperature: 0°C ~+ 110°C

Max circumstance temperature: + 40°C

water (glycol max content: 30%)

6. Max working pressure: 10bar

no stickiness.

c. At+110 C

keep min. pressure limitation.

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

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. 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

pressure for solarwater heaters.

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, domestic using water is more sanitary. MAIN FEATURES In the junction box there is adjustable knob trial-way switsh, which be used to adjuse 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 accrording to the different circumstance, it's convenient and saving money. 2. This pump adopts shielding set of stainless steel and keep water away from

three years, good quality and long time use

occasion installation and use

switch to be more circulation.

7. Min. inlet pressure: a. At+50°C 0, 05bar b. At+95°C 0.3bar

- 5 -

easily heating, lower head and pressure.

- PRECAUTION
- to aviod 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.

pump and the junction box.

water pump.

The wiring materials must be heating-resistant.

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 -

7. Current flow direction should be same as the arrow on the pump.

the box.

The wiring must be installed radian

when connect to the junction box. To avoid the water going inside of

PUMP EXHAUST 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.

one time per week.

Exhaustion methods:

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

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.

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

- 8 -

130

Fréquence (V/Hz) 15PBG-9 110/60 100 31 20PBG-12 260 110/60 70 15PBG-6 100 110/60 40 220/50 15PBG-6 100 40

Tension/

Max.

15PBG-9 automatic integration

20PBG-12 automatic integration

breakdown

Tap shut off the

pump non-stop

The pump

runs but does

not produce

pressure

The pump is

noisy.

Modèle

PARAMÈTRE DE PERFORMANCE

Débit max.

(L/min)

INSTALLATION DIMENSION

- 11 -

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

Select manual

Main valve closed

is in the pipe

pump

dealer or contact us directly.

gear (Position AUTO)

System inlet air The air

There are impurities in the pump There is air in the system or

cavitation

reason

- 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.
- Fabricant : Shanghaimuxinmuyeyouxiangongsi Adresse : Shuangchenglu 803nong11hao1602A-1609shi, baoshangu, shanghai 200000 CN.

- 12 -

Importé en Australie : SIHAO PTY LTD. 1 ROKEVA STREETEASTWOOD NSW 2122 Australie

· Please don't install the pumps at the outlet of the water heater

USE OCCASION

- · Please don't install the taps at the inlet of the water pumps - 9 -
 - 15PBG-6-N 20PBG-6-N 25PBG-6-N
 - 20PBG-11-N - 10 -

Hauteur max.

(m)

9

12

6

Vitesse

(tr/min)

2800

2800

2800

2800

vitch

Common faults and troubleshooting methods

Elimination method

15PBG-9 external water flow s

20PBG-12 external water flow switch

- Switch to Off (position OFF)or automatic (position MANUAL) Open the main valve With the tap open run the pump for a while or run the pump exhaust operation
- Remove and clean water pump With the tap open run the pump for a while or run the pump exhaust Increase the pressure on the system to the extent permittedTurn down the RPM if necessary
- It must be installed and repaired by professionals. 4. If the above problems cannot be solved, please contact your local
- Importé aux États-Unis : Sanven Technology Ltd. Suite 250, 9166 Anaheim Place, Rancho Cucamonga, CA 91730
- E-CrossStu GmbH Mainzer Landstr.69, 60329 Francfort-sur-le-Main. YH CONSULTING LIMITÉE.
- C/O YH Consulting Limited Bureau 147, Centurion House, London Road, Staines-upon-Thames, Surrey, TW18 4AX

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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. wir sind weiternin bestreot, innen werkzeuge zu weitbewerbstanigen 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 tatsächlich die Hälfte spare

VEVO

TOUGH TOOLS, HALF PRICE

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SHIELD TYPE **CIRCULATION PUMP**

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- 1 -

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Modell 15PBG-9-N(D)

the pump Nameplate.

fire dangerous

going inside.

contact us:

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 15PBG-6-N Modell 15PBG-6-N 22,5 kg

6 Modell 15PBG-6-N 22,5 kg 6 40 5 Modell 20PBG-12-N(D)

12

2410

Capedly (l/min)	
-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	

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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 broker or electric shock blocker and so on. 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 piug, when you install the three-core socket. Here we absolutely forbid u: unite the Nil wiring and Earth Wiring together, which can

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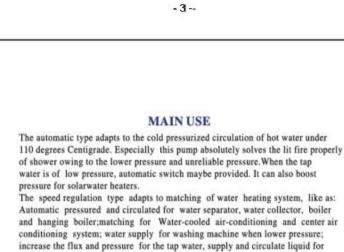
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3. If you install our pump outdoor, please u should do some protection measures. Or it will decrease the using life span because of the sun-baked and raining. Worst it can make electric shock accident. If you install our pump indoor, please avoid water spill to make electric shock; don't install inside the bathroom to avoid the cream and water

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

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domestic using water is more sanitary.

three years, good quality and long time use

shock hazard by water leakage.

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 CONDITTION

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4. Chem. condition: near neutral non-cauterization non-explosion similar

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

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PRECAUTION

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INSTALLATION SKETCH MAP

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

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.

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

a. At+50°C 0, 05bar b. At+95°C 0.3bar c. At+110 C 1,0bar

Medium transportation temperature: 0°C ~+ 110°C

Max circumstance temperature: + 40°C

water (glycol max content: 30%)

6. Max working pressure: 10bar

keep min. pressure limitation.

7. Min. inlet pressure:

no stickiness.

- 5 -

easily heating, lower head and pressure.

to aviod unnecessary loss.

water pump.

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

goods, when exhausting the air or maintenance.

The wiring materials must be heating-resistant.

- 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 -

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

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

one time per week.

Exhaustion methods:

- 7 -

PUMP EXHAUST 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.

liquid coming out. After exhaustion, please tighten the screw on time.

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

- 8 -

The wiring must be installed radian

when connect to the junction box.

To avoid the water going inside of

the box.

- USE OCCASION
- 10 -

Max

Leistung

(W)

100

260

100

Modell

15PBG-9

20PBG-12

15PBG-6

15PBG-6 100

LEISTUNGSPARAMETER

Frequenz

(V/Hz)

110/60

110/60

110/60

220/50

1	20PBG-12 automatic integration 20PBG-12 external water flow switch			
	- 11 -			

 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. It must be installed and repaired by professionals.

cavitation

- - E-CrossStu GmbH er der EG Mainzer Landstr.69, 60329 Frankfurt am Main. YH CONSULTING LIMITED.

· 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 -

130

15PBG-6-N 20PBG-6-N 25PBG-6-N

20PBG-11-N

Max. Durchfluss

31

70

40

40

INSTALLATION DIMENSION

Common faults and troubleshooting methods

(l/min)

Max.Kopf

(M)

9

12

6

6

Drehzahl

(U/min)

2800

2800

2800

2800

vitch

Elimination method

Switch to automatic(position AUTO)

a while or run the pump exhaust

Increase the pressure on the system

to the extent permittedTurn down

the RPM if necessary

15PBG-9 automatic integration 15PBG-9 external water flow s

Off gear selected (position OFF) or manual (position MANUAL) Water pump Flow size Cannot activate Switch to manual(position MANUAL) fails to start flow switch (flow must be Switch to automatic after starting greater than 2.0 L/min) (position AUTO) The flow switch contains impurities Tap shut off the Select manual gear (Position AUTO) pump non-stop

reason

breakdown

The pump is

noisy.

4. If the above problems cannot be solved, please contact your local dealer or contact us directly. - 12 -

Hersteller: Shanghaimuxinmuyeyouxiangongsi Adresse: Shuangchenglu 803nong11hao1602A-1609shi, baoshanqu, Shanghai 200000 CN. Nach AUS importiert: SIHAO PTY LTD. 1 ROKEVA STREETEASTWOOD NSW 2122 Australien Importiert in die USA: Sanven Technology Ltd. Suite 250, 9166 Anaheim Place, Rancho Cucamonga, CA 91730

Clean flow switch runner and valve Switch to Off (position OFF)or automatic (position MANUAL) The pump Main valve closed Open the main valve runs but does With the tap open run the pump for System inlet air The air not produce a while or run the pump exhaust is in the pipe pressure operation Remove and clean water pump There are impurities in the pump There is air in the system or With the tap open run the pump for

pump

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

UK REP

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www.vevor.com/support

TOUGH TOOLS, HALF PRICE Supporto tecnico e certificato di garanzia elettronica www.vevor.com/support POMPA DI CIRCOLAZIONE TIPO SHIELD MODELLO: 15PBG-6, 20PBG-12, 15PBG-9 determinati utensili con noi rispetto ai principali marchi principali e non significa necessariamente coprire tutte le categorie di utensili da noi offerti. Ti ricordiamo

®

SHIELD TYPE **CIRCULATION PUMP**

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 gentilmente di verificare attentamente quando effettui un ordine con noi se stai effettivamente risparmiando la metà rispetto ai principali marchi principali.

NEED HELP? CONTACT US! Have product questions? Need technical support? Please feel free to

contact us:

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

there are any technology or software updates on our product. - 1 -

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

instructions manual carefully. This product is subject to the provision of European Directive 2012/19/EC. 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

Modello 20PBG-12-N(D)

electronic devices 15PBG-6-N Modello 15PBG-6-N 22,5 kg Qtà Modello 15PBG-6-N 6 40

5

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 elaborateall 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. 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

no business with us.

three-core socket.

Wiring,

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

This type water pump's plug feet, if "L" is Live iring, "N" is Nil Wiring, the longest one is "E"

earth touch wiring. Customer must pay attention to the connection to the piug, when you install the

Here we absolutely forbid u: unite the Nil wiring and Earth Wiring together, which can

make power leakage dangerous.

tuse blanket cover the motor or the pumps, Keep ventilation to avoid

-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

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,

MAIN FEATURES In the junction box there is adjustable knob trial-way switsh, which be used to adjuse the working speed: III is high-speed, II is middle-speed, I is low-speed. The

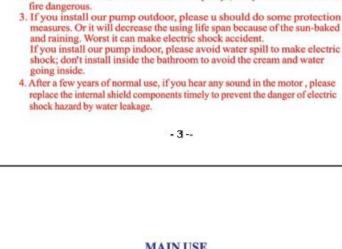
Machinery Equipment Standard». It's most suitable for indoor lowest noise

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

- 4 -

4. All the inside motor materials adopted the heating-resistant, so it can be

broker or electric shock blocker and so on.



pressure for solarwater heaters.

domestic using water is more sanitary.

occasion installation and use

switch to be more circulation.

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 accrording 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

completely used in hot-water circulation booster system.

WORKING CONDITTION Medium transportation temperature: 0°C ~+ 110°C 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%)

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

0, 05bar

0.3bar

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

- 5 -

PRECAUTION

1. When connect to the power supply, let the pump work several seconds to

2. Pls pay attention to the water drop on the wood floor or easily moisture

3. Don't touch to avoid scald when our pump using in the heating system.

4. Before installation, make sure the pipeline welding well and clean. If there have foreign substance, welding clinker, dirt, they will damage the

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

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 -

PUMP EXHAUST 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.

liquid coming out. After exhaustion, please tighten the screw on time.

USE OCCASION

- 9 -

15PBG-6-N 20PBG-6-N 25PBG-6-N

20PBG-11-N

(I/min)

Velocità

(giri/min)

2800

2800

2800

2800

vitch

(M)

15PBG-9 external water flow s

20PBG-12 external water flow switch

- 10 -

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.

6. Max working pressure: 10bar

7. Min. inlet pressure:

a. At+50°C

b. At+95°C

c. At+110 C

- 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 aviod unnecessary loss.

water pump.

goods, when exhausting the air or maintenance.

The wiring materials must be heating-resistant.

- 5. The place, where to install the pump, should be convenient to maintenance 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
- 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.

To avoid be scalded by the steam or hot-warer during exhausting, please don't face the vent directly. - 8 -

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

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

one time per week.

Exhaustion methods:

· 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

130

PARAMETRO DI PRESTAZIONE Voltaggio/ Potenza Frequenza (V/Hz) Modello 15PBG-9 100 20PBG-12 260 15PBG-6 100

15PBG-9 automatic integration 20PBG-12 automatic integration

- 11 reason

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. 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 -

Indirizzo: Shuangchenglu 803nong11hao1602A-1609shi, baoshanqu,

noisy.

110/60 31 9 110/60 70 12 110/60 40 6 15PBG-6 100 220/50 40 6 INSTALLATION DIMENSION

Produttore: Shanghaimuxinmuyeyouxiangongsi

Supporto tecnico e certificato di garanzia elettronica www.vevor.com/support

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R

Common faults and troubleshooting methods breakdown Elimination method Off gear selected (position OFF) Switch to automatic(position AUTO) or manual (position MANUAL) Water pump Flow size Cannot activate Switch to manual(position MANUAL) fails to start flow switch (flow must be Switch to automatic after starting greater than 2.0 L/min) (position AUTO) The flow switch contains impurities Tap shut off the

Clean flow switch runner and valve Select manual Switch to Off (position OFF)or gear (Position AUTO) pump non-stop automatic (position MANUAL) The pump Main valve closed Open the main valve runs but does With the tap open run the pump for System inlet air The air not produce a while or run the pump exhaust is in the pipe pressure operation There are impurities in the pump There is air in the system or The pump is

Remove and clean water pump With the tap open run the pump for pump a while or run the pump exhaust Increase the pressure on the system cavitation to the extent permittedTurn down the RPM if necessary If you want to repair or maintain, please close the valves at both ends

Soporte técnico y certificado de garantía electrónica www.vevor.com/support BOMBA DE CIRCULACIÓN TIPO ESCUDO MODELO: 15PBG-6, 20PBG-12, 15PBG-9 Seguimos comprometidos a brindarle herramientas a precios competitivos. "Ahorre la mitad", "mitad de precio" o cualquier otra expresión similar que utilica solo representa una estimación del ahorro que podría obtener al comprar ciertas erramientas 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 SHIELD TYPE **CIRCULATION PUMP**

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Modelo 15PBG-6-N

Modelo 20PBG-12-N(D)

Modelo 15PBG-9-N(D)

Dear our customer:

the pump Nameplate.

shock hazard by water leakage.

pressure for solarwater heaters.

occasion installation and use

switch to be more circulation.

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

This product is subject to the provision of European Directive 2012/19/EC. 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

instructions manual carefully.

electronic devices

15PBG-6-N

NEED HELP? CONTACT US!

22,5 kilo 6 40 Modelo 15PBG-6-N Ш 6 40 5 II

> 12 70 2410

- 2 -

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 elaborateall 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

SPECIAL WARNING

Before using, the pu three-core wiring plug to	mp must be reliable earth touch. Don't change the avoid the power leakage. To make sure everything some security measures, such as: the power leakage-blocker and so on.
	Earth wiring and nil wiring must be separated. If no reliable earth wiring, the accident will be no business with us.
Reliable each bouch wiring E type pump each touch wiring Neaf wiring	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 piug, when you install the three-core socket.
Live Ni Live	Here we absolutely forbid u: unite the Nil wiring and Earth Wiring together, which can make power leakage dangerous.
Don't use blanket cov- fire dangerous.	er the motor or the pumps, Keep ventilation to avoid
If you install our pur measures. Or it will do	mp outdoor, please u should do some protection ccrease the using life span because of the sun-baked can make electric shock accident.
If you install our pun	p indoor, please avoid water spill to make electric side the bathroom to avoid the cream and water
4. After a few years of no	rmal use, if you hear any sound in the motor, please

replace the internal shield components timely to prevent the danger of electric

-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

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,

MAIN FEATURES

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 $^{\circ}$ EEC

4. All the inside motor materials adopted the heating-resistant, so it can be

completely used in hot-water circulation booster system.

Machinery Equipment Standard». It's most suitable for indoor lowest noise

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

- 4 -

WORKING CONDIATION

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

0, 05bar

0.3bar

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

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,

PRECAUTION

water pump, in case of no water suddenly, u should pay more attention

2. Pls pay attention to the water drop on the wood floor or easily moisture

3. Don't touch to avoid scald when our pump using in the heating system.

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

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

- 7 -

PUMP EXHAUST 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.

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. Current flow direction should be same as the arrow on the pump.

domestic using water is more sanitary. In the junction box there is adjustable knob trial-way switsh, which be used to adjuse 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 accrording to the different circumstance, it's convenient and saving money. 2. This pump adopts shielding set of stainless steel and keep water away from

conditioning

no stickiness. 4. 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. 6. Max working pressure: 10bar 7. Min. inlet pressure:

Medium transportation temperature: 0°C ~+ 110°C

Max circumstance temperature: + 40 °C

a. At+50°C

b. At+95°C

c. At+110 C

keep min. pressure limitation.

- 5 -

easily heating, lower head and pressure.

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

goods, when exhausting the air or maintenance.

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

pump and the junction box.

to aviod unnecessary loss.

- The wiring must be installed radian when connect to the junction box. To avoid the water going inside of the box.
 - 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. To avoid be scalded by the steam or hot-warer during exhausting, please don't face the vent directly.

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

At first cut off the power and close the outer tap, then slowly twist the exhausting

one time per week.

Exhaustion methods:

- 9 -
- - 25PBG-6-N

130

220/50 15PBG-6 100 40 INSTALLATION DIMENSION

Máx.

Potencia

(w)

100

260

100

15PBG-9 automatic integration

20PBG-12 automatic integration

Water pump

fails to start

Tap shut off the

pump non-stop

The pump

runs but does

not produce

pressure

Modelo

15PBG-9

20PBG-12

15PBG-6

- 11 -Common faults and troubleshooting methods breakdown reason Elimination method 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)

The flow switch contains

gear (Position AUTO)

System inlet air The air

impurities

Select manual

Main valve closed

is in the pipe

- Remove and clean water pump There are impurities in the pump There is air in the system or With the tap open run the pump for The pump is pump a while or run the pump exhaust noisy. Increase the pressure on the system cavitation to the extent permittedTurn 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. It must be installed and repaired by professionals.
 - 12 -

4. If the above problems cannot be solved, please contact your local

- 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

15PBG-6-N 20PBG-6-N

20PBG-11-N

Flujo máx.

(l/min)

31

70

40

- 10 -

PARÁMETRO DE RENDIMIENTO

Voltaje/

Frecuencia (V/Hz)

110/60

110/60

110/60

- 15PBG-9 external water flow s vitch

20PBG-12 external water flow switch

Cabeza máx.

9

12

6

Velocidad (rpm)

2800

2800

2800

2800

Switch to Off (position OFF)or automatic (position MANUAL) Open the main valve With the tap open run the pump for a while or run the pump exhaust operation

(position AUTO)

Switch to manual(position MANUAL)

Switch to automatic after starting

Clean flow switch runner and valve

- E-CrossStu GmbH Mainzer Landstr.69, 60329 Fráncfort del Meno.
- Cucamonga, CA 91730

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dealer or contact us directly.

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R

elektronicznej www.vevor.com/support POMPA CYRKULACYJNA TYPU TARCZOWEGO MODEL: 15PBG-6, 20PBG-12, 15PBG-9 Nadal staramy się oferowaćPaństwu narzędzia w konkurencyjnych cenach. "Oszczędzaj poł owę", "Poł owa ceny" lub inne podobne wyraż enia uż ywane przez nas stanowią jedynie szacunkowe oszczędnoś ci, jakie moż esz uzyskać kupując u nas okreś lone narzędzia w porównaniu z gł ównymi markami i niekoniecznie oznaczają one objęcie wszystkich kategorii oferowanych przez nas narzędzi. Uprzejmie przypominamy, aby przy skł adaniu zamówienia dokł adnie sprawdzić czy faktycznie oszczędzasz poł owę w porównaniu z gł ównymi markami. SHIELD TYPE

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CIRCULATION PUMP

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

instructions manual carefully.

This product is subject to the provision of European Directive 2012/19/EC. 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

electronic devices

6

6 40 2200

12 70

- 2 -

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

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 piug, when you install the

Here we absolutely forbid u: unite the Nil wiring and Earth Wiring together, which can

make power leakage dangerous.

no business with us.

three-core socket.

-3|--

MAIN USE

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

highest head working. If the method is on right way, no need to maintenance for

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

4. All the inside motor materials adopted the heating-resistant, so it can be

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

- 4 -

4. Chem. condition: near neutral non-cauterization non-explosion similar

0, 05bar

0.3bar

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

- 5 -

PRECAUTION

4. Before installation, make sure the pipeline welding well and clean. If there have foreign substance, welding clinker, dirt, they will damage the

5. The place, where to install the pump, should be convenient to maintenance

- 6 -

INSTALLATION SKETCH MAP

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

The wiring materials must be heating-resistant.

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

completely used in hot-water circulation booster system.

15PBG-6-N

- 1 -

as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and Modele 15PBG-6-N 22,5 kg 8 szt Modele 15PBG-6-N

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 elaborateall 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

er or electric shock blocker and so on.

brok

Modele 20PBG-12-N(D)

Modele 15PBG-9-N(D)

15 mm (\tilde{b})

tuse blanket cover the motor or the pumps, Keep ventilation to avoid 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. The automatic type adapts to the cold pressurized circulation of hot water under

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, domestic using water is more sanitary. MAIN FEATURES In the junction box there is adjustable knob trial-way switsh, which be used to adjuse 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 accrording 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

three years, good quality and long time use

occasion installation and use

switch to be more circulation.

WORKING CONDITTION Medium transportation temperature: 0°C ~+ 110°C Max circumstance temperature: + 40°C 3. Medium condition: clean, no solid substance, no mineral & oil substance, no stickiness.

water (glycol max content: 30%)

6. Max working pressure: 10bar

7. Min. inlet pressure:

a. At+50°C

b. At+95°C

c. At+110 C

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.

- 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 aviod 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.

water pump.

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

USE OCCASION

PARAMETR WYDAJNOŚCI Model Moc (w) (V/Hz) 15PBG-9 100 20PBG-12 260 15PBG-6 100 15PBG-6 100

20PBG-12 automatic integration breakdown

Common faults and troubleshooting methods reason Off gear selected (position OFF) Water pump Flow size Cannot activate fails to start flow switch (flow must be greater than 2.0 L/min) The flow switch contains impurities Tap shut off the Select manual gear (Position AUTO) pump non-stop The pump Main valve closed runs but does not produce pressure

System inlet air The air is in the pipe operation There are impurities in the pump There is air in the system or The pump is pump noisy. cavitation 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. 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 -

200000 CN. Rancho Cucamonga, CA 91730 E-CrossStu GmbH iel UE YH CONSULTING LIMITED. EJ BRYTANII

TOUGH TOOLS, HALF PRICE Wsparcie techniczne i certyfikat gwarancji elektronicznej www.vevor.com/support

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.

> 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.

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

- 8 -

- 7 -

PUMP EXHAUST

· 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 -

130 15PBG-6-N 20PBG-6-N 25PBG-6-N

Woltaż / Częstotliw

- 11 -

Switch to Off (position OFF)or automatic (position MANUAL) Open the main valve With the tap open run the pump for

Producent: Shanghaimuxinmuyeyouxiangongsi Adres: Shuangchenglu 803nong11hao1602A-1609shi, baoshanqu, szanghaj Importowane do AUS: SIHAO PTY LTD. 1 ROKEVA STREETEASTWOOD NSW 2122 Australia Importowane do USA: Sanven Technology Ltd. Suite 250, 9166 Anaheim Place, Mainzer Landstr.69, 60329 Frankfurt nad Menem. C/O YH Consulting Limited Biuro 147, Centurion House, London Road, Staines-upon-Thames, Surrey, TW18 4AX R

Prędkoś ć woś ć (L/min) (M) (obr./min) 110/60 31 9 2800 110/60 70 12 2800 110/60 40 2800 6 220/50 40 6 2800 INSTALLATION DIMENSION 15PBG-9 automatic integration 15PBG-9 external water flow s vitch

20PBG-11-N

- 10 -

20PBG-12 external water flow switch

Elimination method

Switch to automatic(position AUTO) or manual (position MANUAL)

Switch to manual(position MANUAL)

Switch to automatic after starting

Clean flow switch runner and valve

(position AUTO)

a while or run the pump exhaust Remove and clean water pump With the tap open run the pump for a while or run the pump exhaust Increase the pressure on the system to the extent permittedTurn down the RPM if necessary

® VEVO TOUGH TOOLS, HALF PRICE Technische ondersteuning en e-garantiecertificaat 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 betekent niet noodzakelijkerwijs dat alle categorieën gereedschappen die wij aanbieden, worden gedekt. Wij herinneren u eraan om zorgvuldig te

nerken wanneer u een bestelling bij ons plaat

SHIELD TYPE **CIRCULATION PUMP**

controleren of u daadwerkelijk de helft bespaart in vergelijking met de grote

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

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

instructions manual carefully.

15PBG-6-N

electronic devices

6 40 5

12

- 2 -

-3--

MAIN USE

MAIN FEATURES

Machinery Equipment Standard». It's most suitable for indoor lowest noise

- 4 -

WORKING CONDITTION

0, 05bar

0.3bar

1,0bar

- 5 -

PRECAUTION

1. When connect to the power supply, let the pump work several seconds to

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

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

- 6 -

INSTALLATION SKETCH MAP

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

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. Current flow direction should be same as the arrow on the pump.

pump and the junction box.

4. All the inside motor materials adopted the heating-resistant, so it can be

completely used in hot-water circulation booster system.

2410

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 -

This product is subject to the provision of European Directive 2012/19/EC. 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

220\

GW

22,5 kg

Model 15PBG-6-N

Model 15PBG-6-N

Model 20PBG-12-N(D)

Model 15PBG-9-N(D)

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 elaborateall 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 broker or electric shock blocker and so on. 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 piug, 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. tuse blanket cover the motor or the pumps, Keep ventilation to avoid 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.

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, domestic using water is more sanitary. In the junction box there is adjustable knob trial-way switsh, which be used to adjuse 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 accrording 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

occasion installation and use

5. Under 20mm of the outlet & inlet Dia, they can be attached with the auto flow switch to be more circulation. Medium transportation temperature: 0°C ~+ 110°C 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%) If you want to use other kinds liquids, please consult the factory. 6. Max working pressure: 10bar 7. Min. inlet pressure: a. At+50°C b. At+95°C c. At+110 C 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.

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 aviod 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

gasker, then re-tighten the screw and check the seal gasket is ok or not.

when connect to the junction box. To avoid the water going inside of the box.

liquid coming out. After exhaustion, please tighten the screw on time.

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

> To avoid be scalded by the steam or hot-warer 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 -

15PBG-6-N

- 10 -

Max. stroom

31

70

40

40

(I/min)

Max.Hoofd

(M)

9

12

6

15PBG-9 external water flow s

Elimination method

Snelheid

(r/min)

2800

2800

2800

2800

vitch

Model

15PBG-9

20PBG-12

15PBG-6 15PBG-6 100

20PBG-12 automatic integration breakdown Water pump fails to start Tap shut off the pump non-stop The pump runs but does not produce pressure The pump is noisy.

pump Fabrikant: Shanghaimuxinmuyeyouxiangongsi Adres: Shuangchenglu 803nong11hao1602A-1609shi, baoshanqu, shanghai 200000 CN.

impurities Select manual Main valve closed is in the pipe There is air in the system or 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. 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. Geïmporteerd naar AUS: SIHAO PTY LTD. 1 ROKEVA STREETEASTWOOD NSW 2122 Australië Geïmporteerd naar de VS: Sanven Technology Ltd. Suite 250, 9166 Anaheim Place, Rancho Cucamonga, CA 91730

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YH CONSULTING LIMITED.

REP

- 7 -PUMP EXHAUST 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

The wiring must be installed radian

20PBG-6-N 25PBG-6-N 20PBG-11-N

130

PRESTATIEPARAMETER Spanning/ Frequentie (V/Hz) Vermogen 110/60 100 260 110/60 100 110/60 220/50 INSTALLATION DIMENSION 15PBG-9 automatic integration

Off gear selected (position OFF)

20PBG-12 external water flow switch - 11 -Common faults and troubleshooting methods reason Switch to automatic(position AUTO) or manual (position MANUAL) Flow size Cannot activate Switch to manual(position MANUAL) flow switch (flow must be Switch to automatic after starting greater than 2.0 L/min) (position AUTO) The flow switch contains Clean flow switch runner and valve Switch to Off (position OFF)or gear (Position AUTO) automatic (position MANUAL) Open the main valve With the tap open run the pump for System inlet air The air a while or run the pump exhaust operation Remove and clean water pump There are impurities in the pump With the tap open run the pump for a while or run the pump exhaust Increase the pressure on the system cavitation to the extent permittedTurn down the RPM if necessary

- 12 -

Mainzer Landstr.69, 60329 Frankfurt am Main. Londen Road, Staines-upon-Thames, Surrey, TW18 4AX

C/O YH Consulting Limited Kantoor 147, Centurion House,

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 om att noggrant kontrollera när du gör en beställning hos oss om du verkligen sparar hälften i jämförelse med de främsta varumärkena 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 -

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CIRKULATIONSPUMP AV SKÖLDTYP

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

This product is subject to the provision of European Directive 2012/19/EC. 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 Modell 15PBG-6-N 22,5 kg 220\ Anta 8 st Modell 15PBG-6-N GW 22,5 kg 6 40 8 st 5 Modell 20PBG-12-N(D) 12 2410 Modell 15PBG-9-N(D) ekt 100W Dia - 2 -

instructions manual carefully.

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 elaborateall 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

 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

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

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,

MAIN FEATURES

- 4 -

WORKING CONDITTION

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

4. Chem. condition: near neutral non-cauterization non-explosion similar

0, 05bar

PRECAUTION

there have foreign substance, welding clinker, dirt, they will damage the

5. The place, where to install the pump, should be convenient to maintenance

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

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

- 7 -

PUMP EXHAUST 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.

liquid coming out. After exhaustion, please tighten the screw on time.

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

USE OCCASION

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. Current flow direction should be same as the arrow on the pump.

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

Medium transportation temperature: 0°C ~+ 110°C

Max circumstance temperature: + 40°C

water (glycol max content: 30%)

6. Max working pressure: 10bar

7. Min. inlet pressure:

a. At+50°C

no stickiness.

15PBG-6-N

 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 iring, "N" is Nil Wiring, the longest one is "E" Wiring, earth touch wiring. Customer must pay attention to the connection to the piug, 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. tuse 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--

er or electric shock blocker and so on.

Dear our customer:

the pump Nameplate.

brok

 In the junction box there is adjustable knob trial-way switsh, which be used to adjuse 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 accrording 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.

pressure for solarwater heaters.

domestic using water is more sanitary.

b. At+95°C 0.3bar c. At+110 C 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 -

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 aviod 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

water pump.

pump and the junction box.

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

- 8 -

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

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

one time per week.

Exhaustion methods:

· 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 -

130

15PBG-6-N 20PBG-6-N 25PBG-6-N

20PBG-11-N

Max. Head

(m)

9

12

6

Hastighet (r/min)

2800

2800

2800

2800

vitch

- 10 -

Max.Flöde Spänning/ Effekt Modell rekvens (V/Hz) (L/min) 15PBG-9 110/60 100 31 20PBG-12 260 110/60 70

Common faults and troubleshooting methods breakdown reason Elimination method Off gear selected (position OFF) Switch to automatic(position AUTO) or manual (position MANUAL) Water pump Flow size Cannot activate Switch to manual(position MANUAL) fails to start flow switch (flow must be Switch to automatic after starting greater than 2.0 L/min) (position AUTO) The flow switch contains Clean flow switch runner and valve impurities Tap shut off the Select manual Switch to Off (position OFF)or gear (Position AUTO) pump non-stop

There is air in the system or With the tap open run the pump for The pump is pump a while or run the pump exhaust noisy. Increase the pressure on the system cavitation to the extent permittedTurn down the RPM if necessary 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.

- 12 -

15PBG-6 100 110/60 40 15PBG-6 100 220/50 40 INSTALLATION DIMENSION

15PBG-9 automatic integration 15PBG-9 external water flow s

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.

E-CrossStu GmbH

PRESTANDAPARAMETER

20PBG-12 automatic integration 20PBG-12 external water flow switch - 11 -

automatic (position MANUAL) The pump Main valve closed Open the main valve runs but does With the tap open run the pump for System inlet air The air not produce a while or run the pump exhaust is in the pipe pressure operation Remove and clean water pump There are impurities in the pump

> Mainzer Landstr.69, 60329 Frankfurt am Main. YH CONSULTING LIMITED. C/O YH Consulting Limited Office 147, Centurion House,

Tillverkare: Shanghaimuxinmuyeyouxiangongsi Adress:

2. The electric pump must be disconnected first.

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