



## Pumps



### Operating Instructions Pipe pump L3 / Pump stationary

This user information should be read and observed before installation and use of the apparatus supplied.

The water pump has been manufactured to support water. Any other use is absolutely prohibited.

Before operation, examination by a qualified technician should take place to ensure that necessary electrical precautions are available. An electrical fault switch (FI) with a nominal current of up to 30mA is stipulated. The voltage displayed on the label of the apparatus must agree with that of the mains voltage. Standard models are delivered completely sealed and ready for use. All apparatus are equipped with a motor (overheating) protector (either by a motor protection device attached to the cable end or by a heat sensor inside the motor itself). If you have received apparatus without motor protection or with a free cable end, then a qualified technician should install the motor protector and/or attachment before operation.

Before connecting the pump to the mains, please ensure that no one remains in the water. Working on the pump while in the water (in particular, swimming to the apparatus or clambering onto the aerator) is strictly prohibited on the grounds of safety. Warning! Injury risk! Touching of the pump while in operation is prohibited.

Warning – Please ensure that the plug connection is dry when you connect it to the mains.

It may happen that in the case of 400V models, the direction of rotation of the motor is incorrect. This is immediately recognisable. In such cases, a qualified electrician can transpose two of the poles in the plug. The plug must of course be removed from the plug socket beforehand.

#### **Maintenance**

All pumps supplied require little or no maintenance. From time to time simply clean all parts of the apparatus. To do this you must remove the apparatus from the water. Warning – first disconnect from the mains!

If the apparatus is supplied with a screen, this, in particular, should be kept clean. A perfect functioning of the apparatus can only be assured if the surface of the screen is clean.

At least once a year, the apparatus should be examined for perfect running of the propeller and, in the case of submersible motors, for the condition of the motor's watertight flanges. If you experience any problems, please contact us.

#### **Further Information**

We would advise you that, in accordance with product liability law, we do not accept liability for damage caused by our apparatus, if the information and advice given within these operating instructions has not been followed.

The aerator should never be pulled, carried or fixed into place, by the connection cable. Only suitably qualified persons should carry out replacement of the connection cable. The connection lead should be no lighter than a rubber hose HO7 RN-F (EN 60335-2-41). Avoid wear and tear on the connection cable!

The electric lead should be kept in an area where there is no risk of flooding and should be protected from damp. Connection cable and plug should be examined for damage before use.

The pipe pump L3 should not be operated out of water!

In the event of aerator defects, repairs should be carried out only by the manufacturer or by an authorised dealer. In addition, only original spare parts should be used.

### Pipe Pump L3



Following we will give you some information concerning our pipe-pumps. Please follow our indications and pay attention to this instructions.

#### • **Electric connection**

Condition for a regular operation of this pump is an electrical connection according VDE. The ELCB is absolutely stipulated. Repair works at electrical connection or at motor the manufacturer or an electrician expert carries out. Please absolutely prevent connection cable against eventual damages, otherwise water can run through the cable into the motor!

#### • **Setting to work**

The pipe pump must even connect with electricity after the pump has been fastened in the water in a secure manner.

The pipe pump has a robust submersing motor. You can even set the complete pump on the ground of the pond or hung up with ropes.

Beforehand you have to put a drain-pipe onto the fitting of the pump and fasten it in case of need with screws. The length of pipe depends on to the desired height of conveyance. After that you put two 45 ° squares onto the pipe (if you use one square with 90 ° this will cause more friction). For this low-pressure pump you have to use exclusively drain-pipes (no flexible hose) because the pump produces no pressure and pumps the water with the help of propellers. The delivered pump is mounted for a special height of conveyance. This height must not be executed as otherwise the pump is overloaded.

Height of conveyance means the different of height between water-level and water-output.

#### • **Maintenance**

The pipe pumps works almost free of maintenance. You only have to clean the input screen and appliance now and then. Besides please check at least once a year the perfect running of the propeller.

For this device we give 1 year's guarantee - correct application provided.

## Pipe Pump Stationary



Following we will give you some information concerning our pipe-pumps. Please follow our indications and pay attention to this instructions.

- **Electric connection**

Condition for a regular operation of this pump is an electrical connection according VDE. The ELCB is absolutely stipulated. Repair works at electrical connection or at motor the manufacturer or an electrician expert carries out. Please absolutely prevent connection cable against eventual damages, otherwise water can ren through the cable into the motor!

- **Setting to work**

The pipe pump must even connect with electricity after the pump has been fastened in the water in a secure manner.

The pipe pump has a robust submersing motor. You can even set the complete pump on the ground of the pond or hung up with ropes.

Beforehand you have to put a drain-pipe onto the fitting of the pump and fasten it in case of need with screws. The length of pipe depends on to the desired height of conveyance. After that you put two 45 ° squares onto the pipe (if you use one square with 90 ° this will cause more friction).

For this low-pressure pump you have to use exclusively drain-pipes (no flexible hose) because the pump produces no pressure and pumps the water with the help of propellers.

The delivered pump is mounted for a special height of conveyance. This height must not be executed as otherwise the pump is overloaded.

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- **Maintenance**

The pipe pumps works almost free of maintenance. You only have to clean the input screen and appliance now and then. Besides please check at least once a year the perfect running of the propeller.

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The pipe pumps works almost free of maintenance. You only have to clean the input screen and appliance now and then. Besides please check at least once a year the perfect running of the propeller.

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Type	0.1	0.2	0.3	0.4	0.5
Motor rating	0.15	0.25	0.75	1.1	1.5
Power take up	280	450	1000	1450	1900
Voltage	230/400	400	400	400	400
Motor	1400	1400	1400	1400	1400
Pressure head	0-110	0-130	0-150	0-240	0-140
Weight	12	12	15	15	40
Pipe	100	125	150	150	200

**EG-Konformitätserklärung  
im Sinne der EG-Maschinenrichtlinie  
2006/42/EG, Anhang IIA**

**EG – Declaration of Comformity  
In accordance with Machine Guidelines  
2006/42/EG, Appendix IIA**



Der Hersteller  
The manufacturer



**LINN Gerätebau GmbH**  
An der Sauerlandkaserne 1 - D-57368 Lennestadt - Oedingen

erklärt hiermit, dass die folgenden Pumpen  
state herewith, that the pumps:

*Rohrpumpe L3 und Rohrpumpe stationär  
Pipe Pump L3 and Pipe Pump stationary*

in Ihrer Konzipierung und Bauart sowie in der von uns in Verkehr gebrachten  
Ausführung den Bestimmungen der oben genannten Richtlinie entsprechen.

Die Konformitätserklärung erlischt bei nicht verwendungsgemäßer Benutzung  
sowie bei konstruktiver Veränderung, die nicht von uns als Hersteller schriftlich  
bestätigt wurde.

Bevollmächtigter der LINN Gerätebau GmbH für die Zusammenstellung aller  
technischen Unterlagen: Ulrich Bischopink, Prokurist – Adresse wie oben

on account of their design, construction and circulation by us, to  
above mentioned guidelines. In the event of a change being made to these  
apparatus, without our consent, this declaration will be rendered invalid.

Lennestadt, 12.05.2014

**Linn Gerätebau GmbH**  
**gez. Ulrich Bischopink – Prokurist**

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