

	Transport And Storage	Document No.: CFP 018
		Revision A
Issued Date: February 14 th , 2024	Approved by:  Date: February 26 th , 2024	Effective Date: February 14 th , 2024

TRANSPORT AND STORAGE

In order to prevent damage or serious injury when transporting the product, the following points must be **observed**:

- Transport work may only be carried out by qualified personnel. The safety instructions must be followed at **all times**.

	<h3 style="margin: 0;">CAUTION</h3>
<p>To transport the pump, only suitable hoisting gear and load lifting equipment (e.g., belts) should be used. If chains are used, these should be specifically protected against slipping to avoid personal injury and/or material damage.</p>	

- See also "General Safety Instructions".


DELIVERY

On arrival, the delivered items must be inspected for damage and a check made that all parts are present. If any parts are damaged or missing, the transport company or the manufacturer must be informed on the day of delivery. Any claim made at a later date will be deemed invalid. Damage to parts must be noted on the delivery or freight documentation.

TRANSPORT

Only the appropriate and approved fastening devices, transportation means and lifting equipment may be used. These must have sufficient load bearing capacity to ensure that the product can be transported safely. The product is delivered by the **manufacturer**.

/Shipping agency in suitable packaging. This normally precludes the possibility of damage occurring during transport and storage. The packaging should be stored in a safe place if the location used is changed frequently.

	<h3 style="margin: 0;">CAUTION</h3>
<p>If drinking water is used as a coolant/lubricant, the product must be protected against frost during transport. If this is not possible, the product must be drained and dried out.</p>	

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STORAGE

Newly supplied products are prepared so that they can be stored for at least 1 year. The product should be cleaned thoroughly before interim storage.

The following should be taken into consideration for **storage**:

- Store product on flat surface to keep product from rolling or falling.

Submersible sewage pumps and submersible motor pumps should be stored vertically. Submersible motor pumps may also be stored horizontally, however it should be noted to support the motor from the middle so sagging or bending does not occur if stored horizontally, otherwise stress can be put on the stator and rotor.


	<h3 style="margin: 0;">CAUTION</h3>
<p>Never put down or pick up the product when it is not secured. Bending the product should be avoided at all costs. It can cause major damage to the product and/or serious injury to persons.</p>	


- Our products can be stored at a maximum of -15 °C. The storeroom must be dry. We recommend a frost protected room with a temperature of between 5 °C and 25 °C for storage. Products that are filled with drinking water can only be stored in frost-free rooms for up to 4 weeks. If longer storage is intended, they should be emptied and dried out beforehand.

- The product may not be stored in rooms where welding work is conducted as the resulting gases and radiation can damage the elastomer parts and coatings.

- Any suction or pressure connections on products should be closed tightly before storage to prevent impurities.

- The powersupply cables/ motor leads should be protected against punctures, bending, pinching, binding and moisture on the exposed ends


	<h3 style="margin: 0;">CAUTION</h3>
<p>Do not pull/lift or exert any force on the power supply cable as damage to the motor connection points and the power supply cable could occur and may not be immediately detected.</p>	

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- The machine must be protected from direct sunlight, heat, dust, and frost.


Heat and frost can cause considerable damage to impellers, rotors, and coatings.

- The rotors or impellers must be turned at regular intervals. This prevents the bearing from locking and the film of lubricant on the mechanical shaft seal is renewed. This also prevents the gear pinions (if present on the product) from becoming fixed as they turn and renews the lubricating film on the gear pinions (preventing rust film deposits).



	<h2>CAUTION</h2>
<p align="center">During operation, sharp edges can form on rotors and impellers. These can cause injuries. Wear the necessary protective clothing/equipment!</p>	

- If the product has been stored for a long period of time it should be cleaned of impurities such as dust and oil deposits before start-up. Rotors and impellers should be checked for smooth running, housing coating and damage.

Before start-up, the fill levels (oil, motor filling etc.) of the individual products should be checked and filled if required. Products filled with drinking water should be completely filled before start-up. Please refer to the machine data sheet for specifications on filling.

	<h2>CAUTION</h2>
<p align="center">Damaged coatings should be touched up immediately. Only a coating that is completely intact fulfills the criteria for intended usage.</p>	

If these rules are observed, your product can be stored for a longer period. Please remember that elastomer parts and coatings become brittle naturally. If the product is to be stored for longer than 6 months, we recommend checking these parts to ensure that they function correctly. If replacement is necessary, please consult the manufacturer.

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RETURNS

Products which are delivered to the plant must be clean and correctly packaged.

In this context, clean means that impurities have been removed and decontaminated if it has been used with materials which are hazardous to health.

The packaging must protect the product against damage.

If you should have any questions, please contact your Clearflow representative.

	<h2 style="margin: 0;">CAUTION</h2>
<p>We will not assume any warranty for pumps that are unsuitably packaged upon return.</p>	