

# Installation Instructions Operating Instructions

ife aufbereitungstechnik gmbh



## General Information Vibration Technology

S404509R02

Translation of the Original Operating Instructions



wir setzen dinge in bewegung *getting things moving*

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| Revision | Date   | Name   | Change number | Note |

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|                                                                                                                                                                                                                                                                             | Date   | Name    | Description                                                                                  |              |
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## 2.1 Explanation of Symbols and Notices

 This symbol is found on all safety notices where there is a risk to the life and limb of personnel. Observe of these notices and proceed with caution! At the same time observe all applicable laws as well as general safety and accident prevention regulations.

**ATTENTION**

**To be found in all places where particular attention is required to ensure that notices, regulations and the correct working procedures are observed and damage to the machine is prevented.**

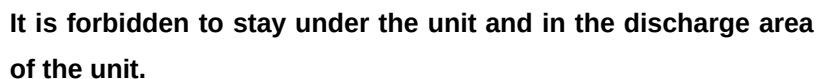
 This warning sign is located on the machine at locations where there is a specific risk of crushing. These locations have to be protected by precautions made by the customer, so that they are not accessible during operation.

## 2.2 General Safety

**IFE vibratory equipment** - named in the following machine, are built according to the latest technical standards and are operationally safe. As a result of the work procedures, the units have areas and parts that cannot be shielded without hindering the function and serviceability of the unit. Thus, a good personal safety practice is essential for the protection of personnel and the machine.

This unit can be a source of danger if it is operated by untrained personnel or used for purposes for which it was not designed.

- Read and take good note of the unit's Operating Instructions as well as the safety notices before unpacking, installing, commissioning and maintaining the unit. You may only perform work on the machine after having read and understood the Operating Instructions.
- Keep the Operating Instructions near the machine and easily accessible.
- The machine may only be operated and maintained by authorized, trained and instructed specialists. These persons must reach the minimum legal age (in accordance with the applicable national regulation) for the operation of such machines.
- Persons under the age of 14 are not allowed to have access to the machine.
- Operating stations for personnel must be located outside of the danger areas.



- The machinery must have adequate space around it for service and maintenance to be carried out. Access routes must be provided (stairs, ladders, scaffolds), which allow all the areas necessary for operation and maintenance to be reached in a safe manner. For maintenance work at greater heights, the corresponding relevant safety regulations must be adhered to (fall protection).
- For risks due to noise emission and vibrations, the customer has to take safety precautions (installing of rubber matting, sound barriers or vibration-resistant support structures).
- For hazards from dust or other hazardous media, the relevant safety regulations for the respective area of operation are to be followed.
- Ensure sufficient lighting when dark or when visibility is poor.
- Local safety and accident prevention regulations always apply to the operation of the unit; these are to be observed and adhered to at all times.

- ## 2.3 Operational Safety

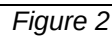
- Must be installed by the customer!
- 
- 1

- **Emergency Shut-off:** The customer must equip the machine with an emergency-stop system or multiple emergency-stop systems, with which the equipment can be stopped to avoid dangerous situations. These devices must have clearly marked, visible and accessible switches.
- In situations, where operating personal may be at risk, the drives must be stopped by pressing the emergency-stop button (emergency-stop systems) installed by the customer.
- Emergency-stop systems may not be used to stop or start the equipment as part of normal operating procedures.
- In case of functional problems, shut off the equipment immediately and secure against re-starting. Rectify malfunctions immediately.

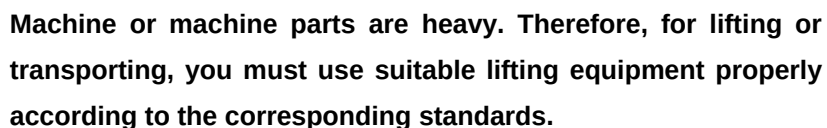
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The machine generates operational noise and vibrations. People are not permitted to continuously remain in the hazard area.





- Maintenance and repair work is to be carried out by authorized, trained personnel only. Particular attention must be paid to the special risks involved in working on electrical equipment. Therefore: The unit must be installed by experienced personnel only and electrical work must be carried out by approved electricians only.
- Electrical equipment must be disconnected/de-energized from the mains before performing inspection, installation or repair work. First, check electrical components to ensure that there is no current, then ground them and short-circuit them. Insulate any neighboring electrical components. If work must be carried out on electrical components, have another person present who can activate the emergency-stop system or the main power switch in case of emergency. Use insulated tools only.



- ## ATTENTION

**Screw connections can loosen under vibration. Therefore, check the screw connections at regular intervals and retighten according to Operating Instructions for bolt tightening torques S410027, if necessary.**

- S404509R02-i-150921

Operating Directives are regulations issued by a company to ensure safe operation. These are binding instructions that the company enacts within the scope of its managerial authority. The employees are obligated by the accident prevention regulations to follow these directives.

In Germany, for example, the general obligation of the company to issue and make known such directives must be derived from the accident prevention regulation, e.g. the "Allgemeine Vorschrift" or "General Regulation. Under Section 2 of this regulation companies must make arrangements for the prevention of work place accidents, and Section 7 requires that the company instruct insured employees about the risks involved in their activities and the measures necessary to avoid those risks. The company can fulfill these requirements with the help of directives.

The operating instructions at hand must therefore be supplemented by operating directives based on existing national regulations for accident prevention and on environmental protection guidelines.

For instance, employees are to be given instructions on the following:

- The operator must undertake to operate the equipment in proper working order only.
- To wear a safety helmet, safety goggles and hearing protection.
- The risks that occur when handling the bulk goods and the required safety measures and rules of behavior including instructions in the event of danger and first aid.
- Nature and scope of regular checks for safe working conditions.
- Reliable operating data (e.g. setting data for safety and monitoring equipment).
- Servicing and troubleshooting.
- Environmental protection.
- Remaining in the hazard area is not permitted while the machine is running (set up warning sign).
- Instructions and inspections are to be used by the operating plant to ensure cleanliness and tidiness at the unit workplace.
- The responsibilities for operation and servicing must be defined unambiguously by the operating plant and observed by all personnel so that there are no unclear areas of competence where safety is concerned.
- The operator undertakes to report to his superior immediately any changes occurring on the unit that are likely to affect safety.
- Observe the attached information and warning signs.
- The operator must ensure that no unauthorized personnel remain at the machine.

