

## EGGINOX STAINLESS STEEL AISI 304 INSTRUCTIONS FOR USE

We want to thank you for the trust in us you have shown by purchasing this EGGINOX stainless steel tank. Please ensure that the respective operator has read and understood the instruction manual prior to the initial operation. To allow a safe operation of this tank all following points have to be coercively observed. The instruction manual has to be kept accessible for everyone at any time.

### INSTALLING THE CONTAINER

This container has been quality and leak tested by us, i.e. it is 100% leakproof and ready for use when it leaves us. As transport, storage, and installation damage cannot be completely excluded, you should take special care during the first fill. Equally, you should give the inside of the container and all fittings a thorough initial cleaning (e.g. with a steam jet cleaner). For the installation, please use the pallet under the tank. During installation, do not step under the floating load. The container is designed for installation in a building and for temperatures from 5 to 40 °C. Legal regulations of local, commercial, and public authorities have to be kept. Wind loads and earthquake loads are not calculated. For outdoor installation, the tanks, valves, and controls have to be secured with further means against environmental influences (e.g. wind, snow, freezing, lightning, climate conditions). The location for the installation has to be suitable for safe work and the weights that exist. It is necessary that gases that come out have become completely de-aerated. Gases that come out have to be transmitted safely and without any danger to people and the environment. When installing the container ensure it stands secure and safely and that the tank support feet are uniformly loaded. Each support foot must uniformly sit on the floor at both ends and in the middle. If necessary use shimming plates to adjust. The height adjustment for tank support feet described in the following is better. If there are rusty iron parts (e.g. door hinges, iron reinforcement of concrete elements, etc.) in the immediate vicinity of the tank, this can lead to external corrosion in damp cellars. Remove or treat such parts to protect your container. Only use stainless steel tools to install fittings. Please connect the tank with grounding to avoid all electrostatic.

### OPERATING AND SAFETY INSTRUCTIONS •

Before use ascertain the correct state and safe standing of the tank. Using the container is only permitted according to regulations and in an accurate safety-related state. Note the well-known safety and accident prevention regulations. Ensure that only authorized personnel may be present in the container area. Only trained personnel may work with the container. Regarding local commercial or official requirements, bans, and rules. In addition to that the tank, including all loose parts, armatures, and mounting parts, as well as the sealings and hoses need to be thoroughly cleaned prior to initial operation. Exercise care in handling the container on the installation site and during transport because the stainless steel material is not consistent with road salt. Be attentive that, without exception, only stainless steel-compatible products and mediums contact the containers. When filling, discharging, cleaning, and operating ensure an adequate and safe de-/aeration of the container. For pressure and vacuum damages we assume no liability. When filling- or aeration pipes are installed on the tank, it needs to be assured by suitable means to avoid vacuum damage caused by siphon effect/overflowing. The overflowing has to be avoided in general. When using and operating bigger openings, e.g. domes, manholes, and supports at the tank, ensure that persons or objects do not fall in or fall out. Observe permanently the danger of possible escape of fermentation gases (risk of suffocation). Entering or touching containers is permissible only after securing them so that there is no risk of injury due to add-on parts (if any, e.g. agitators). The transport of tanks always has to be secured against a possible shifting or tilting, for example through fluid surge forces, during carrying. Observe the highest permitted number of stacked tanks. Clean the container with standard cleaning agents that are not chloric or saliferous. Stainless steel is resistant to the common acids and bases used in wineries, as against the sealing material of the mounting parts and doors which are only resistant slightly better than the prescribed concentration. Remember, even if alkali solutions etc. are mixed correctly, their concentration in water increases as a result of evaporation. Therefore, mounting parts, doors, etc. have to be thoroughly cleaned with water immediately after the required dwell time. If a tank is not full up to the bung, released sulfur can react with condensation and oxygen to form an aggressive atmosphere between the roof of the tank and the surface of the liquid. Sulfuring, as in wooden barrels, is not possible. The sulfur concentrations in wine should therefore only be at the legally permitted level. Avoid free sulfur dioxide concentrations > 70 mg / l or otherwise corrosion may occur on the stainless steel container.

### COOLING OR HEATING FLAG (OPTION)

Always ensure that liquids are used which cannot attack the stainless steel. Chlorine, salt or iron-containing liquids, and strong organic and inorganic acids cause steel corrosion. This also applies to water, e.g. from rusty pipes. When using water as a cooling or heating fluid, an appropriate water analysis is necessary prior to operation. To avoid corrosion damage, the water must be treated and checked regularly. When using cooling or heating units with refrigerant or heat transfer liquids, e.g. Antifrogen L from Hoechst based on propylene glycol, this medium protects stainless steel from corrosion and at the same time is safe for food. Make sure when installing that the connecting glands on the cooling flag are not pressed in. Protect your system with filters or screens against the intrusion of dirt or iron particles. Look out for heat or cold expansion of your installation and, if necessary, its correction. Use large enough diameters for the pipe installation to ensure sufficient volume flow which permits efficient heating and cooling. A closed system similar to the hot water heater has to be favored. For the piping system with a heat exchanger complete air ventilation is essential. No air is allowed in the system because it favors the formation of germs, deposits, and corrosion. The inlet pipe must be made of diffusion-resistant material to prevent air from diffusing into the system. The cooling flag is designed for a working pressure from 1,5 to 3 bar and a temperature range from -5°C to 50°C.

### SEALINGS / SPARE PARTS

If you need any spare parts please contact your local dealer or representative.

### GUARANTEE

Due to the traceability, the item sticker must not be removed from the tank. If the label is removed, the operator himself is responsible for accurate traceability.

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