



SKIOLD TANK



SKIOLD MAKES THE DIFFERENCE!



SKIOLD TANK HEATED AND INSULATED TANK FOR LIQUID PRODUCTS

Ideal for storage with minimum oxidation

For both in- and outdoor installation

Suitable for fat, oil, molasses, etc.

Electric heating

Foam insulated

Heated and Insulated Tank for Liquid Products

Design

The tank made of mild steel has a volume of 8 m³. Efficient foam insulation with 100 mm polyurethane foam secures minimum power consumption for heating up the tank. The tank is mounted in an upright position minimizing the liquid surface which reduces the oxidation and thereby the risk of rancidification of the liquid product. The tank is equipped with a manhole for easy inspection and cleaning. The conical bottom of the tank works as a sedimentation basin and is equipped with a drain valve for complete emptying. The tank comes with 3" connections mounted in the top of the tank for filling and ventilation pipes.

Heating

The selected temperature in the tank is maintained by a water heating system which emits its heat to the surrounding liquid. This indirect heating is very gentle and it prevents damage to the nutritive value of the liquid due to too high temperature. The heating system is equipped with a built-in expansion box. The heating element is a thermostatically controlled 7.5 kW electric heater. The temperature is read on the thermometer placed on the side of the tank. The heating system has a 3/4" outlet for hot water, which can be used for heating the pipeline from the tank to the mixer. In that case, the hot water pipeline must be equipped with a circulation pump. Alternatively, the pipeline can be heated by an electrically heated cable. In both cases, the pipeline must be insulated subsequently.

Pump

The dosing pump is built into an integrated box in the insulated tank and is thereby protected against coldness. In addition, the durable pump is equipped with a strainer mounted on the inlet pipe. The pump has a capacity of approx. 600 litres/h and is driven by a 0.55 kW electric motor.

Outdoor or Indoor Installation

The basic construction and insulation are identical no matter where the tank is installed. The outdoor version is completely covered with aluminium plates, whereas the indoor version appears with the foam insulated surface.

Level Control

The level in the tank and the water system is read on two gauges placed in the panel on the side of the tank. The current levels are measured by means of pressure gauges and contain therefore no movable and sensitive parts.

