

TANK DRAIN SYSTEMS

The replacement of tank drain systems is only feasible during periods when the tank is not in use, making the consequences of a malfunctioning drain quite significant. The proper functioning of these drain systems is crucial for the efficient operation and safety of the tank. When a drain system fails to work as intended, it can lead to potential leaks, spillage, or inadequate drainage, which may result in operational disruptions and possible environmental hazards.

To mitigate such risks and ensure a prolonged service life, our team has diligently designed and engineered high-quality drain solutions that encompass a comprehensive system. These solutions include not only the necessary drain hoses but also a wide range of essential components, such as precision-engineered connections, swivels, and robust piping. This complete system is carefully constructed to withstand the demands of tank drainage, offering enhanced durability and reliability over time.

Swivel systems

Our precision-engineered swivels ensure smooth fluid movement and reliable performance, even in harsh submerged environments. They provide enhanced efficiency, zero maintenance, and improved safety. For more details, please contact our team. Trust us for top-tier solutions that exceed all industry standards.

Drain Hoses

Tank drain hoses are a proven solution for the challenging draining of rain water on external floating roofs. The major advantage of these hoses is its simplicity in design. It has a limited amount of connections and therefore high reliability. To avoid floating the drain hose includes a lead ballast cable and suspension system. The drain hoses is even able to accommodate frozen drain water. All hoses are supplied electrically continuous. A longitudinal white stripe is permanently branded on the cover of each hose to ensure correct alignment.

Background information

As per API and NEN standards, external floating roof tanks necessitate a roof drain system to efficiently remove rainwater from the floating roof. The primary roof drains are designed and positioned to handle rainfall rates specific to the tank's location, ensuring that the water level remains within the designated criteria without causing tilting or operational disruptions.

To facilitate this, roof drains are affixed to double-flanged, low-type nozzles on the tank shell. For external floating roofs with single deck designs, a floating roof sump valve is provided at the inlet sump.

Moreover, the primary roof drains are constructed to withstand the tank's conditions and are carefully engineered to prevent floating, kinking, or catching on any internal appurtenances or obstructions during operation. Additionally, they are designed to avoid being crushed by landing legs on the tank's bottom. Ensuring the durability and functionality of these roof drains is essential for the effective operation and safety of the external floating roof tanks.

Our competitive advantage

Optimized Drain Efficiency: Our roof drains are sized and positioned to accommodate specific rainfall rates, preventing water accumulation on the floating roof.

Tailored to Your Needs: ENVITECH tank drain system caters to all types of external floating roofs, making it a perfect fit for your unique requirements, ensuring maximum efficiency and functionality.

Robust and Durable: We use top grade materials and advanced manufacturing techniques for our components, ensuring optimal durability and resistance to wear and corrosion.

Minimal Maintenance, Maximum Savings: With our tank drain system's reliability, you'll experience reduced maintenance needs, saving you valuable time and resources, and keeping your operations running smoothly.

Operability: Roof drain hoses made by Envitech are designed to resist floating, kinking, and catching on internal appurtenances, guaranteeing safe and uninterrupted operation. No more worries about operational disruptions.

Comprehensive Support and Documentation: Access our knowledge and background information to make informed decisions. Our team provides dedicated customer support, guiding you every step of the way.

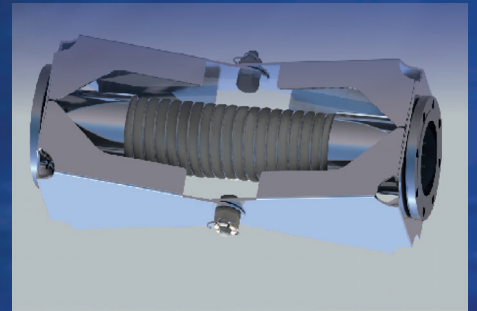
Proven Excellence: Count on our track record of delivering reliable and effective solutions to numerous satisfied industrial clients. We strive for excellence in every aspect of our products and services

Installation

Our drains can be supplied as turn-key solutions. Regardless of the geographic location they are built we are capable of installing with our own crews or provide installation assistance, training or full time supervision. With these turn key projects We will take the complete supply and installation risk out of your hands

Our solutions

- Drain pivot systems
- Swivel drains
- Hose drains
- Spill check valves
- Design and engineering
- Supervision



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