Manhole Cover Product Specifications

This six-claw locking quick-open manhole cover is a specialized maintenance and material loading accessory designed for tank trucks, storage tanks, and chemical storage and transportation vessels. The entire unit is fabricated as a single-piece stainless steel component, offering advantages such as corrosion resistance, ease of cleaning, and high-pressure sealing performance. It is widely compatible with various atmospheric or low-pressure tank equipment—including edible oil tanks, chemical liquid tanks, food transport tanks, and hazardous chemical storage and transportation tanks—and serves as a core supporting component for tank manhole maintenance, material handling, and internal cleaning operations. It is suitable for crystalline media, powders, gasoline, diesel, kerosene, and other light-weight fuel types.

Core Functions: Characteristics of Emergency Pressure Relief Devices

Secondary startup protection design

1. When the handles are opened sequentially, the sealing area of the large cover will slowly release internal pressure, effectively ensuring the safety of the operator.
2. The upper and lower covers can be opened independently as needed; opening the upper cover in advance allows for the gradual release of residual pressure within the tank, thereby balancing the air pressure inside and outside the chamber.

nominal diameter	20 inches
Emergency Opening Pressure	0.2Mpa
Maximum discharge flow rate	At 34 kPa, the flow rate is 7,500 m³/h.
material quality	stainless steel
way to install	Top ring seam welding of the tank body
operating temperature range	-40℃~+180℃

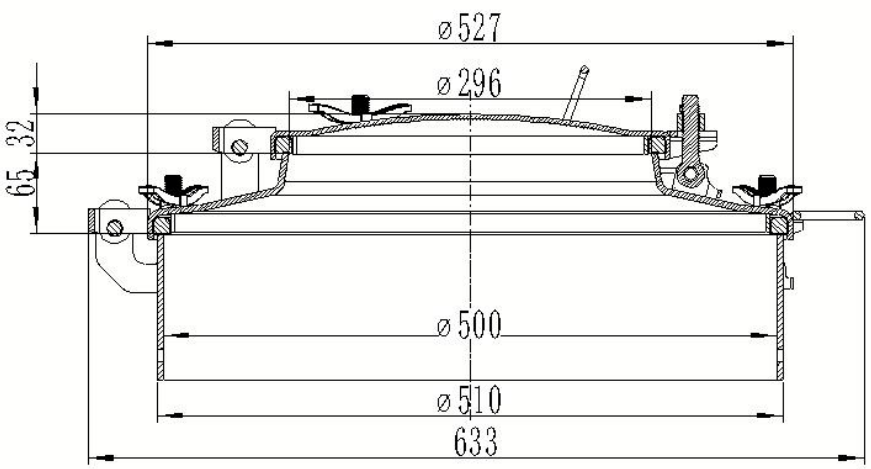
Oil tanker truck components: Manhole cover series GY801K-500S2

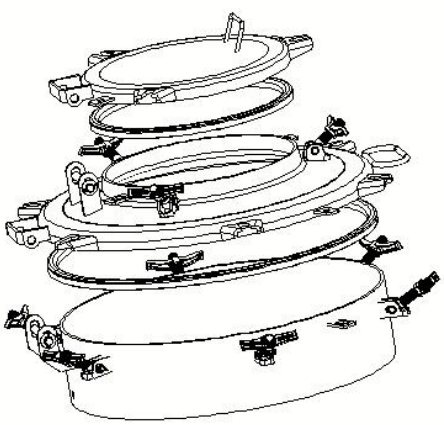


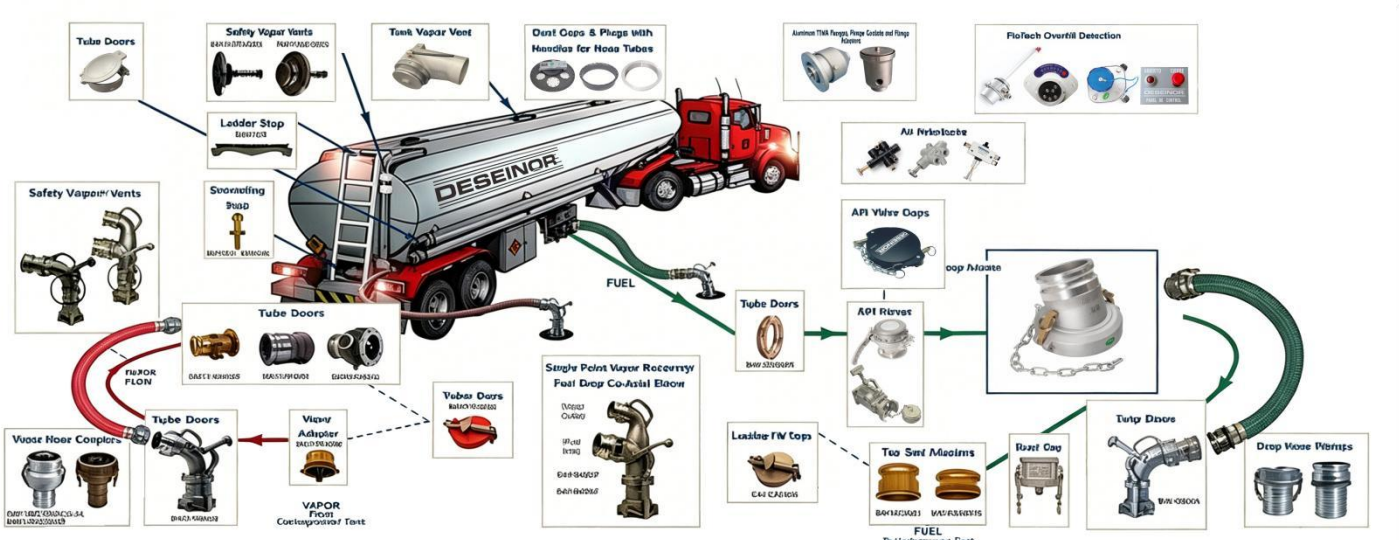
● **functional characteristics**

1. The stainless steel mirror-polishing process combines aesthetic appeal with durability.
2. Six-grip locking quick-opening structure: multiple eccentric clamping claws uniformly press against the cover plate, enabling effortless opening and closing while ensuring stable sealing pressure.
3. Equipped with a lead-sealing plate, allowing for direct application of the lead seal.
4. Equipped with a PTFE seal, it features high-temperature and high-pressure resistance, as well as explosion-proof capabilities.
5. The rotating shaft is equipped with an opening angle limit device, which effectively prevents collision with the tank body during opening.
6. The top cover and bottom cover can be opened independently as needed: open the top cover during loading or unloading operations, or open the bottom cover when performing tank inspection and maintenance – ensuring convenient and efficient operation.




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Tube Doors
Safety Vapor Vents
Tank Vapor Vent
Dust Caps & Plugs With Handles for Hose Tubes
FloTech Overfill Detection
Ladder Stop
Safety Vapor Vents
Snorkeling
DESEINOR
FUEL
API Valve Caps
API Rivet
Tube Doors
Tube Doors
Tube Doors
Vapor Hose Couplers
Tube Doors
Vapor Adapter
VAPOR
Single Point Vapor Recovery Fuel Drop Co-Axial Elbow
Two Swl Mushms
Dust Cap
Tulip Doors
Drop Hose Points
FUEL