Manhole Cover Product Specification

The manhole cover is installed on the top of the oil tanker; when the pressure inside the tank rises sharply, it can automatically vent gas through an emergency pressure relief device. The cover plate is equipped with an intake/exhaust valve (P/V valve), suitable for light fuel types such as gasoline, diesel, and kerosene. The manhole cover features a reserved blind hole, which can be used to install accessories such as optical sensors, vapor recovery valves, and oil level gauges.

Core Functions: Characteristics of Emergency Pressure Relief Devices

1. When the oil tanker is operating in a high-temperature environment, the manhole cover can automatically vent gases from inside the tank to relieve pressure, thereby ensuring transportation safety.
2. Built-in P/V pressure regulating valve

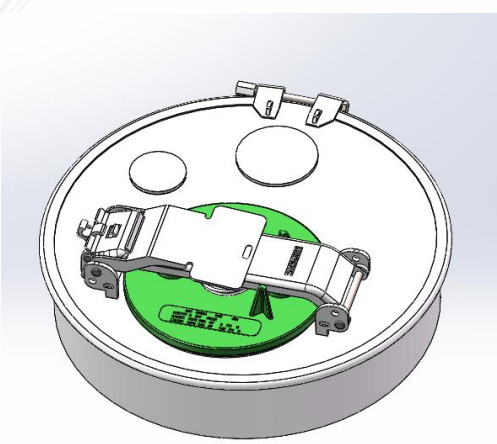
When a pressure difference exists between the inside and outside of the tank, the system automatically adjusts the air intake and exhaust processes to meet both safety and environmental protection requirements.

3. Secondary startup protection design

When opening the upper pressure plate, the internal pressure should be released first to effectively ensure the safety of the operator.

nominal diameter	16 inches
Emergency Opening Pressure	21KPa~35Kpa
Maximum discharge flow rate	7000 m³/hat 34 kPa
material quality	carbon steel
way to install	Clamp-type
operating temperature range	-40℃~+70℃

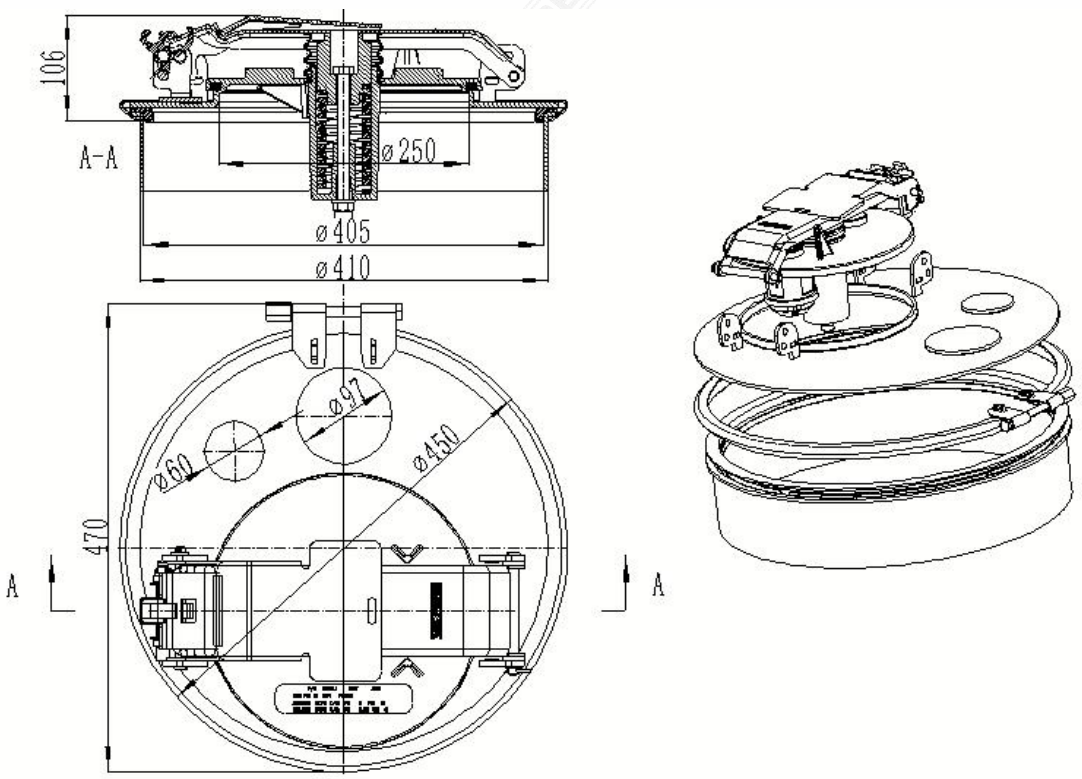
Oil tanker truck components: Manhole cover series GY801TB-460

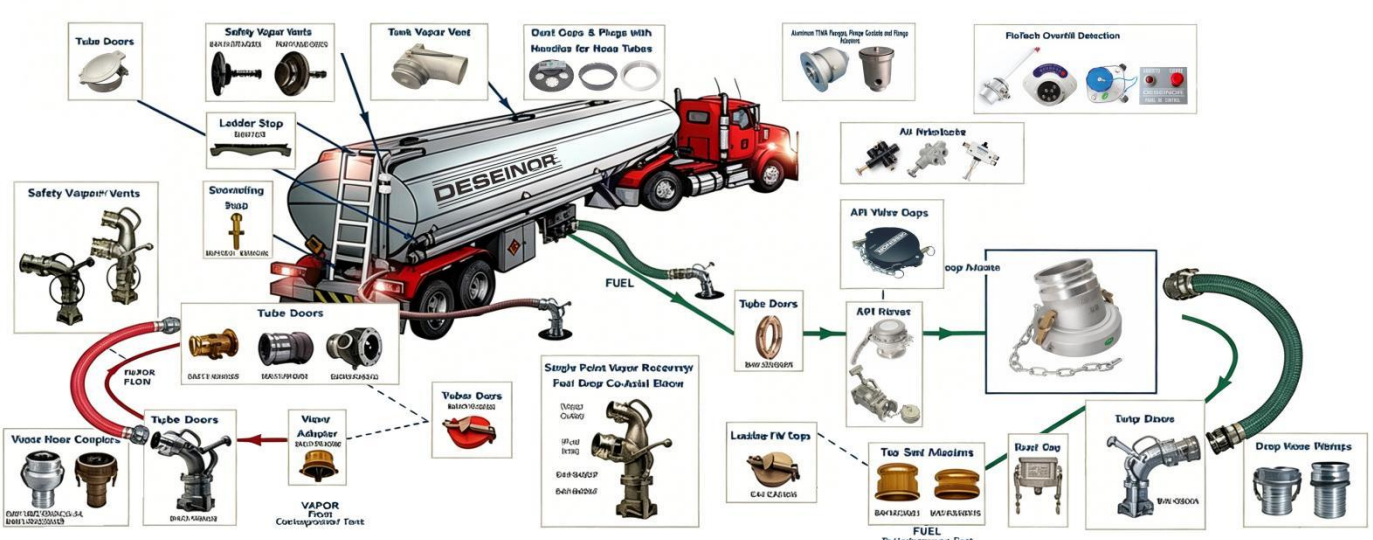


● **functional characteristics**

1. The large cover plate is fabricated from galvanized steel sheet through stamping processes, offering impact resistance and oxidation resistance.
2. Single or double P/V pressure valve configurations can be selected based on requirements.
3. The base is manufactured using a rolling and welding process for sheet metal, making it easy to weld to the tank body.
4. The use of clamp-type connections as a replacement for flange connections enables quick installation and ensures robustness.
5. Equipped with a self-locking feature that allows manual opening without a key, while ensuring stable locking.




106
A-A
ø250
ø405
ø410
ø97
ø60
ø450
470
A
A


Tube Doors
Safety Vapor Vents
Tank Vapor Vent
Dust Caps & Plugs with Handles for Hose Tubes
FloTech Overfill Detection
Ladder Stop
API Rivlocks
Safety Vapor Vents
Snorkeling Stand
API Valve Caps
DESEINOR
FUEL
Tube Doors
Tube Doors
API Rivet
Loop Adapter
VAPOR FLOW
Single Point Vapor Recovery Fuel Drop Co-Axial Elbow
Tube Doors
Tube Doors
Vapor Adapter
Vapor Hose Couplers
Ladder Fill Caps
Two Set Missions
Dust Cap
Tube Doors
Drop Hose Pumps
VAPOR
FUEL