Manhole Cover Product Specifications

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 oils such as gasoline, diesel, and kerosene. The manhole cover features reserved blind holes for installing accessories such as optical sensors, vapor recovery valves, and oil measurement pipes.

Core Functions: Characteristics of Emergency Pressure Relief Devices

1. When the tanker is exposed to high-temperature conditions, the manhole cover can automatically vent the gas inside the tank to relieve pressure, ensuring transportation safety.
2. Built-in P/V pressure regulating valve

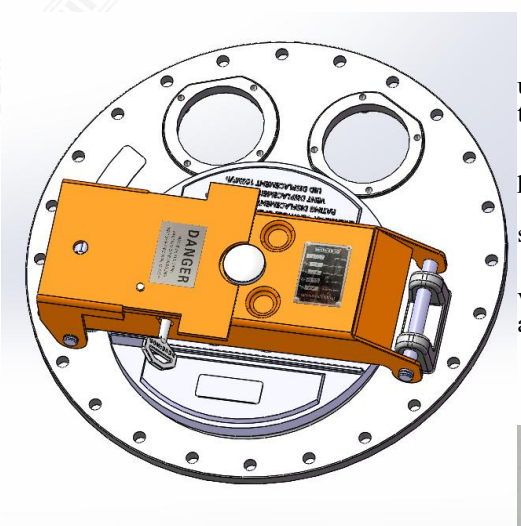
When a pressure difference exists between the inside and outside of the tank, the system automatically adjusts the air intake and exhaust processes to balance safety requirements with environmental protection standards.

3. Secondary startup protection design

When activating the upper pressure plate, the internal pressure is released first, effectively ensuring 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	alufer
way to install	flange form
operating temperature range	-40℃~+70℃

Oil tanker truck components: Manhole cover series GY801A-460



● **functional characteristics**

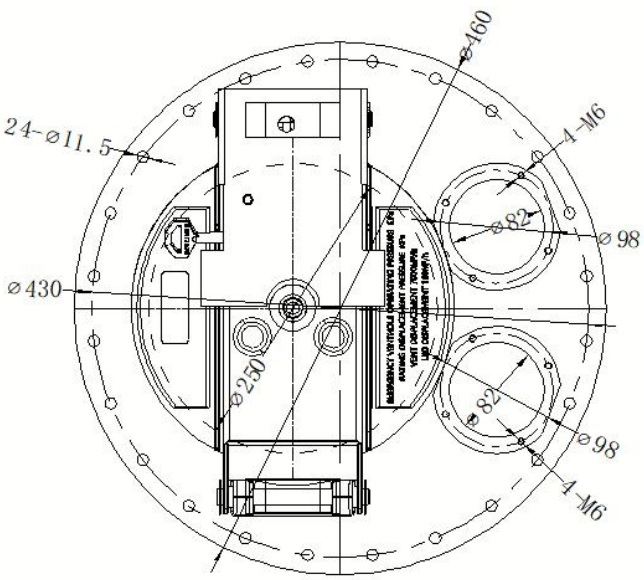
1. The large cover plate and the small cover plate are manufactured using a casting process, with their surfaces undergoing an oxidation treatment.

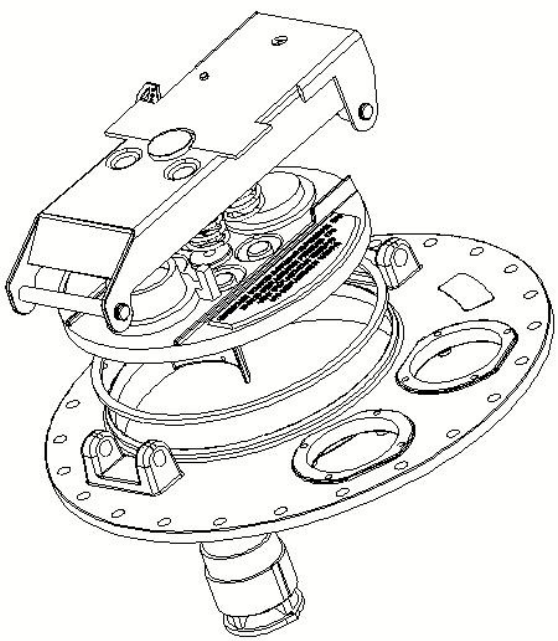
2. Equipped with a DN250 aluminum alloy small cover for pre-pressurization and balancing the pressure within the storage tank.

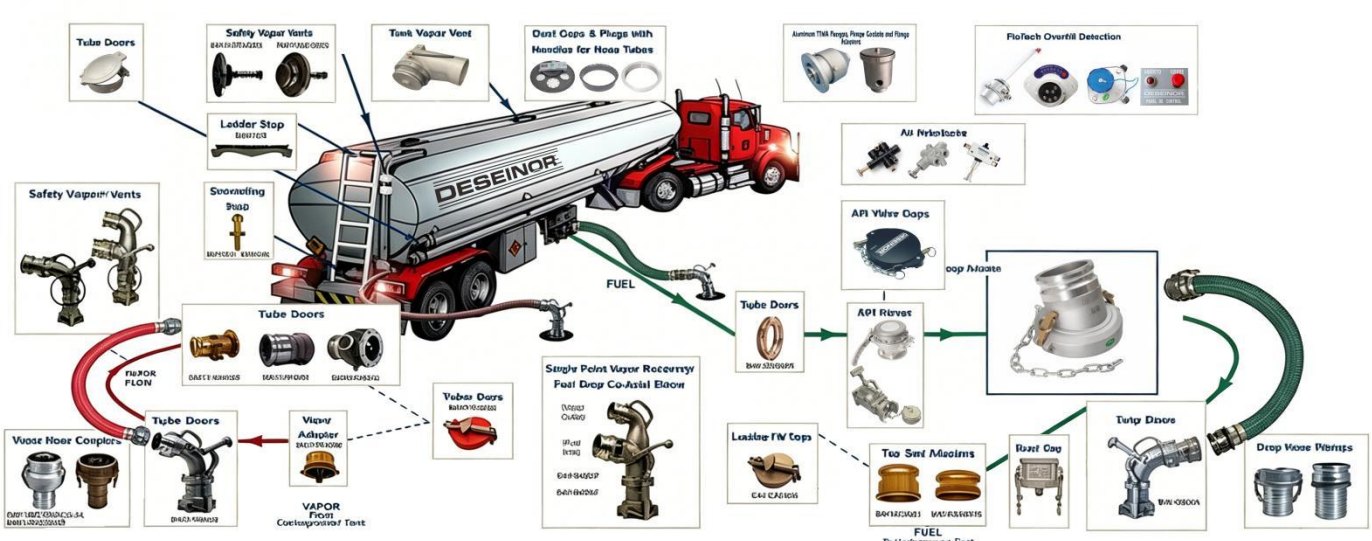
3. Single or double P/V pressure valve configurations can be optionally selected based on requirements.

4. Equipped with a dedicated key locking mechanism and an anti-vibration rebound snap-fit interface, ensuring stable locking and maintaining a leak-proof seal.




24-⌀11.5
⌀160
4-M6
⌀82
⌀98
⌀430
⌀250
⌀82
⌀98
4-M6




Tube Doors
Safety Vapor Vents
Tank Vapor Vent
Dust Caps & Plugs With Needles for Hose Tubes
FloTech Overfill Detection
Ladder Stop
Safety Vapor Vents
Grounding Stud
DESEINOR
FUEL
Tube Doors
API Valve Caps
API Rivet
Tube Doors
Single Point Vapor Recovery Fuel Drop Co-Axial Elbow
Tube Doors
Tube Doors
Vapor Hose Couplers
Vapor Adapter
VAPOR
Ladder Fill Cap
Two Set Maxims
Dust Cap
Drop Hose Pumps
FUEL