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 fuels 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 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 within the tank to relieve pressure, ensuring transportation safety.

2. Built-in P/V pressure regulating valve

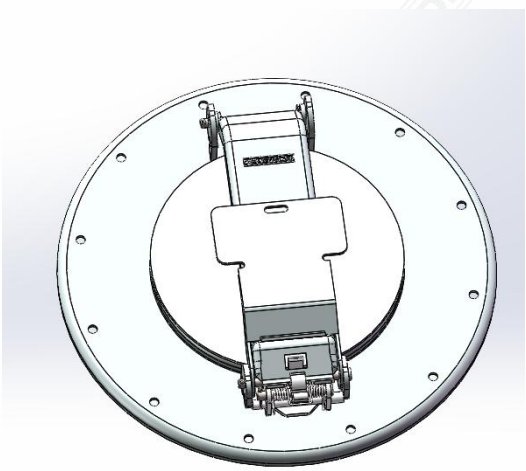
When a pressure difference exists between the inside and outside of the tank, the system automatically adjusts the air intake and exhaust processes to meet both safety and environmental protection requirements.

3. Secondary Start 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	At 34 kPa, the flow rate is 7,000 m^3/h.
material quality	carbon steel
way to install	flange form
operating temperature range	-40℃~+70℃

Oil tanker truck components: Manhole cover series DSSY-460FS

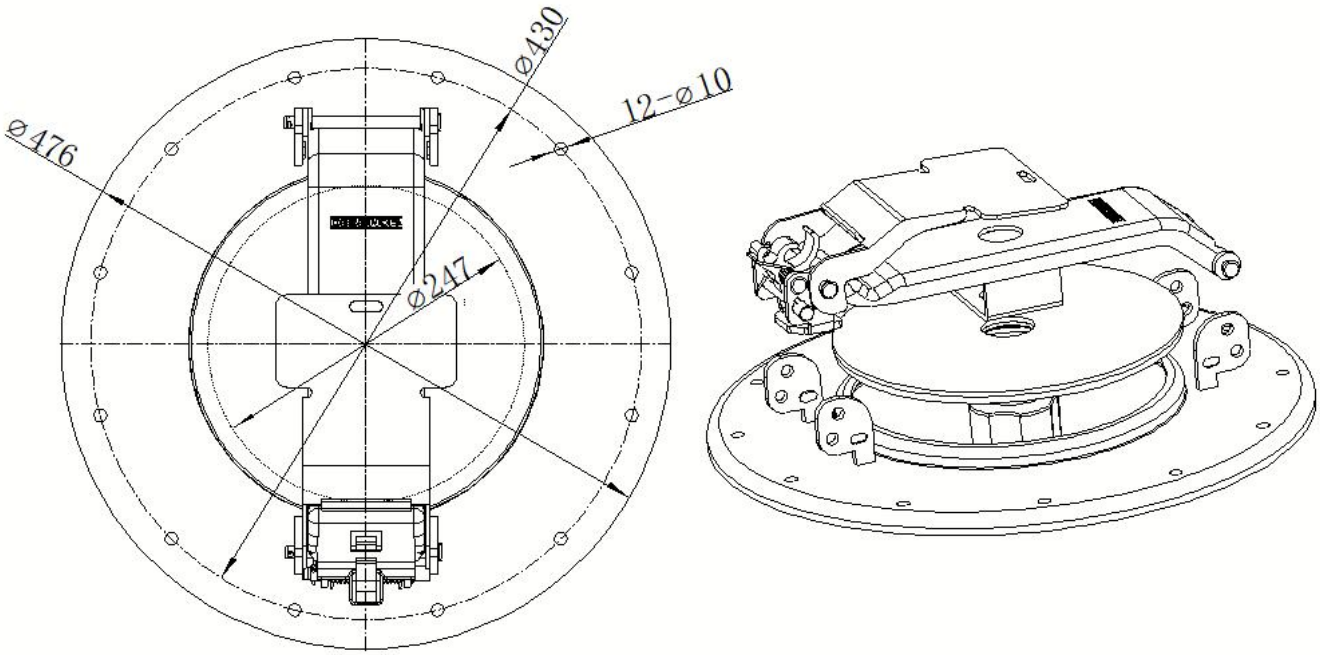


● **functional characteristics**

1. The large cover plate is fabricated through a single-piece stamping process using steel plates, with a surface electrostatic spraying finish, offering impact resistance, corrosion resistance, and aging resistance.
2. Single or double P/V pressure valve configurations can be optionally selected based on requirements.
3. Easy to operate; features a self-locking mechanism that allows manual opening without a key, while ensuring stable locking.






⌀430
12-⌀10
⌀476
⌀247


Tube Doors
Safety Vapor Vents
Tank Vapor Vent
Dust Caps & Plugs with Handles for Hose Tubes
FloTech Overfill Detection
Ladder Stop
Safety Vapor Vents
Sounding Rod
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
Flow
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