Manhole Cover Product Specification

The manhole cover is installed on the top of the oil tanker; when the pressure inside the tank rises sharply, the emergency pressure relief device automatically releases the excess pressure. The cover 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 for installing accessories such as optical sensors, vapor recovery valves, or oil measurement tubes.

Core Function: Emergency Pressure Relief Device Characteristics

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 interior and exterior of the tank, the system automatically adjusts the air intake/exhaust process, balancing safety requirements with environmental protection standards.

3. Secondary activation protection design

When activating the upper pressure plate, the internal pressure is released first, effectively ensuring the safety of the operator.

nominal diameter	20 inches
Emergency Start Pressure	21Kpa~35Kpa
Maximum discharge flow rate	7000m³/h
material quality	carbon steel
way to install	Clamp-type
operating temperature range	-40℃~+70℃

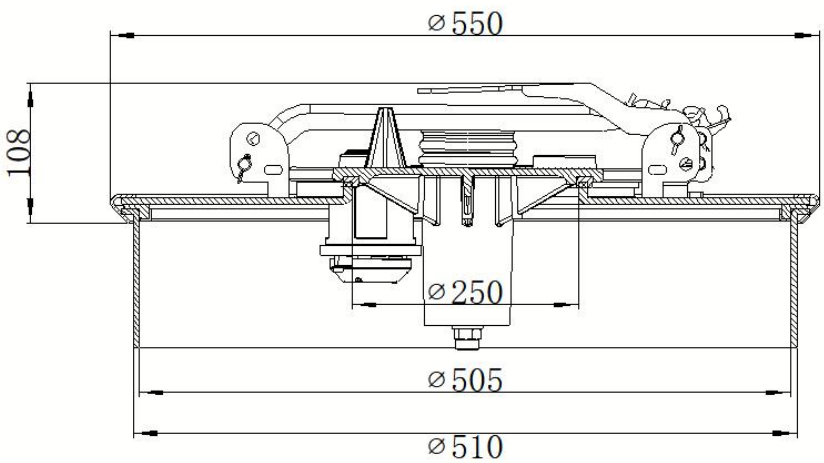
Tanker truck components: Manhole cover series GY801TB-560B

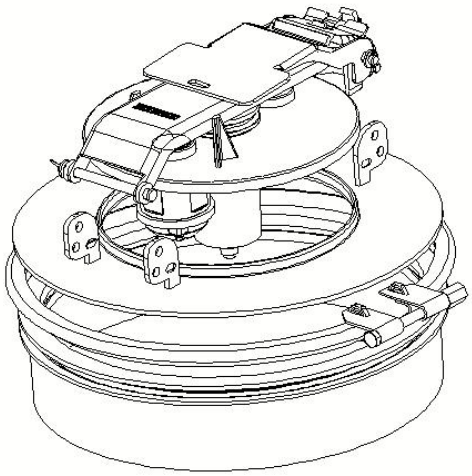


●functional characteristics

1. The large cover plate is fabricated from galvanized steel sheet through stamping process, offering impact resistance and oxidation resistance.
2. Single or double P/V pressure valve configurations can be optionally selected based on requirements.
3. The base is manufactured using a sheet metal roll-welding process, facilitating easy welding to the tank body.
4. The use of a clamp-type connection instead of a flange connection enables quick and secure installation.
5. Features a self-latching mechanism that allows manual opening without a key, ensuring secure locking.




⌀550
108
⌀250
⌀505
⌀510




Tube Doors
Safety Vapor Vents
Tank Vapor Vent
Dust Caps & Plugs with Handles for Hose Tubes
FloTech Overfill Detection
Ladder Step
API Nipplette
Safety Vapor Vents
Snorkeling Pump
API Valve Caps
FUEL
Tube Doors
Tube Doors
API Rivet
Single Point Vapor Recovery Fuel Drop Co-Axial Elbow
Tube Doors
Tube Doors
Vapor Adapter
Leaktec FM Caps
Two Set Missions
Dust Cap
Tank Door
Drop Hose Pumps
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