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 plate is equipped with an intake/exhaust valve (P/V valve), suitable for light fuels such as gasoline, diesel, and kerosene.

Core Functions: Characteristics of Emergency Pressure Relief Devices

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.

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.

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	10 inches
Emergency Opening Pressure	21KPa~35Kpa
Maximum discharge flow rate	At 34 kPa, the flow rate is 4,300 m^3/h.
material quality	alufer
way to install	Top ring seam welding of the tank body
operating temperature range	-40℃~+70℃

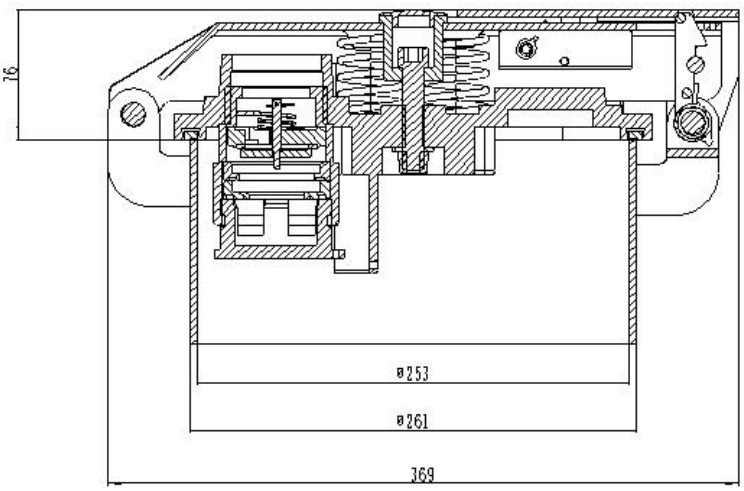
Oil tanker truck components: Manhole cover series GY801P-250F1

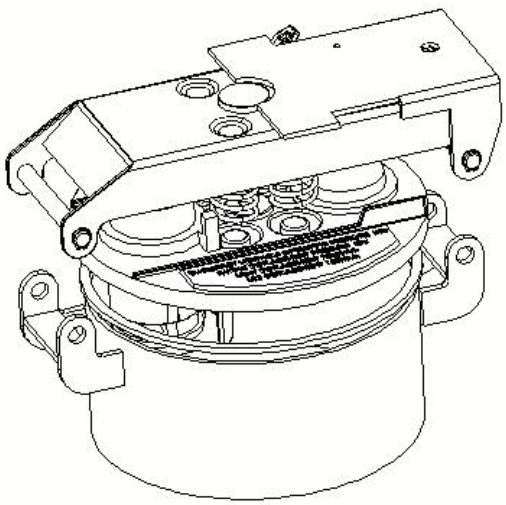


● **functional characteristics**

1. The large cover plate and the small cover plate are manufactured using a casting process, with their surfaces subjected to an oxidation treatment.
2. Equipped with a DN250 aluminum alloy small cover, which enables pre-pressure relief and balances the pressure within the balancing tank.
3. Single or double P/V pressure valves can be optionally selected according to requirements.
4. Equipped with a dedicated key locking mechanism featuring an anti-vibration rebound bayonet interface, ensuring stable locking and leak-proof sealing.




16
Ø253
Ø261
369




Tube Doors
Safety Vapor Vents
Tank Vapor Vent
Dust Caps & Plugs with Handles for Hose Tubes
FloTech Overfill Detection
Ladder Stop
Safety Vapor Vents
Tube Doors
FUEL
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 From Compartment Tank
Leaded FM Caps
Two Swl Maxims
Dust Cap
Tulip Doors
Drop Hose Pipings
FUEL