

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

- 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.
 - 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.

- 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

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



