Manhole Cover Product Specifications

This six-claw locking quick-release manhole is specifically designed for powder-containing pressure vessels such as bulk cement transport trucks, bulk cement tanks, fly ash storage tanks, and dry mortar tanks. Featuring a multi-claw synchronous clamping quick-release mechanism, it serves as the critical safety sealing component for material feeding, maintenance, and tank cleaning operations at the top of the vessel. It combines operational convenience, high-pressure sealing performance, and explosion-proof and leak-prevention safety features, making it suitable for various dry powder, mineral powder, and chemical powder storage and transportation equipment. Applicable media: bulk cement, fly ash, lime powder, dry mortar, ore powder, and dried chemical powders.

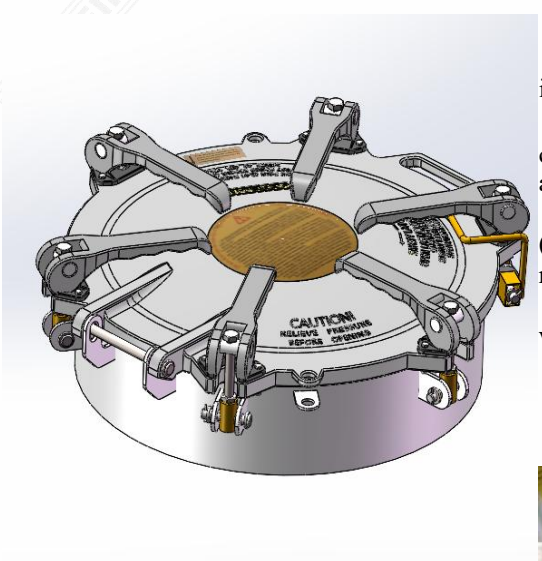
Core Functions: Characteristics of Emergency Pressure Relief Devices

Secondary activation protection design

When the handle is opened sequentially, the sealing area of the large cover will slowly release internal pressure, effectively ensuring the safety of the operator.

nominal diameter	20 inches
working pressure	0.3Mpa
Maximum discharge flow rate	At 34 kPa: 7,500 m³/h
material quality	alufer
way to install	Top ring seam welding of the tank body
operating temperature range	-20℃~+70℃

Tanker truck components: Manhole cover series DSSY-FG500



● functional characteristics

1. The large cover plate is manufactured using a casting process, with its surface undergoing an oxidation treatment.

2. Six-grip locking quick-opening structure: multiple eccentric clamping claws uniformly press against the cover plate, enabling effortless opening and closing while ensuring stable sealing pressure.

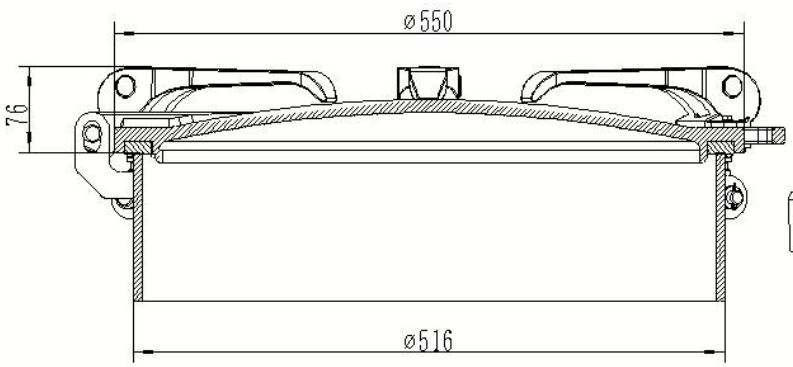
3. The sealing material is made of EPDM rubber or fluororubber (specifically designed for chemical powders), which offers corrosion resistance and anti-aging properties.

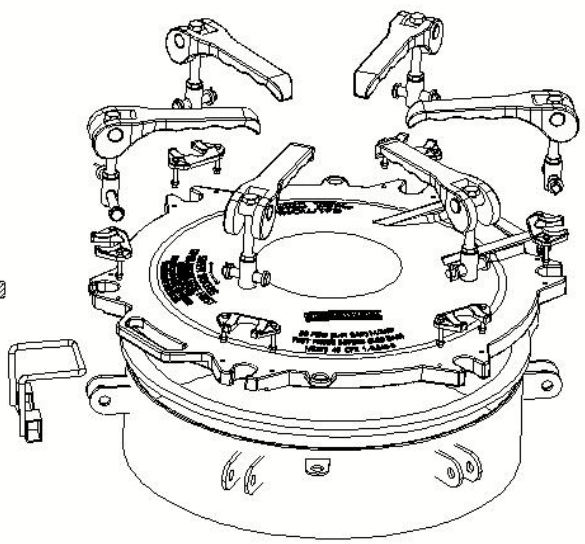
4. The rotating shaft is equipped with an opening angle limit device, which effectively prevents collision with the tank body during opening.

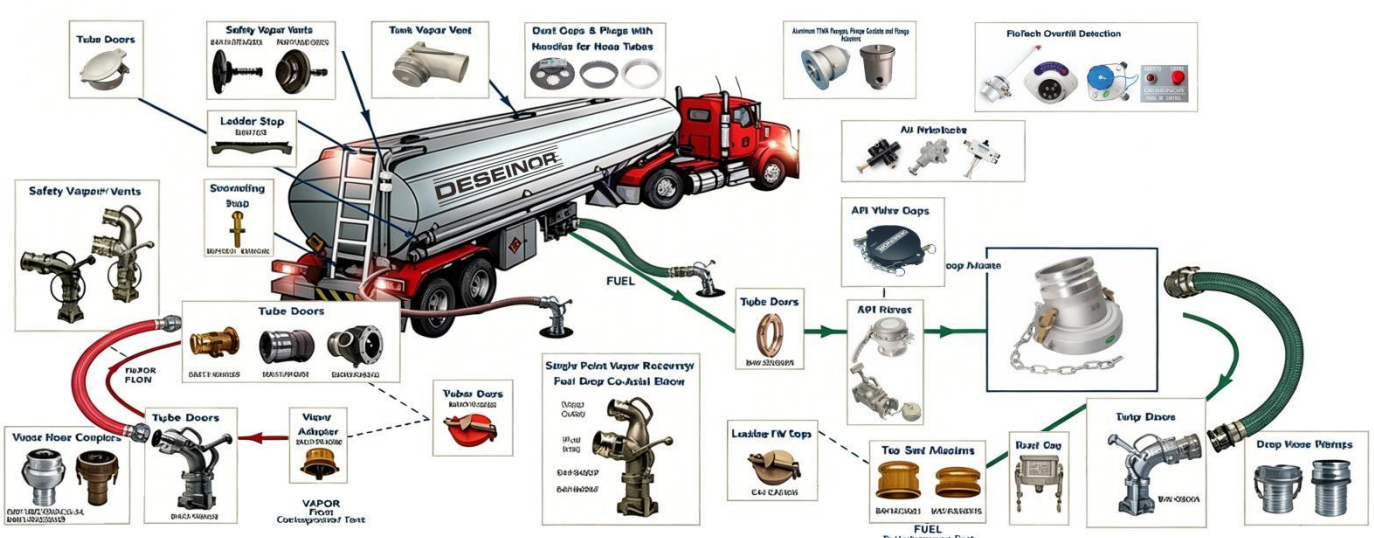







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Tube Doors
Safety Vapor Vents
Tank Vapor Vent
Dust Caps & Plugs With Handles for Hose Tubes
FloTech Overfill Detection
Ladder Stop
All Nickelcote
Safety Vapor Vents
Grounding Stud
API Valve Caps
DESEINOR
FUEL
Tube Doors
API Rivet
Tube Doors
Single Point Vapor Recovery Fuel Drop Co-Axial Elbow
Tube Doors
Tube Doors
Vapor Adapter
Hose Rear Couplers
VAPOR
Ladder Fill Cap
Two Swivel Manifolds
Dust Cap
Tulip Doors
Drop Hose Flanges
FUEL