



Emergency Vent



1.Summarize:

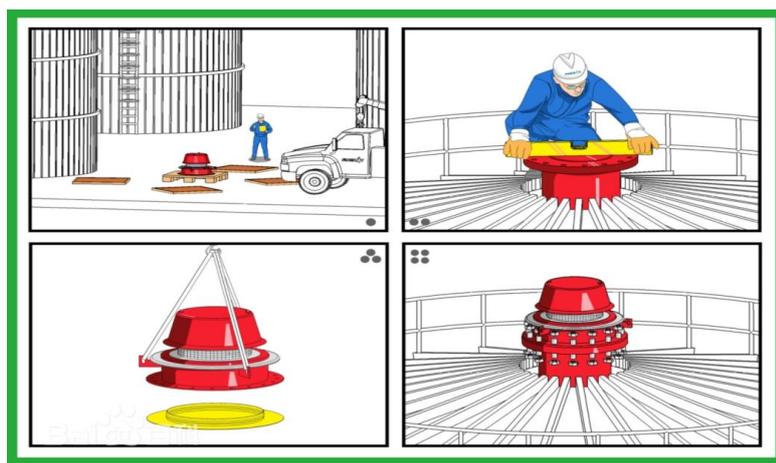
Emergency relief manhole is a fast relief device, its technical performance, main parts and materials are the same as breathing manhole. Emergency relief manhole is a safe emergency ventilation device installed on petrochemical equipment and storage tanks. It is usually used in conjunction with the breathing valve installed on the top of the tank to maintain the normal pressure in the tank. It can avoid accidents caused by sudden overpressure or vacuum in the tank due to unexpected reasons and damage the tank; it has constant pressure discharge, constant pressure inhalation, flexible type closure, compact structure and sealing. It has the advantages of good performance, safety and reliability.

2.Function:

Under the normal working condition of fire-retardant breathing valve, the emergency Vent is basically sealed and the storage tank is under normal pressure. When the normal operation of the breathing valve can not meet the sudden overpressure of the storage tank caused by accident, the relief cover of the relief manhole automatically opens and carries out emergency relief to keep the pressure in the tank normal; when the pressure in the tank is sharply reduced or ultra-vacuum, the inhalation valve opens and inhales the atmosphere rapidly to maintain the normal pressure in the tank; when the atmosphere is inhaled with sparks and flames, the fire barrier acts as the wall of the tank. The function of "effect" is to prevent the flame from passing in order to protect the safety of storage tanks.

3. Installation :

1. It is very important to remove the package and read the product description.
2. When hoisting emergency release manhole, appropriate hoisting tools should be selected to
3. It is very important to check the coaxiality and verticality of pipe flange on tank or water tank
4. Check the line surface of pipe flange on tank or water tank. It must be clean, free of scratches, corrosion, tool traces, and flat.
5. Remove flange end cover and other packaging materials.
6. Check the gasket and make sure that the material is suitable for application.
7. Use bolt circles to center the washer.



4. Parameter characteristics:

Body Material (WCB、304、316)

Seal Material (FEP/PTFE)

ambient temperature (-30C°~+60C°)

Operating pressure (-392pa~ +1961Pa) (-40mmH2O~+200mmH2O))

5. Maintenance:

Maintenance and maintenance of emergency release manhole once a month, twice a month in winter. Its method: first open the valve cover gently, check whether the pressure cover is stained or damaged, check whether there is oil and dirt in the sealing place between the valve disc and the valve disc, if there is oil and dirt, it should be cleaned up, then put it back in place, pull it up and down several times to check whether the opening is flexible and reliable. If everything works, tighten the bonnet. In maintenance and maintenance, if abnormal phenomena such as scratches and abrasion are found on the pressure plate, it should be replaced immediately or contacted with the supplier company so as to be solved in time.