

## Tank Blanketing Valves



### Description

Tank Blanketing Valves provide an effective means of preventing and controlling fires in flammable liquid storage tanks. Vapors cannot be ignited in the absence of an adequate supply of oxygen. In most instances, this oxygen is provided by air drawn into the tank from the atmosphere during tank emptying operations.

Tank Blanketing Valves are installed with their inlet connected to a supply of pressurized inert gas (usually Nitrogen), and their outlet piped into the tank's vapor space. When the tank pressure drops below a predetermined level, the blanketing valve opens and allows a flow of inert gas into the vapor space. The blanketing valve reseals when pressure in the tank has returned to an acceptable level. The blanketing gas contains no air. No supply of air (Oxygen) is allowed to enter the tank. The vapors, therefore, never form a flammable mixture.

Tank Blanketing Valves help maintain the vapor space in a non-flammable condition, and also provide make-up gas to insure that the tank's vapor space is not subjected to a vacuum.