

In-line Pressure/Vacuum Valve

IBV TYPE



Introduction

- The IBV type valve of TOPSAFE with regard to the regulation of SOLAS 92 and IMO MSC/Circ. 677, ISO 15364, is designed to combine the pressure relief valve and vacuum relief valve in a compact single body.
- It is designed for the safety of cargo tanks of the oil tanker and chemical tankers.
- The pressure relief valve enables liquid flow normally in pipe line for protect vessels and tanks from rising exceeding pressure above a certain pressure setting during loading or vapor evaporation caused by atmospheric temperature rising. And the vacuum relief valve functions to put the atmospheric air into the tanks of the vessels above a vacuum setting during unloading or vapor condensation and to prevent the passage of flame into the cargo tank. This means that vacuum relief valve have the function of the flame arrester.

Dimension Table

Unit = mm

Size	3"	4"	5"	6"	8"	10"	12"	16"	18"
N.D	80	100	125	150	200	250	300	400	450
ØA	310	356	410	490	570	740	840	1040	1250
H	490	500	526	658	698	838	861	1116	1294

Relative Rules and Requirements

- SOLAS II-2/11.6 (Consolidated Edition 2020)
- IMO MSC/Circ.677
- ISO 15364

Benefits

The effect of prevention of cargo tank

With the exception of influx and efflux of stores, it is kept always closed to prevent the diffusion of exploration into tank.

The effect of prevention of corrosion (The effect of extension of life)

To keep the stabilization of constant gas pressure generated inside tank, prevents inside of the tank from corrosion by the temperature of gas.