

High Velocity P/V Relief Valve

U-ISO-H/V/G Series

**Non-Hammering
High Velocity Pressure/Vacuum Relief Valve(With Gas Free Cover)**

> General Description

Principle



U-ISO-H/V/G series high velocity pressure/vacuum valve is designed to prevent the flame passage into cargo tanks and to relieve excessive over pressure or under vacuum of cargo tanks during cargo loading, discharging, ballasting and thermal variation.

U-ISO-H/V/G series of high velocity pressure/vacuum valve, which provide Non-hammering, Non-accumulation condensate vapor and Non-corrosion for marine cargo tanks, are very simple and advanced models.

U-ISO-H/V/G series is designed to prevent the flame passage into cargo tank in compliance with IMO MSC/Circ. 677/1009, ISO 15364 and vapor control system of USCG (46 CFR.39-20.11 & 162.017)

Basic Rule Requirements

- IMO MSC/Circ.1009
- IMO MSC/Circ.677
- IMO MSC/Circ.585
- IMO MSC/Circ.450 Rev.1
- IMO MSC/Circ.731
- International Standard 15364
- Solas Rule Reg. API 2000 - Flow test procedure

> Outline Drawing

Material of Construction

No.	Description	Material	
		Spec. 1	Spec. 2
1	Upper Body	Ductile cast iron	Stainless steel 316L
2	Lower Body	Carbon steel	Stainless steel 316L
3	Pressure seat	Stainless steel 316	Stainless steel 316L
4	Pressure disc	Stainless steel 316	Stainless steel 316L
5	Pressure cap	Stainless steel 316	Stainless steel 316
6	Pressure stem	Stainless steel 316	Stainless steel 316L
7	Cap nut	Stainless steel 316	Stainless steel 316
8	Lifting arm	Stainless steel 316	Stainless steel 316
9	Pushing port	Stainless steel 316	Stainless steel 316
10	Vacuum body	Ductile cast iron	Stainless steel 316L
11	Vacuum cover	Carbon steel	Stainless steel 316L
12	Vacuum disc	Stainless steel 316	Stainless steel 316L
13	Vacuum seat	Stainless steel 316	Stainless steel 316L
14	Flame screen	Stainless steel 316	Stainless steel 316L
15	Screen cover	Stainless steel 316	Stainless steel 316

Dimension Table

MODEL	N.D	H1	APPH	L1	APPL	WT(kg)
U-ISO-HV-65	65	509	599	226	417	44
U-ISO-HV-80	80	541	634	244	428	60
U-ISO-HV-100	100	603	734	286	500	84
U-ISO-HV-125	125	712	845	331	586	114
U-ISO-HV-150	150	764	907	377	671	150
U-ISO-HV-200	200	882	1027	466	836	234
U-ISO-HV-250	250	1066	1260	575	1025	378
U-ISO-HV-300	300	1170	1384	645	1165	502

