Emergency vent

Figure: HITEK - HEV

According to API 2000 code, BS7244, the HEV is designed, manufactured and tested by HITEK
Model HEV series type is mounted on the end of a vent pipe from the tank. Emergency Relief Vents provide an emergency pressure relief opening for storage tanks when exposed to overpressures, Access Manways are non-sparking manhole covers which permit access to low pressure storage tanks and can provide emergency venting capacity in the event of fire. They are used extensively on bulk Liquid storage tanks, including floating roof tanks

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Emergency vents are fitted to storage tanks to allow emergency flow due to the excessive venting requirement from a fire burning around a storage tank. Their use eliminates a costly tank rupture by providing emergency venting from abnormal internal pressure beyond the capability of the pressure relief vent. In the event of a fire the pallet lifts at a pre-determined pressure, thus supplying a large venting air

Product name: Emergency vent

Model: HEVC (A216 WCB)

HEVS (SS304/SS316/SS316L)
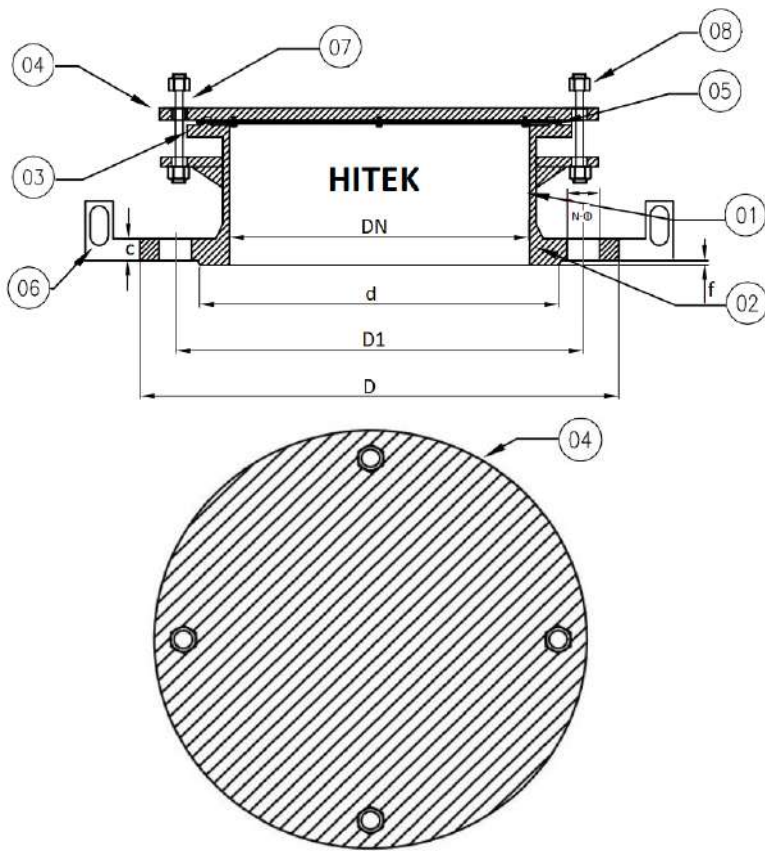
Design standard: API 2000

Type: Design to prevent loss and the cover to start opening when the tank pressure exceeds set pressure.

Flange standard: ASME B16.6(or requested by JIS/DIN)

Set pressure: max 700mmW.C

Size 200mm – 600mm

Part No	Part name	Cast steel	Stainless steel	Stainless steel
1	Body	A216-WCB	SS304	SS316
2	Flange	A216-WCB	SS304	SS316
3	Seat	SS304	SS304	SS316
4	Cover	A216-WCB	SS304	SS316
5	Diaphragm	FEP	FEP	FEP
6	Lifting ear	A216-WCB	SS304	SS316
7	Bolt	SS304	SS304	SS316
8	Nut	SS304	SS304	SS316

SIZE	DN	D	D1	d	C	f	N-ØL
8"	200	345	298.5	269.9	27	2	8-ø22
10"	250	405	362	323.8	28.6	2	12-ø25
12"	300	485	431.8	381	30.2	2	12-ø25
14"	350	535	476.3	412.8	33.4	2	12-ø29
16"	400	595	539.8	469.9	35	2	16-ø29
18"	450	635	577.9	533.4	38.1	2	16-ø32
20"	500	700	635	584.2	41.3	2	20-ø32
24"	600	815	749.3	692.2	46.1	2	20-ø35

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