

Storage Tank Protection Equipment



High Velocity
Pressure
Vacuum Valve



ATEX
approved

VENT FOR CARGO TANKS

V VENT FOR CARGO TANKS

Product Description

Model No. 170



<https://www.youtube.com/watch?v=LyU0OZaPFAM>

- Product IMO / MSC Circulars 677/1009 Compliant with all the regulations and conditions specified in ISO 15364, ERGIL High-Speed Pressure / Vacuum Valve provides active protection against fire and explosion on the deck.
- If used SS316, it increases the resistance against extreme weather conditions.
- Being at least 30m /s of the gas exit velocity of the inside is evacuated and closed without taking the spark to the ship's deck.
- The vacuum top cover on the product which will provide extra safety during tank filling/emptying and cleaning. The vacuum top cover is closed with flame curtain and there is no flame entry inside.
- The pressure and vacuum arms offered to the manual service are an option to remove sudden freezing conditions that may occur in adverse weather conditions.
- The product minimizes gas loss.
- Usable compact material and design provide a long maintenance-free cycle.
- Depending on the storage capacity of the tank, a pressure change calculation is made and can be manufactured with a non-standard boundary pressure value as required.

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Key Features

- The design is lighter compared to other competitors.
- The magnetic field created in the body, a special design flame-retarding curtains mounted on the lower vacuum and upper discharge points of the device provide a safe environment in order to prevent glare and flaming that may occur outside the tank from leaking into the tank.
- No need for internal maintenance.
- It can be used without detachability except for control, cleaning and maintenance.
- The cargo for steam burning meets the new IMO and MED requirements (MESG 0.9 & 0.65 mm).

Manufacturing Materials

Hausing	Seal/Pallet	Pallet Seal	Hardware	Weights	Gaskets
Cast Aluminum	Aluminum	FEP Teflon	304 S.S.	Carbon Steel	Compressed Fiber
304 S.S.	304 S.S.		316 S.S	304 S.S.	Clinger
316 S.S	316 S.S			316 S.S	
				Lead	

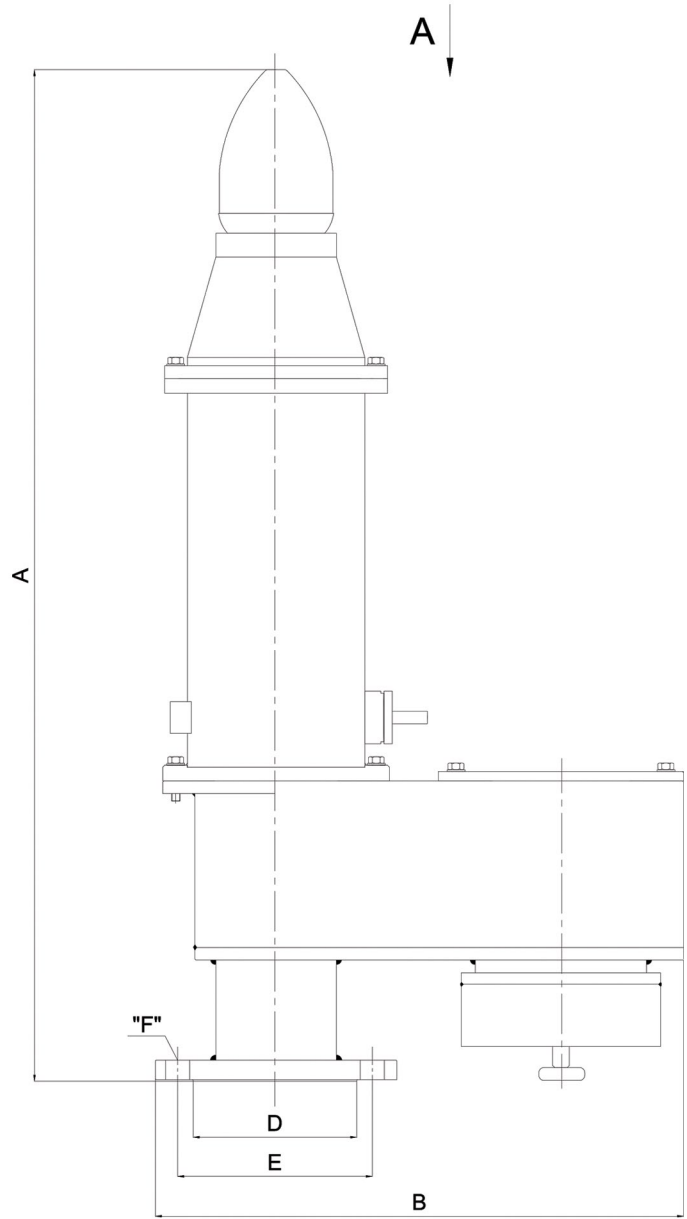
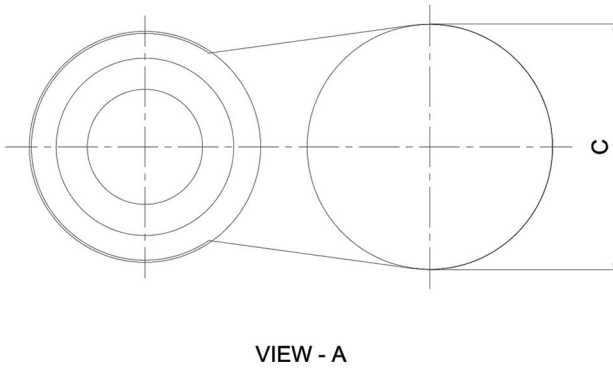


Why do you need a high velocity pressure vacuum valve?

- Prevents unwanted gas escaping; minimize product loss and protects the environment.
- Blocks flame entering to the tank.
- Provides lower flammable limit by realizing the gas above the flammable range.
- Provides safe working environment on the ship deck.
- Minimize odour threshold.
- Reduce noise during loading & unloading.

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Dimension and Weights



- A : Height**
- B : Length**
- C : Width**
- D : Flange RF Diameter**
- E : Bolt Circle Diameter**
- F : Hole Diameter & Quantity**

SIZE		A	B	C	D		E		F	
NPS	DN				ANSI 150# RF	PN 16	ANSI 150# RF	PN 16	ANSI 150# RF	PN 16
3"	80	705	375	180	127	138	152.4	160	Ø19x4	Ø18x8
4"	100	960	500	233	157.2	158	190.5	180	Ø19x8	Ø18x8
6"	150	1250	650	300	216	212	241.3	240	Ø22x8	Ø22x8

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