

Emergency Pressure Relief Valve(EMERGENCY VENT) Model No: PFCI/EPRV/2051

In addition to the normal venting capacity requirement by the valve/Flame Arrester. All large above ground storage tanks needs emergency Pressure relief caused due to fire in adjoining area. These relief requirements are recommended to be considered by making provision of Emergency Pressure Relief Valve as per API 2000 standard.

When fire occurs near the storage tank which is having flammable liquid the heat is transmitted through the tank walls causing to vaporize more quickly this condition create a relatively high pressure within the tanks vapor space in the absence of required emergency relief an explosion could occur.

The explosions caused by the above condition may be avoided by using Pre'con emergency relief valve which allows the vapor to release to atmosphere. This emergency vent valves are weight loaded, Spring loaded, Hinged type etc, which provides tight seal under normal conditions and open only when the set pressure is attained and release the excessive volume of vapor generated by this condition.

The Pre'con Model No: PFCI/EPRV/2051 Emergency Pressure vent is designed based over 40 years of technical expertise in manufacturing high quality and reliable conservation vent.

The continual improvements in design provides the optimum combination of reliability, High flow capacity and low leakage rate suitable for variety of service.

The Emergency Pressure relief valve relieves excessive internal pressure in liquid storage tank.

Standard material of construction for body is Cast Aluminium, Cast Steel, Stainless steel 304/316. Pallet is made of Aluminium, Stainless Steel 304/316.

Special Features.

Pre'con Special "air cushioning" diaphragms are constructed of Teflon. Teflon diaphragms contribute to high resistance to adhesion of ice & gum formation caused by atmospheric moisture and resinous vapors. Thus assuring protection against pallet sticking to the seating surface.

The carefully constructed seat and pallet assembly offer superior combination for High flow capacity with minimum over pressure.

The Vertical central guiding system ensures the proper alignment of seating surface and vertical lift of pallet provides maximum flow.

The emergency vent is very easy to install and very convenient in handling .

All Pre'con products are inspected and tested in house to meet all critical requirements of customer.

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The venting capacities certified in accordance with API /ISO and EN standard.



TABLE – 1 SELECTION OF MATERIAL

DESCRIPTION	A	B	C	D
Body	Cast Aluminium	CS	SS304	SS316
Diaphragm	PTFE	PTFE	PTFE	PTFE
Stem	SS304	SS304	SS304	SS316
Fasteners	MS Zinc plated	MS Zinc plated	SS304	SS316
Guide	A 106 Gr B	A 106 Gr B	SS304	SS316
Guide Cover	IS 2062 /A 36	IS 2062 /A 36	SS304	SS316

Any special materials like Teflon coating, FRP coating, Hast alloy, upon request.

TABLE – 2 SELECTION OF PALLET MATERIAL

DESCRIPTION	A	B
Size	6” to 16”	18” to 30”
Set Pressure mm Wc	40 to 400	40 to 400
Pallet Material	Aluminum/Stainless Steel	Aluminium/Stainless Steel

For Set pressure up to 80 mm Wc - Pallet Material Aluminium for Set pressure above 80 mm Wc –Pallet material Stainless Steel

Any special materials like Teflon coating, FRP coating, Hast alloy, Titanium upon request.

End connections : ANSI, API 650 ,DIN, JIS,BS & IS
Smaller size available on request.