

Gas Blanketing and Pressure Control Equipment for storage Tanks

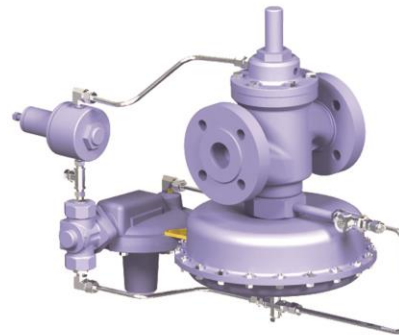
Storage tanks are one of the vital components of many industries. These tanks should be equipped with some special valves because of safety, financial and environmental reasons. Pishro Gas Maher produces and tests the following equipment according to the latest international standards.



Gas Blanketing Regulator- Model BR1197

Introduction

Inert gas blanketing or padding are provided on tanks to protect the contents of the tanks from contamination, maintain non-flammable atmospheres in the tanks and reduce the extent of the flammable envelope of the vapors vented from the tanks. The Type **BR1197** is a pilot-operated regulator which contains a cage and trim main valve, a feeder regulator and sensor to precisely injects inert gas to storage tanks.



Specifications

Maximum Operating Inlet Pressures		20.5 bar	
Outlet Pressure Ranges		2 to 480 milibar	
Size & Connection Type		1(25) , 2(50)	
Port Diameter	Size	1(25)	33.3 mm
		2(50)	60.3 mm
Control Line Connection		3/4 in NPT	
Main Valve Flow Characteristic		Linear	
Operating Temperature		25°C to +60°C	
Working Medium		Natural/Sour gas, nitrogen, air, propane, butane, Carbon Dioxide	
Material		Body and Housing : WCB steel, Stainless Steel optional	
		Diaphragm & O-ring : EPDM, FKM, Viton,FFKM, Nitrile	
		Spring : Stainless Steel 302	
		Cage : WCB steel, Stainless Steel 316/316L(NACE)	
		Other Internal Parts : Stainless Steel 316/316L/304	

Pressure/Vacuum Relief Valve- Model PVR280

Introduction

MAHER™ PVR280 Pressure/Vacuum Relief Valves-also known as Breather Valves- are designed to protect the reservoirs against excessive positive or negative (vacuum) pressures due to the loading or unloading operations and temperature variations. As the reservoir pressure exceeds the valve relief or vacuum setting, the pallets arise allowing the venting or the vacuum relieving of the reservoir.



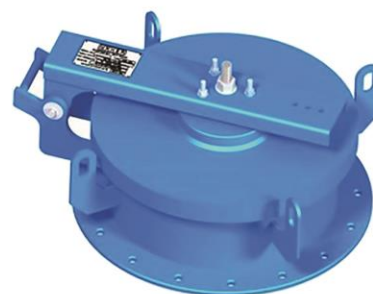
Specifications

Pressure Set	2.2 to 100 milibar
Vacuum Set	2.2 to 75 milibar
Size	DN (50,80,100,125,150,200,250)
Operating Temperature	20°C to +85°C
Option	Direct /Lateral Installation
Material	Body : Aluminum, Carbon Steel, Stainless Steel
	Diaphragm & O-ring : EPDM, FKM, Viton, Nitrile
	Seat & Pallet : Stainless Steel 316/316L/304
	Hood : Stainless Steel 304/316

Emergency Vent Valve- Model EVD200

Introduction

MAHER™ EVD200 Series emergency relief vents are designed to provide an opening for storage tanks when exposed to overpressure that are not handled by standard tank vents. These vents provide the capacity to meet API standard 2000 for emergency venting due to fire exposure when properly sized. These vents also provide quick easy access for tank inspection and maintenanc.



Specifications

Item	Specification	Description
1	Connection Flange Size (NPS or API)	16, 18, 20, 24
2	Pressure Setting (mbar)	5 to 160
3	Operational Temperature (C)	28 to 80
4	Body Material	Carbon steel, 304 Stainless steel, 316 Stainless steel
5	Pallet Material	Carbon steel, 304 Stainless steel, 316 Stainless steel, Aluminum
6	Diaphragm Material	PTFE, FEP, non-asbestos insulator
7	O-Ring Material	NBR, FKM, EPDM
8	Painting	All non-corrosion resistant portions to be painted with corrosion resistant epoxy paint
9	Packaging	Wooden Box