DATASHEET /
TECHNICAL SPECIFICATIONS

OsecoElfab

GLVF

GASKET LINED VENT

A lightweight solution to protect bucket elevators during deflagrations

The OsecoElfab GLVF is an excellent solution for protecting bucket elevators during deflagrations. The lightweight vent features a built-in gasket and built-in outlet frame that eliminates the need to fabricate an angle iron hold down frame.

Designed to meet the requirements of NFPA 61, the GLVF is an economical solution, available for the most commonly used sizes. An alarm sensor available for automatic system shut-down should the vent activate.

Size	Customizable
Burst Pressure	Customizable
Operating Ratio	50%
Burst Tolerance	+/-0.25 psig at 0.75 psig
Common Applications	Bucket elevators

Let us help you with all your pressure relief questions.

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TECHNICAL SPECIFICATIONS

Size range	9"x12", 12"x18", 18"x24" (Custom sizes available on request)
Pressure range	Custom pressures available on request - contact factory
Temperature range	-40°F to 180°F (-40° to 82°C)
Standard materials	316 Series Stainless Steel, Closed cell foam
Max. Operating Ratio	50% of stamped maximum burst pressure
Performance Tolerance	+/-0.25 psig at 0.75 psig
Fragmentation	Non-fragmenting design
Vacuum Service	Not recommended for vacuum service
Design Standards	Meets the requirements of NFPA 61

Related Products

Sensors
SVT-03

Free Flow Area / Minimum Net Flow Area (MNFA)

NOMINAL BORE		MNFA	
inches	DN (mm)	Sq. Inch	mm^2
1	25	0.864	557
1.5	40	2.036	1,313
2	50	3.355	2,164
3	80	7.393	4,769
4	100	12.73	8,212
6	150	28.89	18,638
8	200	50.0	32,258
10	250	78.9	50,903
12	300	113.1	72,967
14	350	137.9	88,967
16	400	176.7	113,999
18	450	233.7	150,773
24	600	424.6	273,934

Burst Tolerance

+/-5% > 40 psig +/-5% > 2.8 barg	+/-2 psig ≤ 40 psig +/-0.14 barg ≤ 2.8 barg

K_R **Value** (Frictional Loss Factor)

K_R	PRO+	PRO+KRGL
K_{RG}	0.29	
K_{RL}		0.69