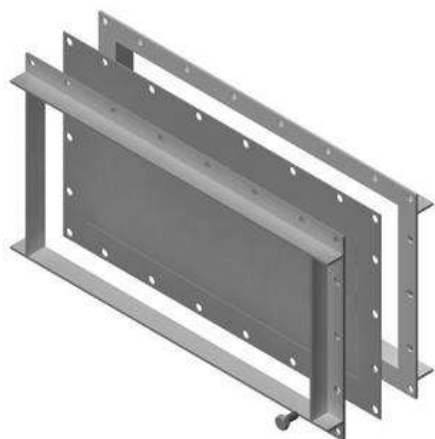


CV EXPLOSION VENTS



Features

- Layers of stainless steel and FEP or PFA film create a high-performance explosion vent.
- Effective solution for static-to-light pressure cycling and light vacuum conditions.
- Tested under full-scale explosion conditions, not just computer modeling.

Description

This simple, reliable explosion protection solution provides reliability and low-maintenance while protecting your facility. While the rectangular version is standard, a circular version is available upon special request to accommodate installation between standard flanges in accordance with DIN 3632 PN10 or ANSI B16.5 150.

Installation

CV rectangular and circular vents are mounted in lightweight angle frames available in multiple configurations (order separately from Fike). You can also make frames by downloading the instructions from the Technical Support section at www.fike.com.

Specifications

Compliance	NFPA 68 installation standards
Construction Materials	316 SST / FEP or PFA / 316 SST
Maximum Operating Pressure/Vacuum Rating	75% of min. stamped burst pressure for BP ≤ 1.5 psig 60% of min. stamped burst pressure for BP ≥ 1.5 psig
Standard Burst Pressure Tolerance	± 0.25 psig for burst pressures < 1.0 psig ± 0.5 psig for burst pressures $1.0 - 4.0$ psig ± 1.0 psig for burst pressures > 4.0 psig
Operating Temperature Range	-40 to 204°C / -40 to 400°F (FEP) -40 to 260°C / -40 to 500°F (PFA)
Optional Equipment	○ Burst indicators / monitoring system ○ Atmospheric insulation ○ Process insulation ○ Weather covers ○ Installation frame ○ Flameless venting ○ Alternative materials and temperature ranges ○ Tighter tolerances

Ordering Information

To place your order, please call Fike at 1-800-YES-FIKE.



Vent Size		Relief Area		Minimum Burst Pressure		Maximum Burst Pressure	
IN	cm	ft ²	m ²	psig	mbarg	psig	mbarg
9 x 12	23 x 30	0.61	0.057	2.0	138	10.0	690
12 x 12	30 x 30	0.84	.078	2.0	138	8.0	550
12 x 18	30 x 46	1.30	.12	1.5	103	8.0	550
*12 x 24	30 x 61	1.76	.16	1.5	103	8.0	550
18 x 18	46 x 46	2.01	.19	1.0	69	8.0	550
18 x 24	46 x 61	2.72	.25	1.0	69	8.0	550
18 x 30	46 x 76	3.42	.31	1.0	69	8.0	550
24 x 24	61 x 61	3.67	.34	1.0	69	8.0	550
20 x 30	51 x 76	3.83	.36	1	69	8.0	550
*18 x 35	46 x 89	4.01	.37	1.0	69	8.0	550
18 x 36	46 x 91	4.13	.38	1.0	69	8.0	550
24 x 30	61 x 76	4.63	.43	1.0	69	8.0	550
*24 x 36	61 x 91	5.59	.52	.5	35	8.0	550
30 x 30	76 x 76	5.84	.54	.5	35	8.0	550
24 x 44	61 x 112	6.87	.64	.5	35	8.0	550
30 x 36	76 x 91	7.05	.66	.5	35	8.0	550
24 x 48	61 x 122	7.51	.7	.5	35	8.0	550
36 x 36	91 x 91	8.51	.79	.5	35	8.0	550
30 x 44	76 x 112	8.66	.81	.5	35	8.0	550
*36 x 44	91 x 112	10.45	.97	.5	35	8.0	550
44 x 44	112 x 112	12.84	1.19	.5	35	8.0	550
44 x 69	112 x 175	20.31	1.89	.5	35	8.0	550
6 Dia.	15 Dia.	.14	.013	3.0	27	15.0	1030
8 Dia.	20 Dia.	.28	.026	2.5	172	15.0	1030
10 Dia.	25 Dia.	.45	.042	2.0	138	11.0	760
12 Dia.	30 Dia.	.68	.063	2.0	138	10.0	690
14 Dia.	36 Dia.	.95	.088	1.5	103	10.0	690
16 Dia.	41 Dia.	1.27	.12	1.25	86	10.0	690
18 Dia.	46 Dia.	1.62	.15	1.0	69	10.0	690
20 Dia.	51 Dia.	2.02	.19	1.0	69	10.0	690
22 Dia.	56 Dia.	2.46	.23	1.0	69	10.0	690
24 Dia.	61 Dia.	2.95	.27	1.0	69	10.0	690
26 Dia.	66 Dia.	3.48	.32	.8	69	10.0	690
30 Dia.	76 Dia.	4.67	.43	.5	35	10.0	690
36 Dia.	91 Dia.	6.78	.63	.5	35	10.0	690
40 Dia.	102 Dia.	8.40	.78	.5	35	10.0	690
44 Dia.	112 Dia.	10.20	.95	.5	35	10.0	690

* These sizes are stocked at the factory for 1.5 psig nominal burst pressure 72° only

- Custom sizes are available
- All dimensions are nominal