

Protection Cover

Type Ex-Cover Rectangular

Explosion venting is often selected to protect industrial equipment against the devastating effects of an explosion. In those applications where explosion vents are installed in a position where elements like dirt, snow, wind or ice may influence the predictable use and lifetime of explosion venting, an explosion vent protection cover is recommended.



The Fike Ex-Cover offers a lightweight, corrosion resistant environmental protection for Fike explosion vents, reducing the effects of dirt, wind, snow, etc. whilst the safe functioning of the upstream explosion vent is safeguarded. The Ex-Cover is designed to allow an unobstructed explosion relief, and will assist in reducing the need for preventive maintenance and control. Installation on top of vent ducts, e.g. to prevent ingress into the vent duct, is not allowed.

SPECIFICATIONS

Type		Ex-Cover Rectangular	
Sizes ⁽¹⁾		18" x 22" to 44" x 44"	470x570 to 1110x1110
Material of Construction		1.4301 (304 SST), 1.4404 (316L) Nylon Clinch Rivets	
Compatible Vent Type		CV, CV-S, CV-SF, VV-S, Sani-V, Sani-V-S	
Burst Pressure ⁽²⁾		0.73 psi	50mbarg
Burst Pressure Tolerance		±0.36 psi	±25mbarg
Operating Temperature Range		-40°F to +302°F	-40°C to +150°C
Ambient Temperature		-40°F to +140°F	-40°C to +60°C
Explosion Hazards	K _{st, max}	250 bar.m/s	
	P _{max}	10 bar	
	P _{red, max}	1.15 bar	
Approvals			
ATEX Approvals	Marking	 II GD	
	Norms	EN 14797: 2006	
	Certification	INERIS 18ATEX0002	
European Conformity CE Approval		CE 0948	
Other approvals		EAC	

- 1) These are ATEX compliant sizes. Ex-Cover sizes outside the ATEX size range will not be CE and Ex marked and are only allowed in non-ATEX regions.
- 2) Ex-Covers have a nominal burst pressure of 50mbarg which must be lower than the nominal Pstat of the explosion vent. For vent area calculation, use the highest Pstat and tolerance of the explosion vent and Ex-Cover.

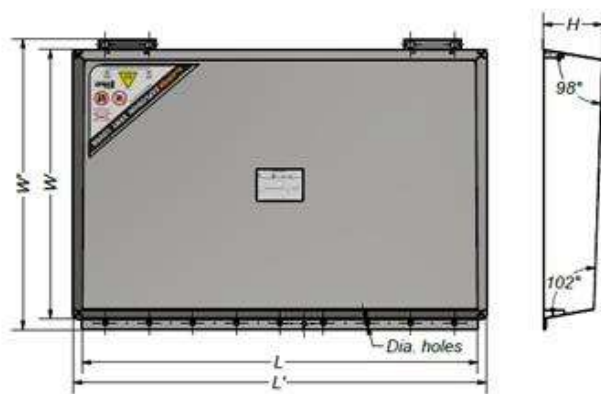
INSTALLATION REQUIREMENTS

The Ex-Cover Rectangular shall be installed directly onto the explosion vents, with the gaskets typically attached to the Fike explosion vent upon delivery.

A rupture indicator on the explosion vent installed under the Ex-Cover Rectangular is recommended.

Bolts, washers and nuts are provided by the customer.

DIMENSIONS



Size	W	W'	L	L'	H	Appr. Weight	Bolt specifications	
Inch	inch	Inch	Inch	Inch	Inch	lb	qty	size
18x24	19.06	20.99	23.54	25.10	4.52	8	10	M10
24x24	25.03	26.95	23.54	25.10	5.04	10	10	M10
18x30	19.02	20.99	29.61	30.91	4.78	9	11	M10
18x35	19.03	20.96	34.54	36.10	4.94	12	12	M10
24x36	25.03	26.96	35.54	37.10	5.43	14	13	M10
24x44	25.02	26.99	43.61	44.91	5.61	16	15	M10
24x48	25.07	26.99	47.54	49.10	5.04	17	16	M10
36x36	37.05	38.96	35.54	37.09	7.05	20	13	M10
36x44	37.05	38.96	43.54	45.09	7.32	24	15	M10
38x46	39.06	41.09	45.54	47.09	6.65	27	15	M10
44x44	44.88	46.95	43.53	45.07	8.03	29	15	M10

Size	W	W'	L	L'	H	Appr. Weight	Bolt specifications	
mm	mm	mm	mm	mm	mm	kg	qty	size
500x500	550	599	508	548	121	3.42	9	M10
470x570	521	569	578	618	165	4.11	10	M10
500x600	550	599	608	648	121	3.91	10	M10
500x700	550	599	708	748	129	4.51	11	M10
625x625	685	734	633	673	141	5.06	8	M10
500x800	550	599	808	848	128	4.99	12	M10
500x900	550	599	908	948	135	5.60	13	M10
500x1000	550	599	1008	1048	133	6.07	14	M10
566x900	616	665	908	948	137	6.10	13	M10
600x1000	650	699	1008	1048	149	7.13	14	M10
625x1110	685	734	1118	1158	162	8.22	11	M10
700x1000	750	799	1008	1048	165	8.19	14	M10
800x1000	850	899	1008	1048	170	9.10	14	M10
900x900	950	999	908	948	174	9.19	13	M10
900x1000	950	999	1008	1048	174	9.99	14	M10
1000x1000	1050	1099	1008	1048	188	11.07	14	M10
1110x1110	1170	1219	1118	1158	192	13.24	11	M10

ORDERING

Please include the following specifications when ordering an Ex-Cover Rectangular:

Sizes ⁽³⁾	18" x 24"	67349520-S
	24" x 24"	67311220-S
	18" x 30"	67379220-S
	18" x 35"	67394920-S
	24" x 36" ^(st)	67311820-S
	24" x 44"	67313220-S
	24" x 48" ⁽⁴⁾	67310820-S
	36" x 36" ^(st)	67312820-S
	36" x 44" ^(st)	67392520-S
	38" x 46" ^(st)	67302620-S
	44" x 44"	67313620-S
	500x500 ⁽⁴⁾	67301020-S
	470x570 ^(st)	67371020-S
	500x600	67302020-S
	500x700	67303020-S
	625x625 ^(st)	67343020-S
	500x800	67304020-S
	500x900	67305020-S
	500x1000 ^(st)	67306020-S
	566x900 ^(st)	67330020-S
	600x1000	67307020-S
	625x1110 ^(st)	67340020-S
	700x1000	67308020-S
	800x1000	67309020-S
	900x900 ^(st)	67331020-S
	900x1000	67310020-S
	1000x1000 ^(st)	67311020-S
	1110x1110 ^(st)	67341020-S

3) When the explosion vent under the Ex-Cover is equipped with an EM-BI-II, contact Fike before ordering.

4) Size is not ATEX approved.

St) To accommodate delivery demands of the market, a number of Ex-Covers have been selected which are produced for stock. These Ex-Covers do not accommodate for a VV-S panel.