

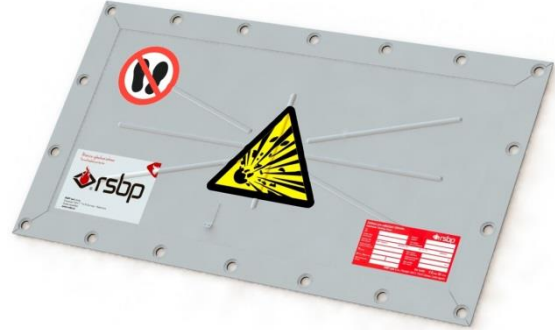


# Fire and explosion protection

## VMP (type F)

VMP are designed to protect technological systems in which there is a risk of explosion. Under normal operating conditions, the escape hole of the device covered by a VMP-F. When the operating pressure level is exceeded inside the device, VMP-F are opened on the housing to relieve pressure from the exposed area. The technological device is thus subjected to a pressure lower than its resistance to pressure and therefore does not destroy it.

This datasheet describes the technical parameters of VMP-F. These VMP have a single-layer and flat structure. Installation of VMP-F without top frame. They are produced in rectangular design only. VMP are designed and testing in accordance with EN 14 797 and European Directive 2014/34 / EU.



DATA SHEET

EXPLOSION VENTING DEVICE CLASSIFICATION	
Device group	II.
Explosive ambience	D
Device category	1D
Operating temperature	40 to 100°C
Storage temperature	10 to 40°C

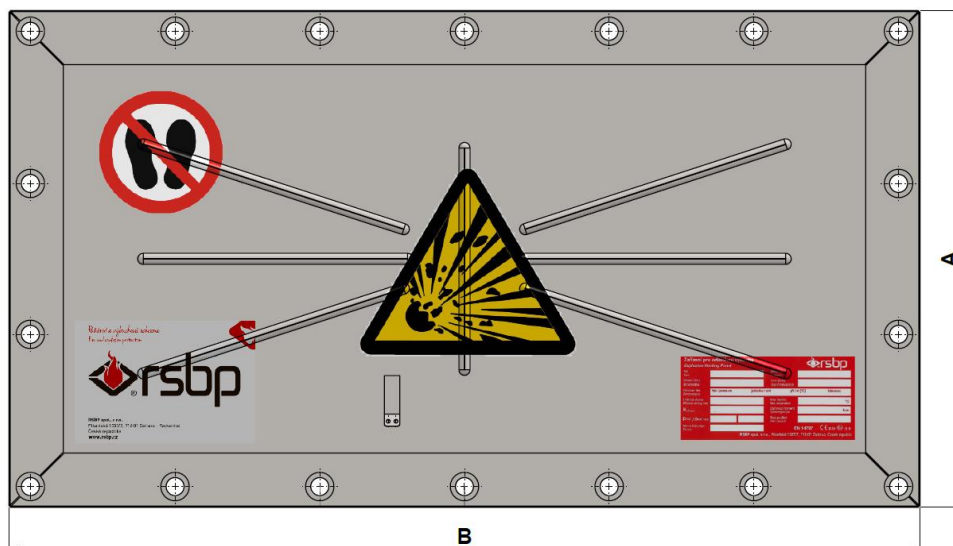
MATERIAL DESIGN	
Explosion vents	Carbon steel with an anti-corrosion coating
Explosion vent seals	EPDM

OPTIONAL ACCESSORIES	
Explosion vent opening indicator	Stainless steel slice with cable
Intrinsically Safe Relay	It creates an interface between a safe and a dangerous zone
Isolation	Armaflex HT
Bolting materials	Screws ISO 4017 – 8.8, Nut ISO 4070, Washers ISO 7090 (all in galvanized or stainless steel version)
Bottom flange	Stainless steel or carbon steel with an anti-corrosion coating





## DIMENSIONAL SCHEME



DATASHEET

Type	Ecsape area [m <sup>2</sup> ]	Density [kg/m <sup>2</sup> ]	A [mm]	B [mm]	Number of screws [ks]	Type of screws [ISO 4017]	Type of nuts [ISO 7040]	Type of washers [ISO 7090]	Tightening torque [N.m <sup>-1</sup> ]
229x229	0,05	3,16	310	310	12	M8x35	M8	8	15
260x260	0,07		337	337	12				
220x540	0,12		4,74	308	628	18	M10x35	M10	10
305x457	0,14	390		541	18				
410x410	0,17	490		490	12	M8x35	M8	8	15
630x310	0,19	385		705	18	M10x35	M10	10	21
490x590	0,28	6,32	573	673	26	M10x35	M10	10	21
600x600	0,35		650	650	16				
450x800	0,36		550	900	22	M10x35	M10	10	21
586x920	0,53		670	1005	34				
800x800	0,62		855	855	20	M8x35	M8	8	15
920x920	0,83		1005	1005	40	M10x35	M10	10	21
915x1118	1,02		1007	1210	42				
1020x1020	1,04	1110	1110	40					
1000x2000	2,00	7,9	1090	2090	58				

