

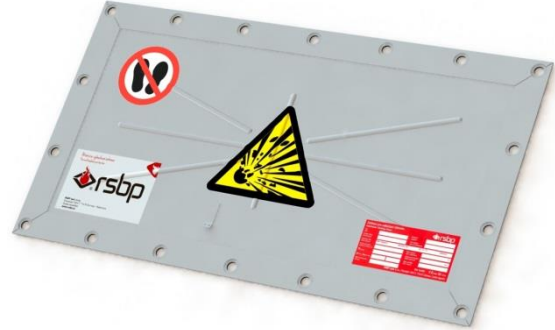


Fire and explosion protection

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

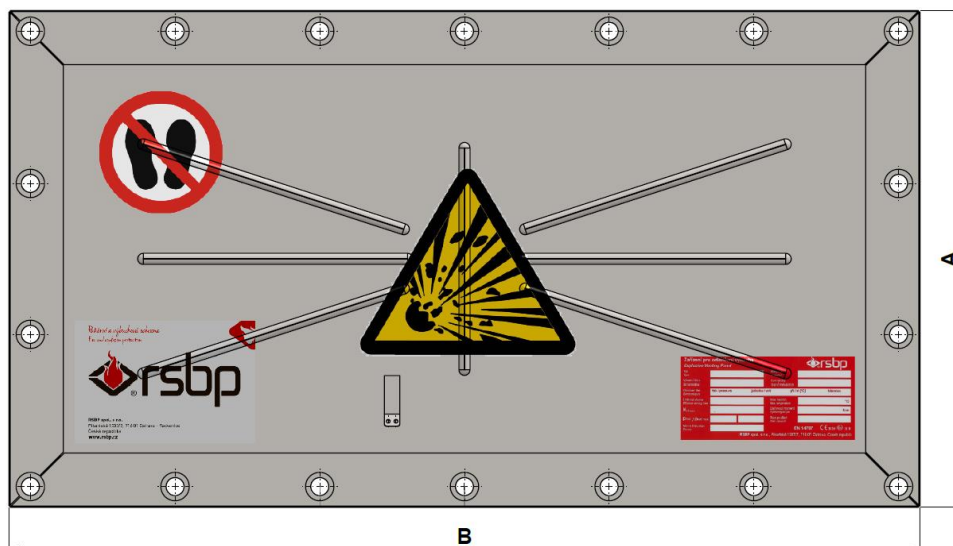
MATERIAL DESIGN	
Explosion vents	Carbon steel with an anti-corrosion coating
Explosion vent seals	EPDM

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 ²]	Density [kg/m ²]	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 ⁻¹]	
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	21
305x457	0,14			390	541	18				
410x410	0,17	6,32	490	490	12	M8x35	M8	8	15	
630x310	0,19		385	705	18	M10x35	M10	10	21	
490x590	0,28		573	673	26					
600x600	0,35		650	650	16	M8x35	M8	8	15	
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					

