



## VMP (type D)

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. When the operating pressure level is exceeded inside the device, VMP 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 (type D). These VMP have a convex single-layer construction. They are produced in rectangular design only. VMP are designed and testing in accordance with EN 14 797 and European Directive 2014/34 / EU.



### 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

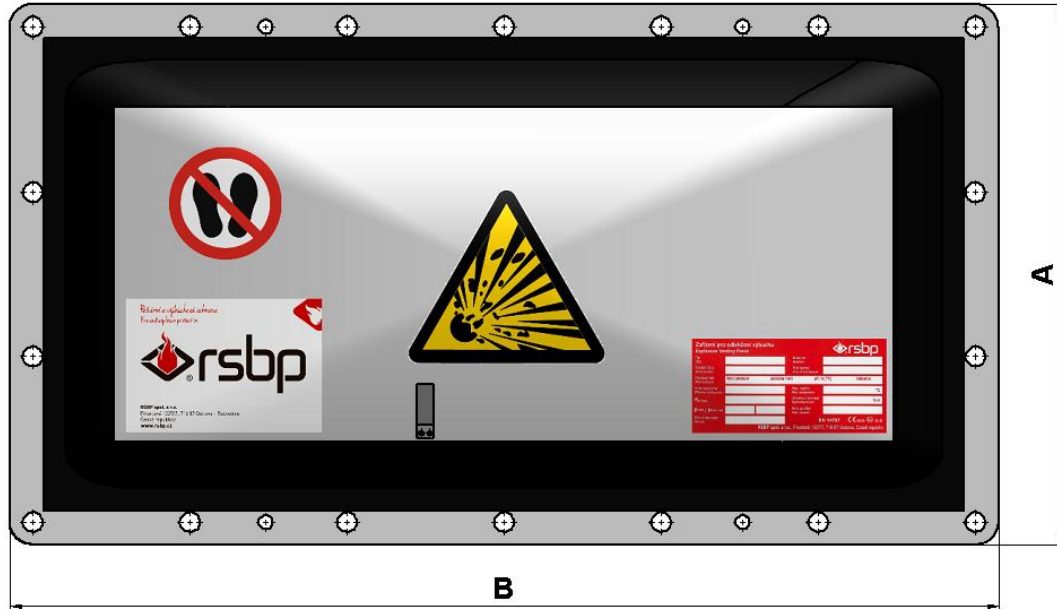
Explosion vents	Stainless steel or carbon steel with an anti-corrosion coating
Explosion vent seals	EPDM

### 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
Flange gaskets	EPDM, SILIKON, TEMASIL
Isolation	Armaflex HT
Bolting materials	Screws ISO 4017 – 8.8, Nut ISO 4070, Washers ISO 7090 (all in galvanized or stainless steel version)
Flange	Stainless steel or carbon steel with an anti-corrosion coating



## DIMENSIONAL SCHEME



# DATA SHEET

Type	Escape 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	309	309	12	M10x35	M10	10	21
260x260	0,06	3,16	340	340	12				
150x600	0,08	4,74	220	670	20				
220x540	0,11	3,16	300	620	18				
305x457	0,12	4,74	375	527	18				
610x290	0,16	4,74	365	685	18				
630x310	0,18	4,74	385	705	18				
490x590	0,27	4,74	565	665	26				
2x610x290	0,32	4,74	385	1385	34				
450x800	0,34	4,74	530	880	22				
2x630x310	0,35	4,74	385	1385	34				
586x920	0,51	6,32	661	995	34				
920x920	0,81	6,32	995	995	40				
1020x1020	1,00	6,32	1095	1095	40				
915x1118	0,98	6,32	990	1193	42				

