



Fire and explosion protection

VMP (type SU)

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 SU). These VMP have a convex three-layered construction and high vacuum resistance. They are produced in circular and rectangular design. VMP are designed and testing in accordance with EN 14 797 and European Directive 2014/34 / EU.

DATASHEET

EXPLOSION VENTS CLASSIFICATION	
Device group	II.
Explosive ambience	D
Device category	1D
Operating temperature	-40 to 240°C
Storage temperature	10 to 40°C

MATERIAL DESIGN	
Explosion vents	Stainless steel or carbon steel with an anti-corrosion coating
Explosion vents seals	PTFE

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

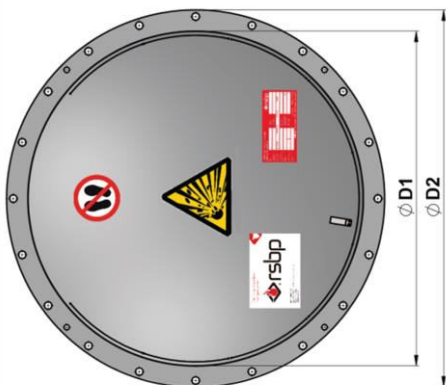




DIMENSIONAL PARAMETERS OF CIRCULAR MEMBRANES OF TYPE SU

Type	Density [kg/m ²]	Escape area [m ²]	D1 [mm]	D2 [mm]	Number of screws [ks]	Type of screws [ISO 4017]	Type of nut [ISO 7040]	Type of washers [ISO 7090]	Tightening torque [N.m-1]
250	9,48	0,05	265	345	12	M8x30	M8	8	15
300	9,48	0,06	315	375	12				
350	11,17	0,07	340	420	12				
400	12,75	0,10	390	475	16	M10x35			
450	12,75	0,13	445	525	12				
510	14,33	0,16	505	585	20				
600	14,33	0,24	595	675	20				
630	12,75	0,27	625	705	20		M10	10	21
750	15,91	0,41	765	845	28				
800	15,91	0,47	815	895	24				
880	15,52	0,53	875	955	24	M10x40			
900	14,33	0,57	895	995	32				
1000	15,91	0,72	995	1095	36				
1100	14,33	0,87	1095	1195	40				

Dimensional scheme



DIMENSIONAL PARAMETERS OF RECTANGULAR MEMBRANES OF TYPE SU

Type	Density [kg/m ²]	Escape area [m ²]	A [mm]	B [mm]	Number of screws [ks]	Type of screws [ISO 4017]	Type of nut [ISO 7040]	Type of washers [ISO 7090]	Tightening torque [N.m-1]
229x229	9,48	0,04	309	309	12				
260x260	9,48	0,05	340	340	12				
220x540	11,06	0,10	300	620	18				
305x457	13,02	0,11	375	527	18				
610x290	13,97	0,14	365	685	18				
630x310	13,43	0,16	385	705	18				
490x590	14,33	0,24	565	665	26				
450x800	14,33	0,32	530	880	22				
2x630x310	13,43	0,35	385	1385	34				
586x920	14,33	0,48	661	995	34				
920x920	14,33	0,78	995	995	40				
915x1118	15,91	0,95	990	1193	42				
1020x1020	15,91	0,96	1095	1095	40		M10x35	10	21

Dimensional scheme

