## Fire and explosion protection

## **EXPLOSION DOOR (PUSM AxB - M / OTR50)**

Explosion door 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 PUSM. When the operating pressure level is exceeded inside the device, PUSM are opened on the housing to relieve pressure from the exposed area. The technological device is this subjected to a pressure lower than its resistance to pressure and therefore does not destroy it.



This datasheet describes the technical parameters of PUSM (type M). These PUSM are designed so that permanent magnets are placed along their circumference and the explosion vent is held in the closed position by means of these magnets. The overpressure created under the explosion vent overcomes the magnet's force until the explosion door is released. The explosion door is held when the chains are opened. They are produced in rectangular design only. Explosion door 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	
Dust class	St2	
Operating temperature	40 to 70°C (short term to 80°C)	
Storage temperature	10 to 40°C	

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

OPTIONAL ACCESSORIES		
Flange gaskets	EPDM	
Bolting materials	Screws ISO 4017 – 8.8, Nut ISO 4070, Washers ISO 7090 (all in galvanized finish)	
Installation Flange	Carbon steel	





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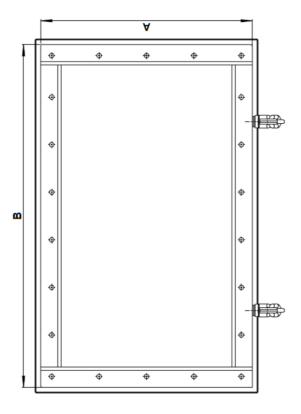


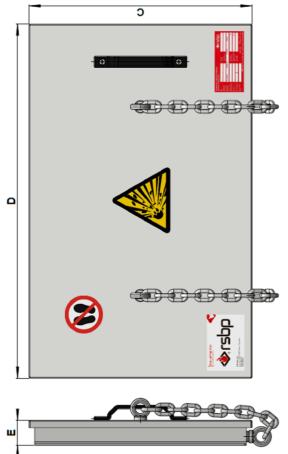
## **JATASHEET**











Type of washers [ISO 7090]		10	
Type of nuts [ISO 7040]	M10		
Type of screws [ISO 4017]	M10x35		
Number of screws [ks]	22	18	28
[mm]	71	71	71
D [mm]	940	740	1420
C [mm]	290	420	420
B [mm]	910	710	1390
A [mm]	260	390	390
Pstat,max [KPa]	2	5	2
Escape area [m²]	0,36	0,18	0,36
Density [kg/m²]	26	28	28
Туре	450x800	282x637	2x282x637

2

**BASIC DIMENSIOS**