

## ANTI-EXPLOSION PANELS EXPLOSION VENT/BURSTING PANEL CERTIFIED

CE 1370 EUM1 11 ATEX 0592  II GD



The anti explosion panels at predetermined breaking, certified with the EN14797 norm, are safety devices against the overpressure in the storage's equipments or transport of inflammable materials.

The anti explosion panels are the solution to avoid the damages to people and things against the explosion pressure relief in box, silos or closed volume with dusts, liquids, fogs and gas explosion. They are safety elements not reusable and don't release fragmentations of their structure in case of explosion with purpose to avoid direct damages to people and things.

With overpressure's explosion, panels open in the predetermined points and they allow the exit of the pressure through the complete surface of the opened panel.

The range of panels PA, built in AISI 316L, is developed in the following models that can be employed in vessel or closed volume in pressure or depression thanks to a steel support inside (grill). An external flange assures a correct closing of the panel itself to the structure where is fixed and an inside gasket eliminates the discharge of air in the environment by predetermined cuts on panels.

An inductive break sensor can also be applied afterwards and it allows the complete control pf the panels: in case of breakage, it sends a signal that allows an easy replacement intervention. The sensor and the sensor support are reusable unless the damage is destructive.

P max= 9 bar  
Kst max= 900 [bar m / sec]  
Ef Kst Class:1 95%  
                  2 90%  
                  3 80%

#### ACCESSORIES ON DEMAND:

Siliconcell gasket  
SENSPA = breaking inductive sensor 12/30Vdc - 200 mA  
SENSPAQ = breaking inductive sensor Atex II 1GD Ex Vmax 15V.

Model	External dim. (mm)	Internal dim. (mm)	Unloading surface m <sup>2</sup>	Breaking pressure (bar)	Max. depression bar / (mm H <sub>2</sub> O)
PA 3470	340x700	284x643	0,170 * 0,160	0,1	0,150 / 1530
PA 4646	460x460	404x404	0,155 * 0,147	0,1	0,150 / 1530
PA 5177	510x770	454x712	0,300 * 0,290	0,1	0,150 / 1530
PA 5197	510x970	454x912	0,400 * 0,389	0,1	0,150 / 1530
PA 5570	550x700	494x643	0,300 * 0,290	0,1	0,150 / 1530
PA3138	310x385	230x305	0,068 -	0,2	0,370 / 3774
PA5767	570x670	490x590	0,285 * 0,270	0,1	0,150 / 1530
PA6969	690x690	610x610	0,380 * 0,345	0,1	0,150 / 1530
PA8888	880x880	800x800	0,830 * 0,615	0,1	0,150 / 1530
PA10067	1000x666	920x586	0,530 * 0,515	0,1	0,150 / 1530
PA100100	1000x1000	920x920	0,840 * 0,815	0,1	0,150 / 1530