

# ANTI EXPLOSION PANELS

CE 2049 EUM1 11 ATEX 0592  $\text{Ex}$  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 on inflammables materials.

The anti explosion panels at predetermined tensile stress 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.

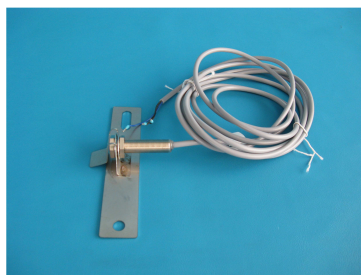
They are safety elements not reusable and don't release fragmentations of their structure in case of explosion with purpose to avoid direct damages to people and things. With overpressure's explosion, the panels open in the predetermined points and they allow the exit of the pressure through the complete surface of the open panel.

The range of panels PA, built in AISI 316L, is develop in the followings models that can be employed in vessel or closed volume in pressure or depression with steel support.

An external flange assures a correct closing of the same panel to the structure where is fixed and an inside gasket eliminates the discharge of air in the environment by predetermined cuts on panels.



Breaking signal sensor  
standard / ATEX



| Model    | External dim.<br>mm | Internal dim.<br>mm | Unloading's surface m <sup>2</sup> |         | Breaking<br>pressure |
|----------|---------------------|---------------------|------------------------------------|---------|----------------------|
| PA 3470  | 340X700             | 284x643             | 0,170                              | * 0,160 | 0,1 bar              |
| PA 4646  | 460X460             | 404x404             | 0,155                              | * 0,147 | 0,1 bar              |
| PA 5177  | 510X770             | 454x712             | 0,300                              | * 0,290 | 0,1 bar              |
| PA 5197  | 510X970             | 454x912             | 0,400                              | * 0,389 | 0,1 bar              |
| PA 5570  | 550X700             | 494x643             | 0,300                              | * 0,290 | 0,1 bar              |
| PA3138   | 310X385             | 230X305             | 0,068                              | -       | 0,2 bar              |
| PA5767   | 570X670             | 490X590             | 0,285                              | * 0,270 | 0,1 bar              |
| PA6969   | 690X690             | 610X610             | 0,360                              | * 0,345 | 0,1 bar              |
| PA8888   | 880X880             | 800X800             | 0,630                              | * 0,615 | 0,1 bar              |
| PA10067  | 1000X666            | 920X586             | 0,530                              | * 0,515 | 0,1 bar              |
| PA100100 | 1000X1000           | 920X920             | 0,840                              | * 0,815 | 0,1 bar              |

\* griglia interna per depressione