



TECHNICAL DATASHEET

PS R vent panels

DonadonSDD PS/R rectangular vent panels are composite tension panels composed of three parts:

- a calibrated metal part
- a seal membrane (usually in PTFE)
- a metal protection section

Vacuum supports are also available.

Explosion vent panels are suitable for use with gas and/or dust in static, pulsating and cyclic conditions. They usually have very low vent pressures (standard 0.1 bar g). Panels are mainly fitted to dust manifolds, dryers, troughs, silos, separators, mixers, boosters, air purifiers, sieves and filters.

They can be fitted between welded frames or non-machined profiles in carbon or stainless steel. Machined frames or expensive containers are not necessary.

Panels can be supplied in ATEX (PS/EX) execution and EX II GD and EX II D certified. They can therefore be installed in locations with presence of explosive atmospheres (zones classified as category 0, 20, 1, 21, 2, and 20 according to European Directive ATEX 2014/34/UE).

TECHNICAL DATA

MODEL	PS/R
MATERIALS	Stainless steel
SEAL MEMBRANE	PTFE
DIMENSIONS	Min 365x645 - Max 920x920
RUPTURE PRESSURE	0.1 bar g
TOLERANCE	from +/- 10 % to +/- 20%
OPERATING TEMPERATURE	Up to 260°C
OPERATING MARGIN	50%-70%
VACUUM SUPPORT	Available
FRAGMENTATION	No (membrane only)
CORROSION RESISTANCE	Good - can be protected with a PTFE membrane
RUPTURE INDICATORS	Electrical , Inductive
LININGS	Yes

PERFORMANCE ATTRIBUTES

Operation Ratio

50% - 70%

Non Fragmenting

yes (membrane only)

Vacuum Resistant

yes, Vacuum Support Available

Sanitary

no

PROCESS MEDIA

CERTIFICATIONS

