



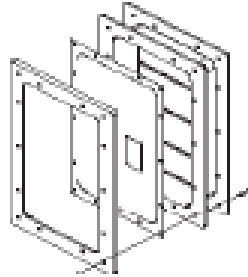
Explosion Vent Panels

TECHNOLOGY · INNOVATION · QUALITY · VALUE

Explosion Vent Panels



ATEX APPROVED
Ex II GD Ta - 15 to +60°C



BRP Flat Panels

APPLICATION

The 4B Explosion Vent Panels open quickly at a predetermined pressure, controlling any excessive pressure of flames, and containing fragments towards a safe area in the event of an explosion.

CHARACTERISTICS

▶ Three Types of Panel available depending on application:

- BRP Flat
- BRS Reinforced
- BRD Domed

▶ Simple Installation

▶ Do not fragment in the case of an explosion

▶ The range complies with the ATEX directive 94/9/CE

▶ Bursting Pressures from 50 mbar to 500 mbar available, standard panel supplied at 100 mbar

▶ Maximum working pressure: 40% or 60% of bursting pressure

▶ Maximum working temperature: -15°C to +60°C
For other sizes and/or working temperatures please contact 4B

▶ Each series has been tested to the norm EN 14.797



BRS Panels



BRD Domed Panel

OPTIONS

- External Flange
- Internal secure flange
- Explosion detector ATEX zone 20 or 1 IIB T4
- Flame Catcher



Flame Catcher

Detailed specifications, wiring diagrams and installation/operating manuals available on request



BRAIME Explosion Vent Panels

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Explosion Panel Type BRP

304 Stainless Steel
 Available with flange
 Explosion Pressure at 20°C : 100mbar +/- 25%
 Working Pressure: 40% of Bursting Pressure
 Certification: CE and ATEX Ex II GD Ta -20 to +60°C



Code	Type	Size	Venting Area
BRP550x150	Flat Rectangular	550 x 150 mm	441 cm ²
BRP550x250*	Flat Rectangular	550 x 250 mm	799 cm²
BRP550x350*	Flat Rectangular	550 x 350 mm	1269 cm²
BRP570X305	Flat Rectangular	570 x 305 mm	1102 cm ²
BRP570X570	Flat Rectangular	570 x 570 mm	2401 cm ²
BRP610X300	Flat Rectangular	610 x 300 mm	1166 cm ²
BRP690x425*	Flat Rectangular	690 x 425 mm	2105 cm²
BRP890X460	Flat Rectangular	890 x 460 mm	3078 cm ²
BRP910X610	Flat Rectangular	910 x 610 mm	4399 cm ²
BRP990x660*	Flat Rectangular	990 x 660 mm	5278 cm²
BRP990X990	Flat Rectangular	1000 x 665 mm	8100 cm ²
BRP1100X1100	Flat Rectangular	1100 x 1100 mm	10404 cm ²
BRP1220x735*	Flat Rectangular	1220 x 735 mm	7467 cm²
BRP1220x1220	Flat Rectangular	1220 x 1220 mm	12996 cm ²
BRP1492x450	Flat Rectangular	1492 x 450 mm	5217 cm ²

Explosion Panel Type BRD

304 Stainless Steel
 Available with Flange
 Bursting Pressure at 20°C : 100mbar +/- 15%
 Working Pressure: 60% of Bursting Pressure
 Certification: CE & ATEX Ex II D Ta -20 to +60°C



Code	Type	Size	Venting Area
BRD305X457A	Domed	385 x 537 mm	1200 cm ²
BRD490X590	Domed	570 x 670 mm	2700 cm ²
BRD450X800	Domed	535 x 885 mm	3400 cm ²
BRD586X920	Domed	660 x 1000 mm	5100 cm ²



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Explosion Panel Type BRS

304 Stainless Steel
 Available with Flange
 Bursting Pressure at 20°C : 100mbar +/- 25%
 Working Pressure: 40% of Bursting Pressure
 Certification: CE & ATEX Ex II GD Ta -20 to +60°C



Code	Type	Size	Venting Area
BRS550x150	Reinforced	550 x 150 mm	441 cm ²
BRS550x250*	Reinforced	550 x 250 mm	799 cm²
BRS550x350*	Reinforced	550 x 350 mm	1269 cm²
BRS570X305	Reinforced	570 x 305 mm	1102 cm ²
BRS570X570	Reinforced	570 x 570 mm	2401 cm ²
BRS610X300	Reinforced	610 x 300 mm	1166 cm ²
BRS690x425*	Reinforced	690 x 425 mm	2105 cm²
BRS890X460	Reinforced	890 x 460 mm	3078 cm ²
BRS910X610	Reinforced	910 x 610 mm	4399 cm ²
BRS990x660*	Reinforced	990 x 660 mm	5278 cm²
BRS990X990	Reinforced	1000 x 665 mm	8100 cm ²
BRS1100X1100	Reinforced	1100 x 1100 mm	10404 cm ²
BRS1220x735*	Reinforced	1220 x 735 mm	7467 cm²
BRS1220x1220	Reinforced	1220 x 1220 mm	12996 cm ²
BRS1492x450	Reinforced	1492 x 450 mm	5217 cm ²

* stock items Panels can be used with Flame Catcher

Other dimensions possible on request

Flame Catchers			
Code	For Panel	Size	Effective Vacum Area
FC550250AT0,5	BR-550X250	652 x 352 x 410 mm	559 cm ²
FC550350AT0,5	BR-550X350	652 x 452 x 510 mm	888 cm ²
FC690425AT0,5	BR-690x425	792 x 527 X 585 mm	1 473 cm ²
FC990660AT0,5	BR-990x660	1092 x 762 x 820 mm	3 695 cm ²
FC305457AT0,5	VMP305x457	407 x 559 x 465 mm	840 cm ²
FC450800AT0,5	VMP450x800	552 x 902 X 610 mm	2 380 cm ²