



+91 98245 96 294, 95585 79031

info@thepitech.com

thepitech4u@gmail.com

www.thepitech.com



EXPLOSION VENTS

Our Explosion vents are designed to provide non-fragmented opening with maximum venting area.



Features:

- Non-fragmented design
- Narrow range of opening
- Fail-safe design, opens at or below rated pressure even if damaged
- High venting efficiency
- Replaceable with existing round vents
- Fully compliance with ATEX/NFPA68
- All models are tested after design

Specifications:

| | |
|----------------------------|---|
| Compliance | ATEX, NFPA 68 |
| Fail-safe design | Opens at or below rated pressure, even if damaged |
| Material of construction | SS 316 / PTFE /SS 316 |
| Burst pressure | 0.1 bars to 0.5 bars |
| Maximum Operating pressure | 60% of rated burst pressure |
| Vacuum rating | 0.1 bars * |
| Burst Pressure tolerance | ±25% from rated burst pressure |
| Operating temperature | -40 to 200 ^o C |

* Higher vacuum rating available on request





+91 98245 96 294, 95585 79031

info@thepitech.com

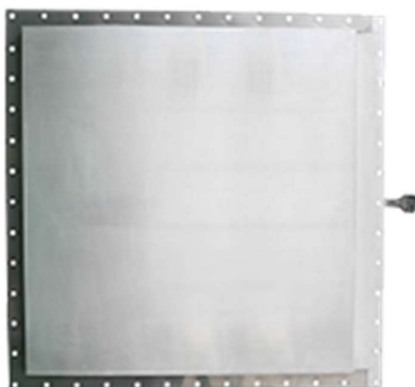
thepitech4u@gmail.com

www.thepitech.com



Rectangular Vent

| Internal Size | | External Size | Relief Area | |
|---------------|-------------|---------------|----------------|-----------------|
| mm | Inches | mm | m ² | ft ² |
| 150 x 200 | 5.9 x 7.9 | 214 x 264 | 0.0239 | 0.26 |
| 150 x 250 | 5.9 x 9.8 | 214 x 314 | 0.0302 | 0.33 |
| 150 x 300 | 5.9 x 11.8 | 214 x 364 | 0.0365 | 0.39 |
| 200 x 200 | 7.9 x 7.9 | 264 x 264 | 0.0325 | 0.35 |
| 200 x 300 | 7.9 x 11.8 | 264 x 364 | 0.0496 | 0.53 |
| 250 x 250 | 9.8 x 9.8 | 314 x 314 | 0.0510 | 0.55 |
| 250 x 300 | 9.8 x 11.8 | 314 x 364 | 0.0617 | 0.66 |
| 250 x 400 | 9.8 x 15.7 | 314 x 464 | 0.0831 | 0.89 |
| 300 x 300 | 11.8 x 11.8 | 364 x 364 | 0.0746 | 0.80 |
| 300 x 400 | 11.8 x 15.7 | 364 x 464 | 0.1006 | 1.08 |
| 300 x 500 | 11.8 x 19.7 | 364 x 564 | 0.1265 | 1.36 |
| 400 x 400 | 15.7 x 15.7 | 464 x 464 | 0.1334 | 1.44 |
| 400 x 500 | 15.7 x 19.7 | 464 x 564 | 0.1681 | 1.81 |
| 400 x 600 | 15.7 x 23.6 | 464 x 664 | 0.2027 | 2.18 |
| 500 x 500 | 19.7 x 19.7 | 580 x 580 | 0.2117 | 2.28 |
| 500 x 600 | 19.7 x 23.6 | 580 x 680 | 0.2554 | 2.75 |
| 500 x 750 | 19.7 x 29.5 | 580 x 830 | 0.3208 | 3.45 |
| 600 x 600 | 23.6 x 23.6 | 680 x 680 | 0.3080 | 3.32 |
| 600 x 750 | 23.6 x 29.5 | 680 x 830 | 0.3870 | 4.17 |
| 600 x 900 | 23.6 x 35.4 | 680 x 980 | 0.4660 | 5.02 |
| 750 x 750 | 29.5 x 29.5 | 830 x 830 | 0.4796 | 5.16 |
| 750 x 900 | 29.5 x 35.4 | 830 x 1000 | 0.5782 | 6.22 |
| 750 x 1000 | 29.5 x 39.4 | 850 x 1100 | 0.6439 | 6.93 |
| 900 x 900 | 35.4 x 35.4 | 1000 x 1000 | 0.6970 | 7.50 |
| 900 x 1200 | 35.4 x 47.2 | 1000 x 1300 | 0.9346 | 10.06 |
| 1000 x 1000 | 39.4 x 39.4 | 1100 x 1100 | 0.8644 | 9.30 |
| 1000 x 1200 | 39.4 x 47.2 | 1100 x 1300 | 1.0408 | 11.20 |





+91 98245 96 294, 95585 79031

info@thepitech.com

thepitech4u@gmail.com

www.thepitech.com

PI TECHNOLOGY

ENGINEERING CONSULTANCY



Round Vent

| Internal Dimensions | | External Dimensions | | No of Holes | Vent Area | |
|---------------------|----|---------------------|------|-------------|-----------|------|
| mm | in | mm | PCD | | m2 | ft2 |
| 150 | 6 | 214 | 182 | 6 | 0.015 | 0.16 |
| 200 | 8 | 264 | 232 | 8 | 0.027 | 0.29 |
| 250 | 10 | 314 | 282 | 10 | 0.043 | 0.46 |
| 300 | 12 | 364 | 332 | 12 | 0.062 | 0.66 |
| 350 | 14 | 414 | 382 | 12 | 0.085 | 0.91 |
| 400 | 16 | 472 | 436 | 14 | 0.112 | 1.21 |
| 450 | 18 | 522 | 486 | 16 | 0.143 | 1.54 |
| 500 | 20 | 572 | 536 | 18 | 0.177 | 1.91 |
| 600 | 24 | 672 | 636 | 20 | 0.255 | 2.75 |
| 700 | 28 | 790 | 745 | 24 | 0.350 | 3.77 |
| 750 | 30 | 840 | 795 | 26 | 0.403 | 4.34 |
| 800 | 32 | 890 | 845 | 28 | 0.460 | 4.95 |
| 900 | 36 | 990 | 945 | 30 | 0.578 | 6.22 |
| 1000 | 40 | 1090 | 1045 | 34 | 0.717 | 7.71 |
| 1100 | 44 | 1200 | 1150 | 36 | 0.862 | 9.28 |

