

EB Explosion vents

Technical Information

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Multi-layered vents (XSF/XRF; XSD/XRD)

General specifications

All figures apply to both flat (XSF/XRF) and domed (XSD/XRD) vents unless otherwise specified.

Size range	Internal dimensions (mm): 180x140 to 1000x1000 External dimensions (mm): 260x220 to 1080x1080
Vent area	0.02 m ² to 1.25 m ² (0.22 ft ² to 13.46 ft ²)
Burst pressure range	0.05 barg to 0.49 barg
Standard burst pressure offering	0.05 barg to 0.1 barg @ 15/30°C**
Temperature range	-40°C to 200°C as standard*
Operating ratio	Flat: 60% Domed: 80%
Performance tolerance	+/- 25%
Level of vacuum capability	Flat: Limited Domed: Up to full vacuum
Torque dependent	No
Vent-Tel Detection	Optional
Optional accessories	Frame, Gasket
Shapes available	Flat: Square, Rectangle, Round, Trapezoid Domed: Square, Rectangle, Round
Materials available	Stainless steel as standard

*Higher temperatures available on request

**Other standard burst pressures available on request

EB Explosion vents

Technical Information

Multi-layered vents (XSF/XRF; XSD/XRD)

Dimensions

Please contact us to ask for the schematics of the size you need.

Internal dimensions (mm)	External dimensions (mm)	Vent area (m ²)
180x140	260 x 220	0.02
305 X 299	385 x 379	0.09
395 x 240	455 x 300	0.09
395 x 395	455 x 455	0.15
410 x 410	490 x 490	0.16
420 x 420	500 x 500	0.17
440 x 340	520 x 420	0.14
457 X 305	537 x 385	0.13
490 x 490	570 x 570	0.23
590 x 490	670 x 570	0.28
610 x 247	690 x 327	0.14
610 x 305	690 x 385	0.18
610 x 458	690 x 530	0.27
610 x 470	690 x 550	0.28
610 x 510	690 x 590	0.30
610 x 610	690 x 690	0.36
620 X 390	700 x 470	0.23
645 x 645	725 x 725	0.40
653 x 653	733 x 733	0.41
655 X 375	735 x 455	0.24
655 x 655	735 x 735	0.42
668 x 525	748 x 605	0.35
670 x 670	750 x 750	0.44
762 x 457	842 x 530	0.34
762 x 610	842 x 690	0.45
770 x 770	850 x 850	0.58
890 x 457	970 x 537	0.39
914 x 610	994 x 690	0.54
920 x 586	1000 x 666	0.52
920 x 920	1000 x 1000	0.83
1000 x 1000	1080 x 1080	0.98
1004 x 629	1084 x 709	0.62
1020 x 1020	1100 x 1100	1.02
1020 x 520	1100 x 600	0.52
1118 x 610	1198 x 690	0.67
1118 x 915	1198 x 995	1.00
1130 x 1130	1210 x 1210	1.25
1140 x 655	1220 x 735	0.72

EB Explosion vents

Technical Information

Single-skinned Vents (VNT SSF/SSD)

General specifications

All figures apply to both flat (SSF) and domed (SSD) vents unless otherwise specified.

Size range	Internal dimensions (mm): 305x299 – 1140x655 External dimensions (mm): 385x379 – 1220x735
Vent area	0.09 m ² to 1.25 m ² (0.97 ft ² to 13.46 ft ²)
Burst pressure range	0.05 barg to 0.49 barg
Standard burst pressure offering	0.1 barg @ 15/30°C**
Temperature range	-40°C – 80°C as standard*
Operating ratio	Flat: 50% Domed: 70%
Performance tolerance	+/- 25%
Level of vacuum capability	Flat: Limited Domed: Up to 75% of minimum burst pressure
Torque dependent	No
Vent-Tel Detection	Optional
Optional accessories	Frame, Gasket
Shapes available	Square, Rectangle
Materials available	Stainless steel as standard

*Higher temperatures available on request

**Other standard burst pressures available on request

EB Explosion vents

Technical Information

Single-skinned Vents (VNT SSF/SSD)

Dimensions

Please contact us to ask for the schematics of the size you need.

Internal dimensions (mm)	External dimensions (mm)	Vent area (m ²)
305 x 299	385 x 379	0.09
395 x 240	455 x 300	0.09
410 x 410	490 x 490	0.16
440 x 340	520 x 420	0.14
457 X 305	537 x 385	0.13
490 x 490	570 x 570	0.23
590 x 490	670 x 570	0.28
610 x 247	690 x 327	0.14
610 x 305	690 x 385	0.18
610 x 458	690 x 530	0.27
610 x 470	690 x 550	0.28
610 x 510	690 x 590	0.30
610 x 610	690 x 690	0.36
620 X 390	700 x 470	0.23
645 x 645	725 x 725	0.40
653 x 653	733 x 733	0.41
655 X 375	735 x 455	0.24
655 x 655	735 x 735	0.42
668 x 525	748 x 605	0.35
762 x 457	842 x 530	0.34
762 x 610	842 x 690	0.45
770 x 770	850 x 850	0.58
890 x 457	970 x 537	0.39
914 x 610	994 x 690	0.54
920 x 586	1000 x 666	0.52
920 x 920	1000 x 1000	0.83
1000 x 1000	1080 x 1080	0.98
1004 x 629	1084 x 709	0.62
1020 x 1020	1100 x 1100	1.02
1020 x 520	1100 x 600	0.52
1118 x 610	1198 x 690	0.67
1118 x 915	1198 x 995	1.00
1130 x 1130	1210 x 1210	1.25
1140 x 655	1220 x 735	0.72

EB Explosion vents

Technical Information

Hygienic explosion vent (XRF-HYG)

General specifications

Size range	Internal dimensions (mm): 180x140 to 1140x655 External dimensions (mm): 260x220 to 1220 x 735
Vent area	Rectangle: 0.02m ² to 1.25m ² (0.22ft ² to 13.46ft ²)
Burst pressure range	0.05 barg to 0.49 barg
Standard burst pressure offering	0.1 barg @ 15/30°C
Temperature range	Specific to panel design
Operating ratio	Specific to panel design
Performance tolerance	+/- 25%
Level of vacuum capability	Specific to panel design
Torque dependent	No
Vent-Tel Detection	Optional
Accessories	Frame, Gasket
Shapes available	Rectangle, Square
Materials available	Stainless steel as standard

EB Explosion vents

Technical Information

Hygienic explosion vent (XRF-HYG)

Dimensions

Please contact us to ask for the schematics of the size you need.

Internal dimensions (mm)	External dimensions (mm)	Vent area (m ²)
180 x 140	260 x 220	0.02
305 X 299	385 x 379	0.09
395 x 240	455 x 300	0.09
395 x 395	455 x 455	0.15
410 x 410	490 x 490	0.16
420 x 420	500 x 500	0.17
440 x 340	520 x 420	0.14
457 X 305	537 x 385	0.13
490 x 490	570 x 570	0.23
590 x 490	670 x 570	0.28
610 x 247	690 x 327	0.14
610 x 305	690 x 385	0.18
610 x 458	690 x 538	0.27
610 x 470	690 x 550	0.28
610 x 510	690 x 590	0.30
610 x 610	690 x 690	0.36
620 X 390	700 x 470	0.23
645 x 645	725 x 725	0.40
653 x 653	733 x 733	0.41
655 X 375	735 x 455	0.24
655 x 655	735 x 735	0.42
668 x 525	748 x 605	0.35
670 x 670	750 x 750	0.44
762 x 457	842 x 537	0.34
762 x 610	842 x 690	0.45
770 x 770	850 x 850	0.58
890 x 457	970 x 537	0.39
914 x 610	994 x 690	0.54
920 x 586	1000 x 666	0.52
920 x 920	1000 x 1000	0.83
1000 x 1000	1080 x 1080	0.98
1004 x 629	1084 x 709	0.62
1020 x 1020	1100 x 600	1.02
1020 x 520	1100 x 600	0.52
1118 x 610	1198 x 690	0.67
1118 x 915	1198 x 995	1.00
1130 x 1130	1210 x 1210	1.25
1140 x 655	1220 x 735	0.72