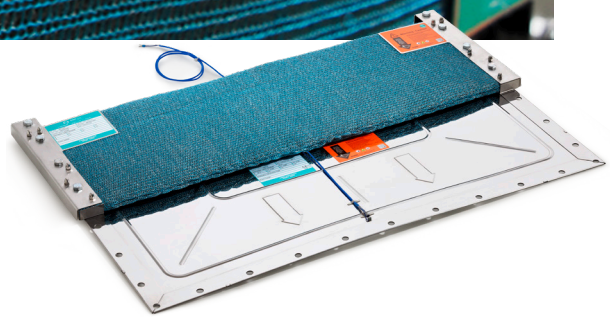
Safety is for life.™

PRODUCT INFORMATION

Explosion Venting

ACCESSORY: TARGO-VENT



ADD-ON MODULE FOR EXPLOSION VENTS TO REDUCE THE SIZE OF ENDANGERED AREAS

TARGO-VENT limits the opening angle of an explosion vent in order to protect people, vehicles or subsequently erected buildings. By decreasing the size of endangered areas, TARGO-VENT helps you to reduce your safety zones to a minimum and increase usable operating space while providing optimum protection against explosions.

Applications

Ideal for rectangular explosion vents,

- **that vent into areas used by vehicles or pedestrians,**
- **used in outdoor applications,**
- **that vent into previously clear areas, which have subsequently been built upon.**

Mechanism

TARGO-VENT limits the opening angle of the explosion vent and guides the explosion pressure wave, flames and heat into defined areas. This minimizes the size of the safety areas required.

Your advantages

- Smaller safety areas required in front of vent openings – **more productive use of valuable operating areas.**
- **Smaller area required** for explosion venting than with alternative deflectors.
- **Low cost protection** of infrastructure.
- **Safe traffic routes for people and vehicles** while simultaneously reducing the safety zones required.
- Retrofitting with TARGO-VENT provides **greater safety for existing installations.**
- **Maintenance-free and long service life** through the use of stainless steel.

ATEX
EC type examination certificate no.
FSA 13 ATEX 1637

Safety is for life.™

PRODUCT INFORMATION

Technical data*

Valid for explosion vents with a venting area of ≤ 0.54 m²

Max. K_{St} Value	≤ 200 bar × m/s				
Max. red. explosion pressure P_{red}	≤ 14.5 psig @ 71.6 °F (≤ 1.0 bar @ 22 °C)				
P_{red}	2.9 psig 0.2 bar	5.8 psig 0.4 bar	8.7 psig 0.6 bar	11.6 psig 0.8 bar	14.5 psig 1.0 bar
Deflection angle	45°	40°	35°	30°	25°
Venting efficiency	55 %	58.8 %	63 %	66.3 %	70 %

Valid for explosion vents with a venting area of between 0.54 m² and 1.1 m²

Max. K_{St}-Value	≤ 200 bar × m/s		
Max. red. explosion pressure P_{red}	≤ 5.8 psig @ 71.6 °F (≤ 0.4 bar @ 22 °C)		
P_{red}	2.9 psig 0.2 bar	4.35 psig 0.3 bar	5.8 psig 0.4 bar
Deflection angle	45°	42.5°	40°
Venting efficiency	55 %	57.5 %	60 %

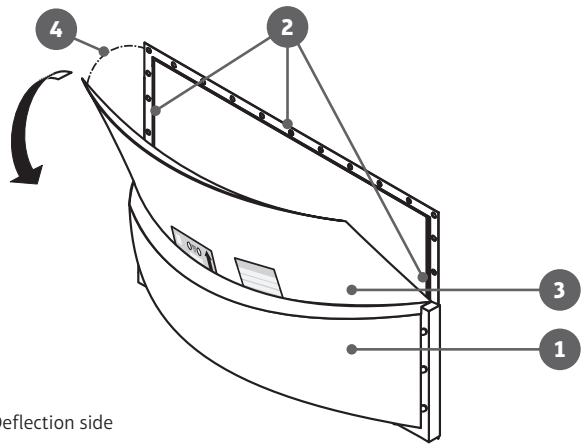
Note: Linear relationship between max. red. explosion pressure P_{red}, deflection angle and efficiency.

*Our specialists will be pleased to assist you in finding a solution that matches your specific operating conditions.

Dimensions and weight

Measurements [mm]		Approx. weight [kg]	
[in]	[mm]	[lbs]	[kg]
12.0x24.0	305×610	6.6	3
24.4x32.3	620×820	19.8	9
23.1x36.2	586×920	19.8	9
24.0x44.0	610×1118	22.0	10
36.2x36.2	920×920	30.09	14
36.0x44.0	915×1118	33.0	15

Other sizes available on request.



1. Deflection side
2. Opening sides
3. TARGO-VENT
4. Max. opening angle α

With TARGO-VENT: The flame is deflected into safe areas.

Without TARGO-VENT: The flame endangers operating areas.

Consulting. Engineering. Products. Service.

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