

PRESSURE RELIEF FLAPS






Individual, reliable and versatile



Dynamic. Different. Dedicated.

PRESSURE RELIEF FLAPS

HIGHLIGHTS

-  Explosion-resistant steel frame
-  Automatically closing lamellae made of high-strength spring steel
-  Extinguishing integrated flame arrester (optional)
-  Fulfillment of fire and explosion protection requirements according to BGI and GUV
-  For use in a wide range of applications



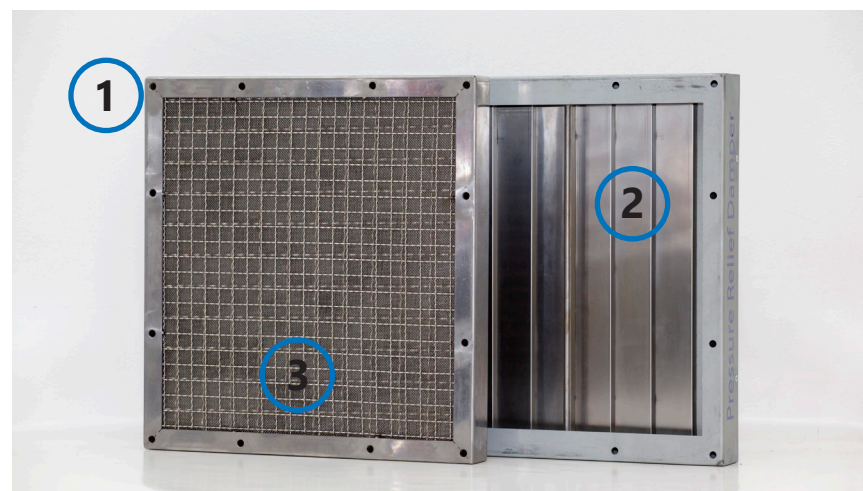
PRODUCT DESCRIPTION

MöllerWerke pressure relief flaps can be used individually in machine tools, fire protection systems and applications in electrical engineering as well as the construction industry. Our pressure relief flaps are designed with a particular focus on robustness and heat resistance.

In the event of overpressure, the pressure wave can escape in the right direction. In this way, the pressure relief flap reliably prevents damage to property and personal injury. In addition, MöllerWerke pressure relief flaps can be optionally equipped with a flame arrester, especially for use in machine tools.

Apart from that MöllerWerke pressure relief flaps also meet the strict fire and explosion protection requirements of the BGI and GUV. Individual, reliable and versatile – Find out more about our pressure relief flaps – **Made by MöllerWerke**

Design and function



- 1 Explosion-resistant steel frame
- 2 Self-closing spring steel lamellae
- 3 Extinguishing, integrated flame arrester

- Combination of steel, stainless steel and spring steel elements
- Free and adjustable lamellae
- Automatically closing lamellae
- Durable construction, withstands multiple blast waves without elements coming loose



Standards and parameters

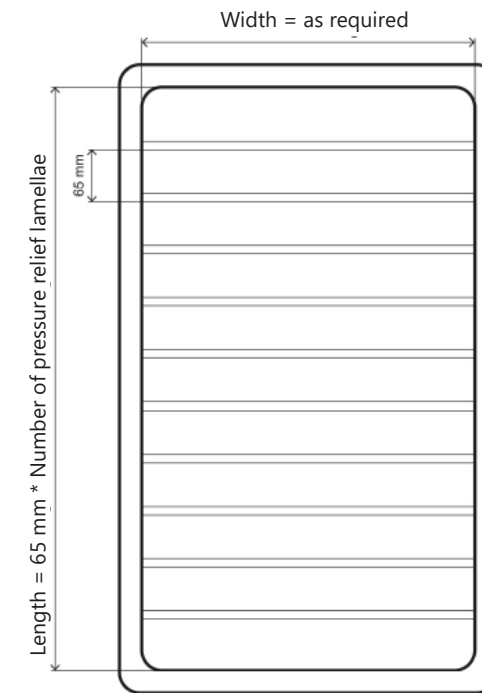


- Response pressure of the pressure relief flap is < 1 mbar
- The lamellae close automatically after the explosion
- Distance to adjacent objects can be reduced up to 0,5 m by using the maintained flame arrester
- Dimensions of the pressure relief flap can be scaled to the respective application
- Dimension guideline: 0,1 m² relief area per m³ of machine volume
- Complete fulfillment of BGI/GUV-I 719/R7 regulations

Technical data and basic shapes

Product properties	MöllerWerke pressure relief flap	MöllerWerke pressure relief flap with flame arrester
Version for wall / overhead installation	✓	✓
Response pressure	< 1 mbar	< 1 mbar
Automatic closing after explosion	✓	✓
Multiple use possible, no deformation	✓	✓
No incidence of hazardous projectiles	✓	✓
Extinguishing flames	-	✓
Distance of up to 0,5m to ceilings, walls and objects	-	✓
Compliance with BGI/GUV-I 719/R7	✓	✓

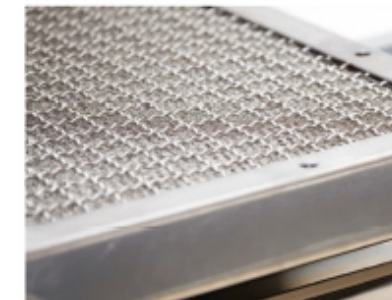
Connection variants and options



Total height
Without flame arrester: 70 mm
With flame arrester: 150 mm



Screw connection to the machine on both sides using the support frame



Pressure relief flap with integrated flame arrester and sensor for position detection



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