



## 3.2

## TÜV/CE atmospheric discharge safety valves for industrial applications

## Materials



## Media



## Temperatures



from -60°C to +225°C

## Pressures



from 0.2 bar to 630 bar

## Threaded connection



from G 1/4" to G 2"

Through new innovations in our range of high performance safety valves for air, we are continually expanding our product range and setting new standards in the field of safety. These innovative new developments of atmospheric discharge safety valves are particularly suitable for the protection of compressors, air-receivers and bulk transport vehicles.

In spite of their small size and compact design these atmospheric discharge safety valves are able to achieve huge blow-off capacities. Thus, they are even suitable for large pressure vessels and enable their protection for trouble-free filling or emptying. The occurrence of dangerous overpressures in the range of 0.2 to 630 bar are prevented by atmospheric discharge.

## Industries that rely on Goetze valves

- Industrial applications
- Compressors
- Bulk transport vehicle manufacturers and service companies
- Stationary silos, silo systems, tank manufacturing
- Railway applications for passenger- and freight transport



➤ **BULK TRANSPORT VEHICLES**



➤ **COMPRESSORS**



➤ **TANK MANUFACTURING**



➤ **PANTOGRAPHS**



## 3.2 TÜV/CE atmospheric discharge safety valves for industrial applications



### Safety valves Series 410

made of stainless steel, atmospheric discharge, with threaded connection



### Safety valves Series 810

made of brass, atmospheric discharge, with threaded connection



### High performance safety valves Series 412

made of stainless steel, atmospheric discharge, with threaded connection



### High performance safety valves Series 812

made of brass, atmospheric discharge, with threaded connection

#### Neutral



#### Non-neutral

#### Gastight

#### Bellows

#### Diaphragm

#### MEDIA:

■ GAS

Our smallest and most compact compressed air safety valve with enormous blow-off capacity, so that high-performance compressors can be protected. This safety valve is also ideally suited for the protection of large stainless steel pressure vessels and air systems made of stainless steel in aggressive environments or in secondary areas in the food-, beverage-, pharmaceutical- and cosmetics industries.

The basic model within the range of small safety valves for compressed air. It is compact and due to its good blow-off capacities is particularly suitable for the protection of pressure vessels and compressors. However, even for large pressure vessels this valve can be employed due to its excellent price/performance ratio. This valve is equipped as standard with a stainless steel spring and FPM seal.

This high performance safety valve made of stainless steel is unique in its class. Its slim and elegant exterior conceals the highest level of precision and performance. At the same time, this valve can be ordered with a set pressure up to 45 bar. It is suitable for air and gases which can be freely discharged into the environment.

The basic model within the range of high performance safety valves. Up to date technology and highest precision, high-quality components such as a stainless spindle and spring fitted into a slender body made of brass. This valve is suitable for air and gaseous media up to a set pressure of 45 bar, which can be freely discharged into the atmosphere.



**Threaded connections**  
from G ¼" to G 1"



**Threaded connections**  
from G ¼" to G 1"



**Threaded connections**  
from G ½" to G 2"



**Threaded connections**  
from G ½" to G 2"



**Temperatures**  
from -60°C to +225°C



**Temperatures**  
from -60°C to +225°C



**Temperatures**  
from -60°C to +225°C



**Temperatures**  
from -60°C to +225°C



**Pressures**  
from 0.2 bar to 50 bar



**Pressures**  
from 0.2 bar to 50 bar



**Pressures**  
from 0.2 bar to 50 bar



**Pressures**  
from 0.2 bar to 50 bar



### High performance safety valves Series 413

made of stainless steel, atmospheric discharge, with threaded connection



### High performance safety valves Series 813

made of brass, atmospheric discharge, with threaded connection



### High-pressure safety valves Series 492

made of stainless steel, atmospheric discharge, with threaded connection

The discharge of air from pressure vessels filled with liquid, granular or powdery media requires additional safety precautions with so-called "FKS" safety valves. This valve is fitted with a weather shroud and all moving or guided parts as well as the spring housing are protected against soiling.

This makes this valve suitable for the rough conditions on bulk transport vehicles or stationary silos.

All aspects and special safety features of the "FKS" valves made of stainless steel have been fully implemented in this series. However all technical and safety features are contained in a brass body. These valves are an optimal solution with respect to their price / performance ratio for use on bulk transport vehicles and stationary silos. Standard version with weather shroud, stainless steel spring and FPM (Viton) seal.

A safety valve which impresses with its small dimensions and design for the protection of high-pressure air systems and high-pressure compressors. Can optionally be ordered with a gas-tight rotatable angled housing for guided flow-off or for connecting a discharge pipe for non-neutral gaseous media. Through its special technical construction and design the series covers a pressure range that has not been catered for up to now.



**Threaded connections**  
from G ½" to G 2"



**Temperatures**  
from -60°C to +225°C



**Pressures**  
from 0.2 bar to 6 bar



**Threaded connections**  
from G ½" to G 2"



**Temperatures**  
from -60°C to +225°C



**Pressures**  
from 0.2 bar to 6 bar



**Threaded connections**  
from G ¼" to G ¾"



**Temperatures**  
from -60°C to +180°C



**Pressures**  
from 50 bar to 630 bar