



KLINGER BALLOSTAR KHA

FOR EXPANSIVE
MEDIA



www.klinger.kfc.at

How to handle with **EXPANSIVE MEDIA**

Our Solution: KLINGER Ballostar KHA

» **The challenge:**

In a wide variety of processes, valves are used for highly expansive media (media with physical behavior of expanding or contracting with changes in temperature). Particularly in the case of rapid expansion of the medium in a valve, this behavior can cause damage to the parts in contact with the medium and leads to leakage.

» **Examples for expansive media:**

Ammonia or Hydrogen peroxide

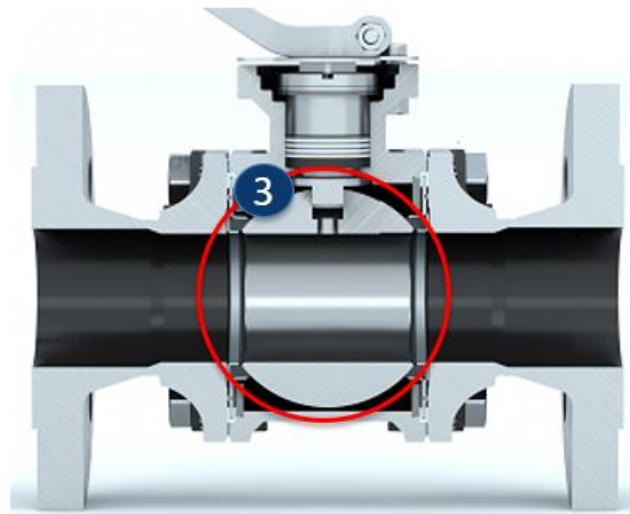
» **The solution:**

The KHA ball valve is perfectly designed to handle with expansive media

Expansive media can lead to a rapid increase in pressure

ADDITIONAL PRESSURE RELIEF OF THE CAVITY OF A VALVE IS NECESSARY

- » If the medium remains in the cavity of a valve this can lead to a rapid increase in pressure and to a considerable damage to valve parts – proper functioning is no longer guaranteed.



- » (1) Rapid expansion of the media in the cavity
- » (2) If the valve is in closed position, also media will be present in the ball which could expand

KHA ball valve design for expansive media

THE SOLUTION: KLINGER BALLOSTAR KHA

- » The additional pressure relief drilling in the upstream sealing element ensure a constant pressure balance of the cavity. A damage of the wetted parts and therefore malfunction is avoided and safety is increased. This helped the customer to reduce maintenance works and unplanned shut downs.

