DOUBLE BLOCK & BLEED

The safest solution for maintenance

BALLOSTAR KHA-DBB

A single ball valve instead of two? With the Double Block & Bleed (DBB) function, we offer a perfect solution regarding lifecycle costs.

As opposed to the floating design, the 3-piece ball valve is in this case trunnion mounted. This construction alternative (for nominal widths between 15 and 125 mm) improves durability, enabling the ball valve to guarantee optimal functionality and operational safety even under the most demanding conditions.

Next to time and cost savings, the optional Double Block & Bleed function, either with a drain valve or drainage by way of the trunnion, is important in applications featuring limited installation space.

Furthermore, the BALLOSTAR KHA-DBB convinces with its sealing and safety features.

There are two different versions available:

1. Trunnion mounted
2. Trunnion mounted with drain cock (complete Double Block & Bleed solution)

INSULATION IN DETAIL

KHA ball valve fully open

KHA ball valve completely closed, dead space and ball filled with medium

Opening of the drain cock. Complete drainage of the dead space and inner space

KHA ball valve completely closed with opened drain cock. Dead space and ball completely emptied.

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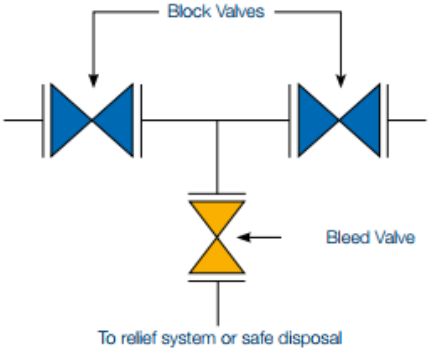
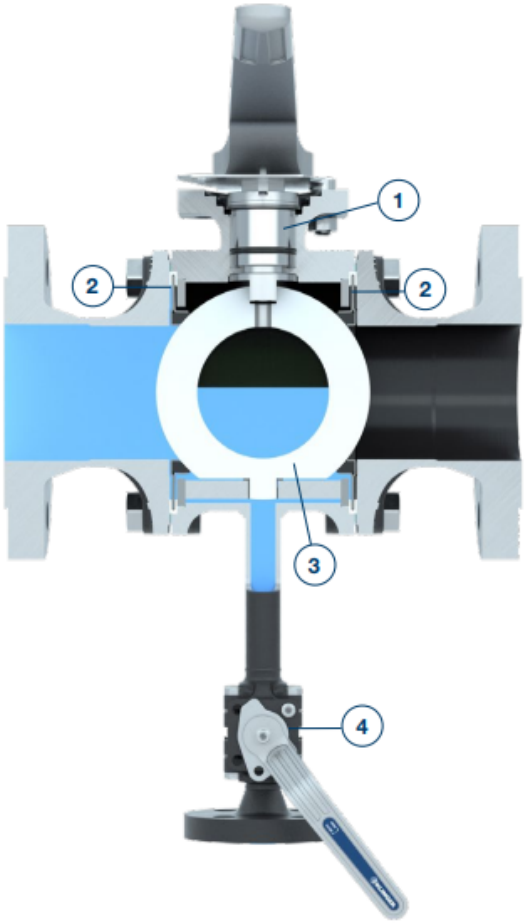
Many shut-off applications, especially in the steam and hot water area, require an absolutely reliable and safe barrier of the medium to avoid accidents during maintenance operations on the pipework. In such an uneconomical variant, two identical valves installed in series to ensure that in the event of a failure one valve the second can continue to be operated. The connection line of the two valves was supplemented by another valve for emptying.





THE KLINGER BALLOSTAR KHA DBB

This version consists of two elastic sealing elements and a double bearing ball. The two independent of each other acting sealing elements unite the two valves.The additional drain cock is used for a complete drainage of the dead space. The cavity of the ball valve can be drained and depressurized by opening the drain/ test cock while the KHA is in closed position. Furthermore, during operation in the closed position there can be checked whether the input-side sealing element reliably sealed.

Double Block & Bleed edition

1. Stuffing box with AFLAS O-rings

2. sealing elements multipart KFC

3. Mounted ball made of stainless steel

4. Drain cock
for DN15 to 40, type ABZ-12-L8
for DN50 to 125, type KHA DN15

Useable up to 235°C according to P/T diagram:
for clear liquids and gases

Applications in:
- District Heating
- Steel
- Power
- Geothermal Energy
- Oil and gas
- Chemical industry