



DOUBLE BLOCK AND BLEED VALVES

KLINGER Double Block & Bleed Ball Valves for Double Isolation.

KLINGER Double Block & Bleed Ball Valves are a compact & safe solution to provide controlled double isolation using 2 independent shut off devices and a bleed valve in 1 valve body.

The range comprehends 2 different types:

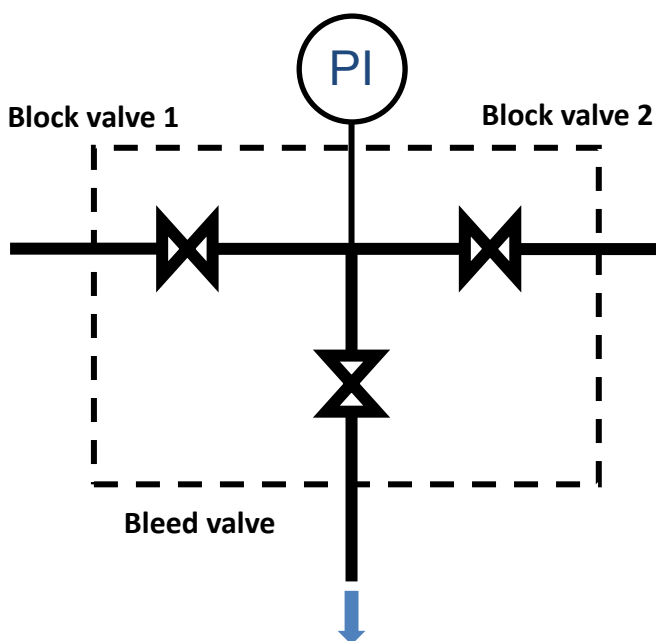
Valve specification A – a compact type with the face to face dimension of a standard valve

Valve specification B – a type with 2 separately operable block valves

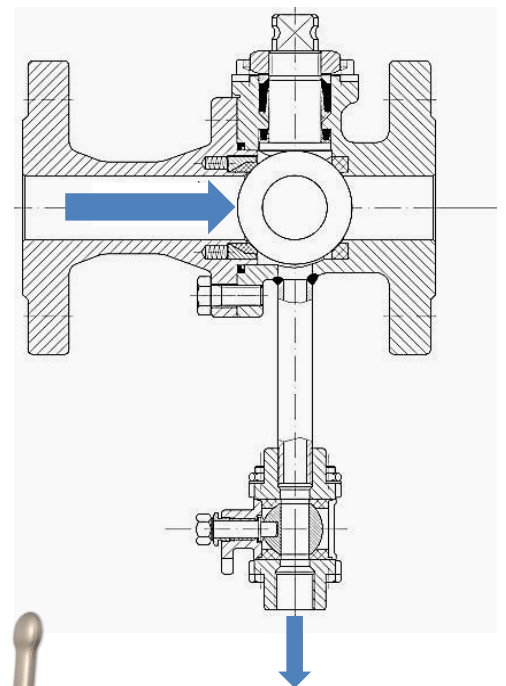
Both types are available with soft seat or with metal seat.

For more details see the descriptions of each type on the following pages.

Standard DBB setup schematic



INTEC DBB valve drawing



Picture of an INTEC DBB

Valve specification A:

Flanged ball valve with double positive shut off and bleed with:

- bleed valve in the area between the 2 seats
- blow-off connection with valve on the down stream side (optional)

Valves are hand operated with lockable handles (pad lock optional)

Face to face length to EN 558 Gr. 1 or to EN 558 Gr. 27

Flanges to EN 1092 PN40

TA-Luft certified to VDI 2440

Fire safe to EN 10497

Materials:

Body: carbon steel

Ball: design with soft seats: stainless steel 1.4408

optional: design with metal seats: stainless steel 1.4408 with hard facing metal coating

Seats: design with soft seats: KFM (PEEK/KFGN optional)

optional: design with metal seats: stainless steel 1.4571 with hard facing metal coating

Advantages:

- Positive controlled & safe double isolation by 2 independent shut off devices in 1 valve, uni directional. (Bi-directional is optional with double spring-loaded seats.)
- Tightness of shut off devices can be checked and secured by bleeding the valve chamber between the 2 shut off devices to atmospheric pressure when the block valve is closed.
- One (simple 90 degree turn) action to close both shut off devices.
- Face to face dimension of standard ball or globe valve.
- Valves can be tested in line.
- Reduced number of (flanged)connections.
- Easy and quick locking of safe situation possible.
- Time to operate is short: fast isolation

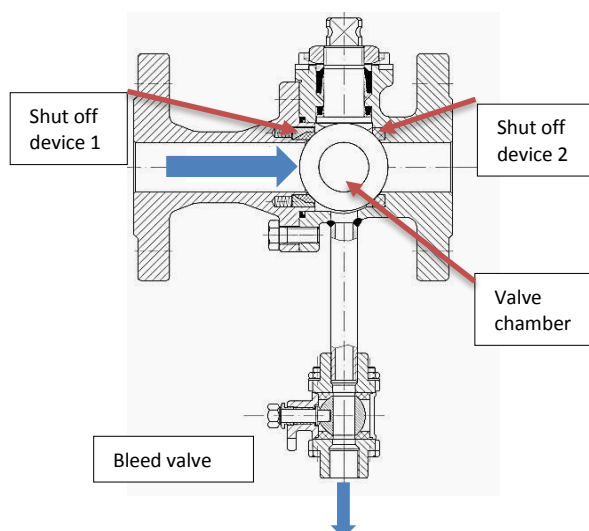
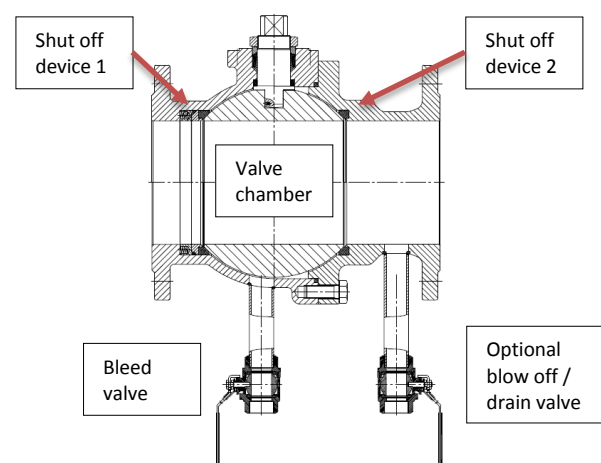


Figure 1: left: DBB with bleed valve



Right: DBB with one block valve and optional blow off/drain valve.

Valve specification B:

Flanged ball valve with double positive shut off and bleed with

- 2 separate block valves
- bleed valve in the area between the 2 block valves

Valves are hand operated with lockable handles (pad lock optional)

Face to face length to manufactures standard

Flanges to EN 1092 PN40

TA-Luft certified to VDI 2440

Fire safe to EN 10497

Materials:

Body: carbon steel

Ball: design with soft seats: stainless steel 1.4408

optional: design with metal seats: stainless steel 1.4408 with hard facing metal coating

Seats: design with soft seats: KFM (PEEK/KFGN optional)

optional: design with metal seats: stainless steel 1.4571 with hard facing metal coating

Advantages:

- Positive controlled & safe double isolation for bi-directional flow / pressure by 2 independent block valves and an atmospheric chamber between the block valves (when bleed valve is open).
- Valves can be tested in line.
- The 2 independent block valves can be operated separately – blow off possible through bleed valve.
- Large size bleed valve possible.
- Possible to flush system using bleed valve.
- Reduced amount of (flanged)connections, everything is in one house.
- Short Face-to-face length compared to separate valves.
- Bleed valve is also double block(spring loaded seats).

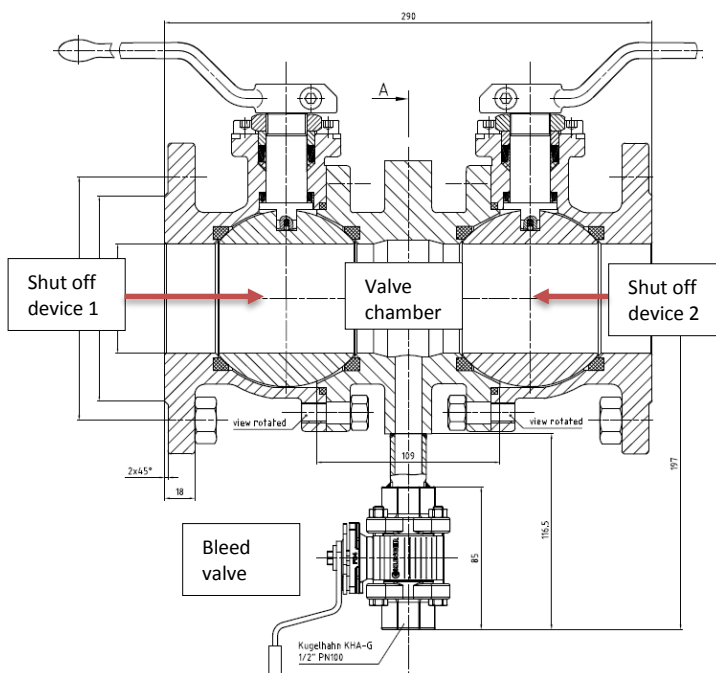


Figure 2: left: drawing of DBB with two block valves.

Right: Example what it looks like when installed.

KLINGER FOR SAFETY

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- » Savings (TCO)
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- » Personal contact
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