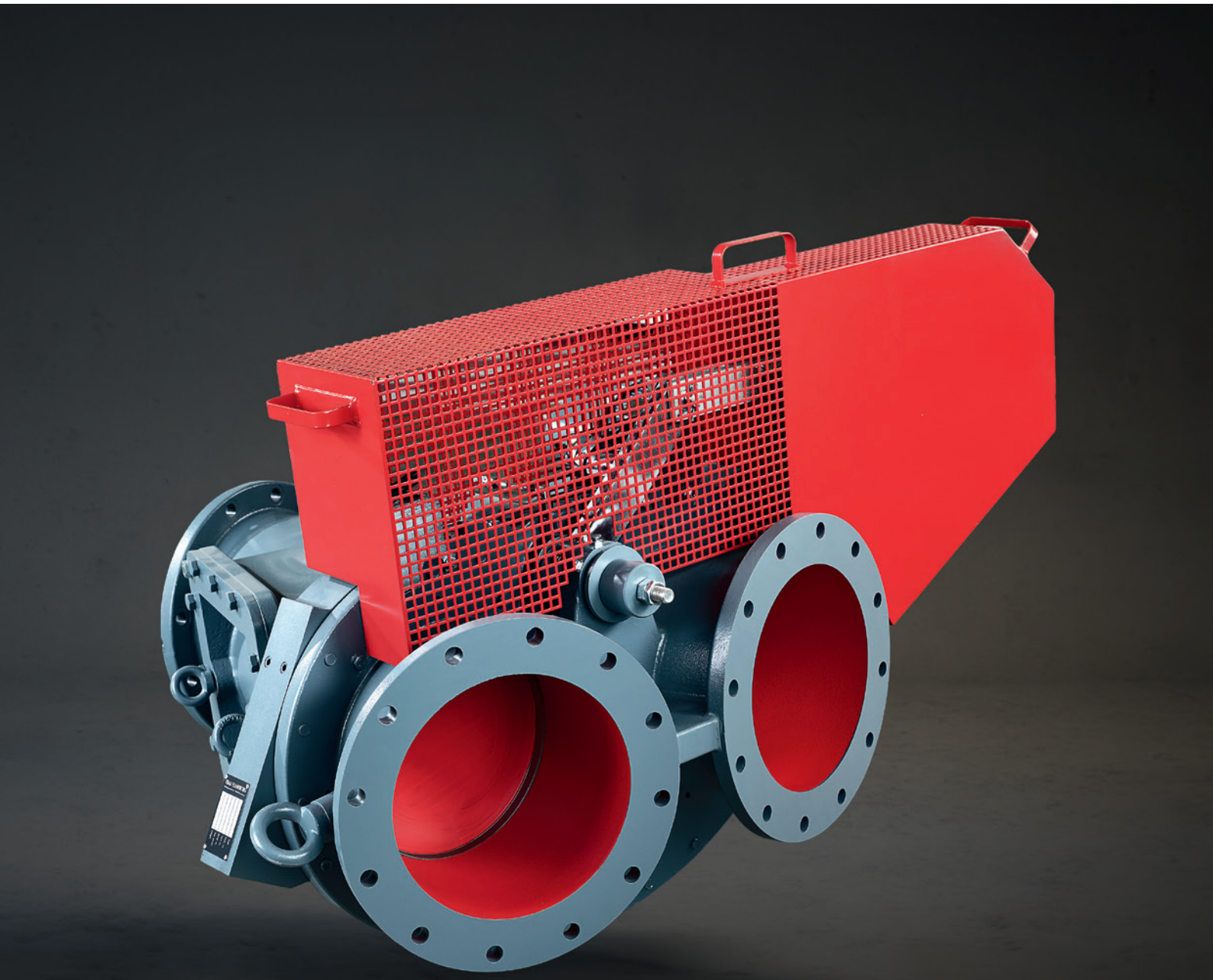
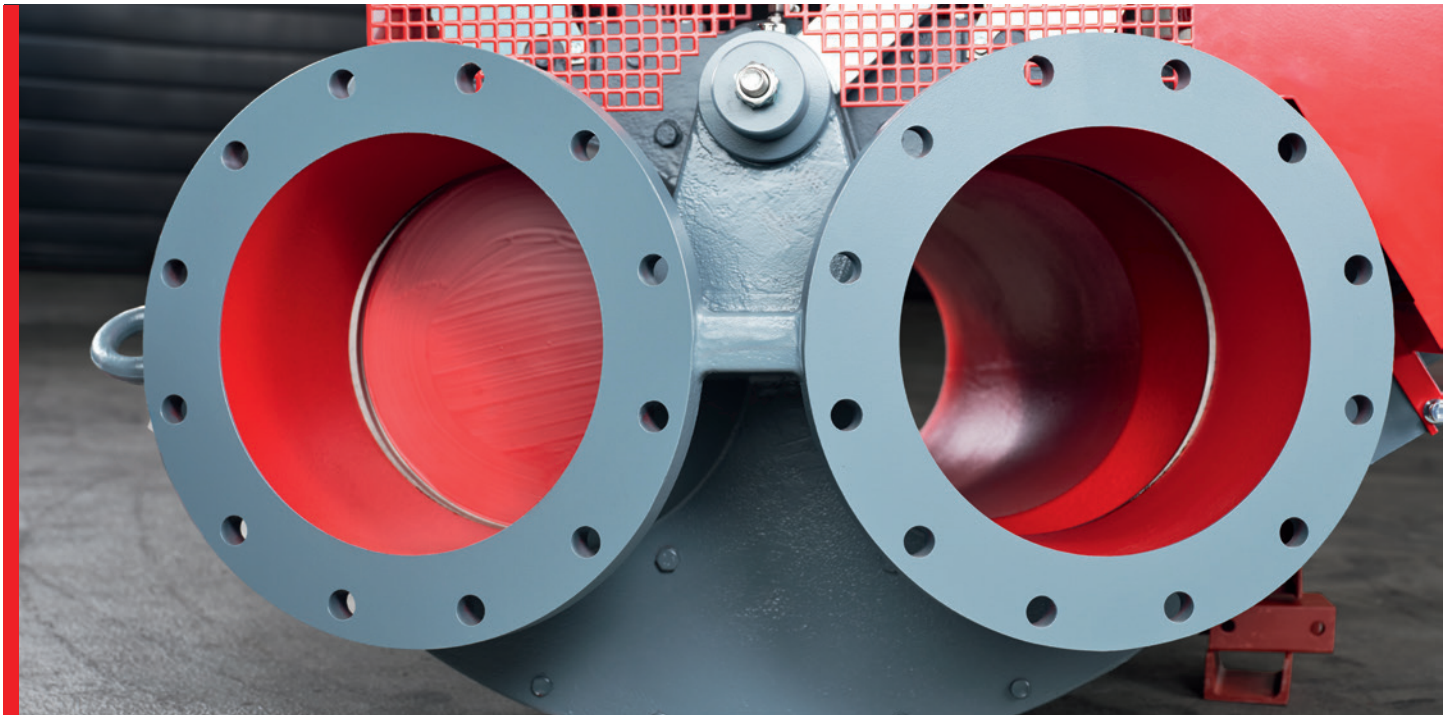
IBAU HAMBURG
A HAVER & BOECKER BRAND



TWO-WAY VALVE

Direct your flow



Reliable and Robust
The **IBAU Two-Way Valve:**

OPERATION & DESIGN

The IBAU Two-way valve is the ideal equipment for pneumatic conveying systems, by allowing to direct the flow of dry pulverized bulk materials alternately into different conveying directions or feeding different silos. The design of the IBAU Two-way valve allows for a reliable change of the direction of flow in pneumatic conveying lines. It consists of a housing with one material inlet opening and two material outlet openings.

Dry pulverized materials such as cement, lime, gypsum, fly ash, etc. are directed into **one of two down- stream pneumatic conveying pipes**

The Two-Way Valve is available in a **motorized, pneumatic** and **manual version.**

For all drive versions the end position of the closing disc is **monitored by limit switches**.

The Two-Way Valve is fitted with an **inspection cover for maintenance purposes.**

The IBAU Two-Way Valve can either be **installed horizontally or vertically**, depending on local requirements.

For abrasive materials, the two-way valve is equipped with wear bushings in the distributor head.

The **pressure-shock-resistant version** of the two-way valve can be **used to convey coal dust** and the machine can also be installed in ATEX zone 22 with the appropriate accessories.

Available sizes are from **DN 100** to **DN 500.**

FUNCTION

IBAU Two-Way Valves are used to direct material flows into one of two downstream pneumatic conveying pipes. The conveying path can be changed by moving the valve disc from one outlet to the other.

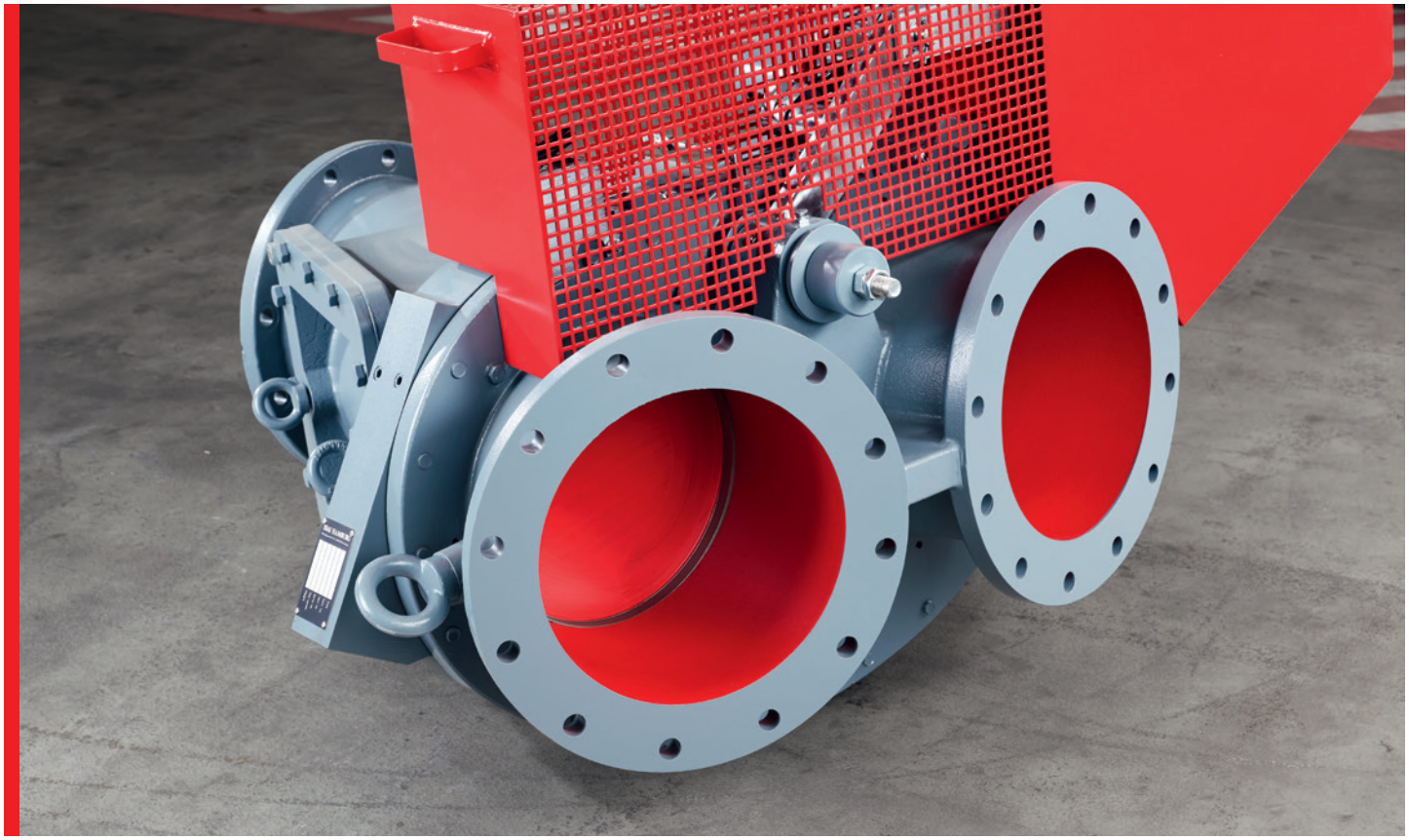
The **operating pressure** for pneumatic drives is **at least 6 bar.**

The **direction of flow** can only be changed while the material flow is **switched off.**

The Two-Way Valve is equipped with an **inspection cover for maintenance purposes.** This allows all wear parts to be replaced without removing the entire Two-Way Valve.

AREA OF APPLICATION

- Two-Way Valves are used in pneumatic conveying systems as diverters to direct the material flow to different lines or destinations
- Suitable for all types of pulverized bulk materials as cement, raw meal, various kinds of lime, pulverized coal, fly ash, alumina and many other powdered materials
- Two-Way Valves are also available in ATEX design



ADVANTAGES

of the IBAU Two-Way Valve

- Very low maintenance
- Available in special designs (wear resistant, seawater resistant, ATEX)
- Easy maintenance assures short downtimes
- Robust design for a long lifecycle

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