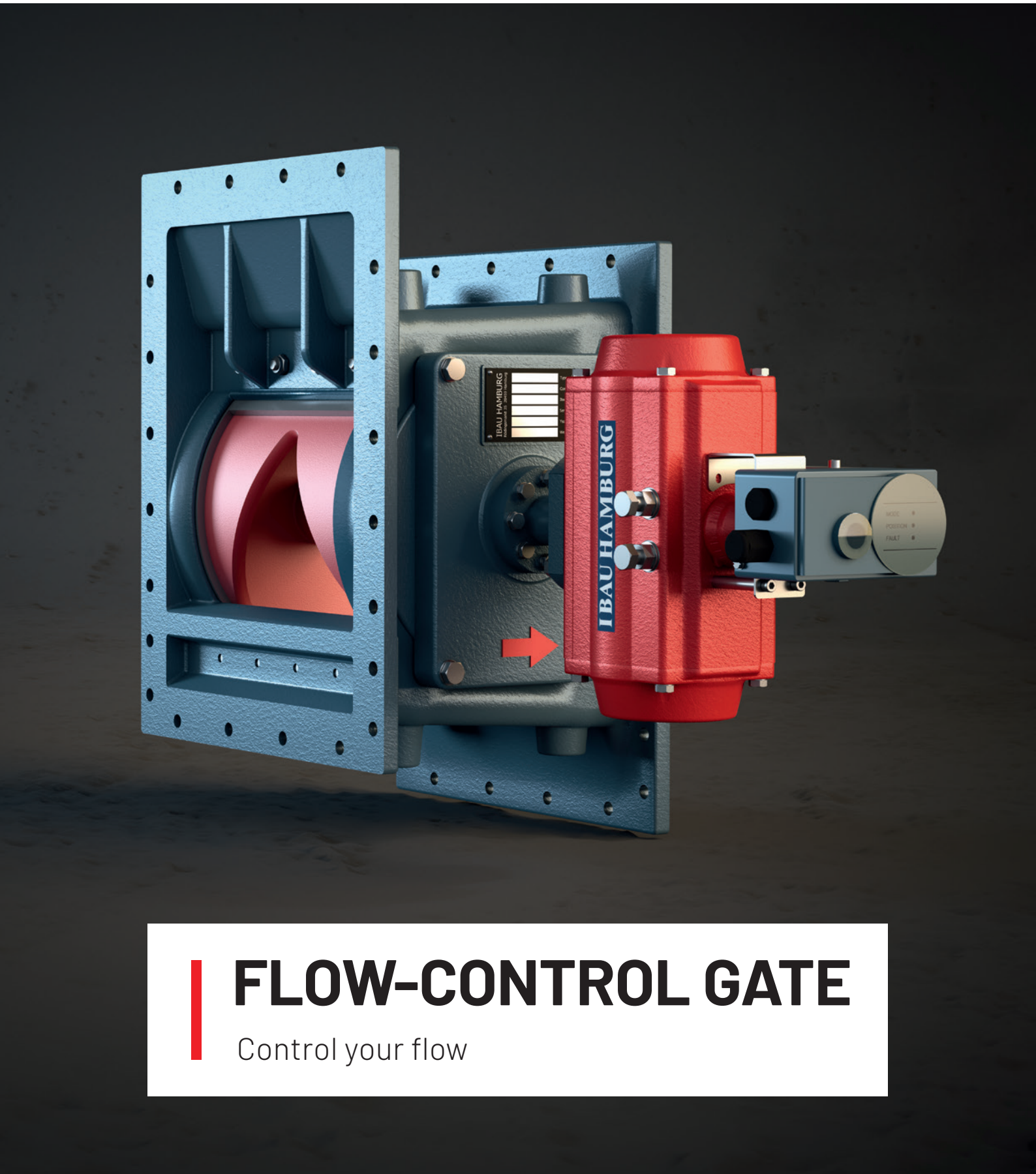
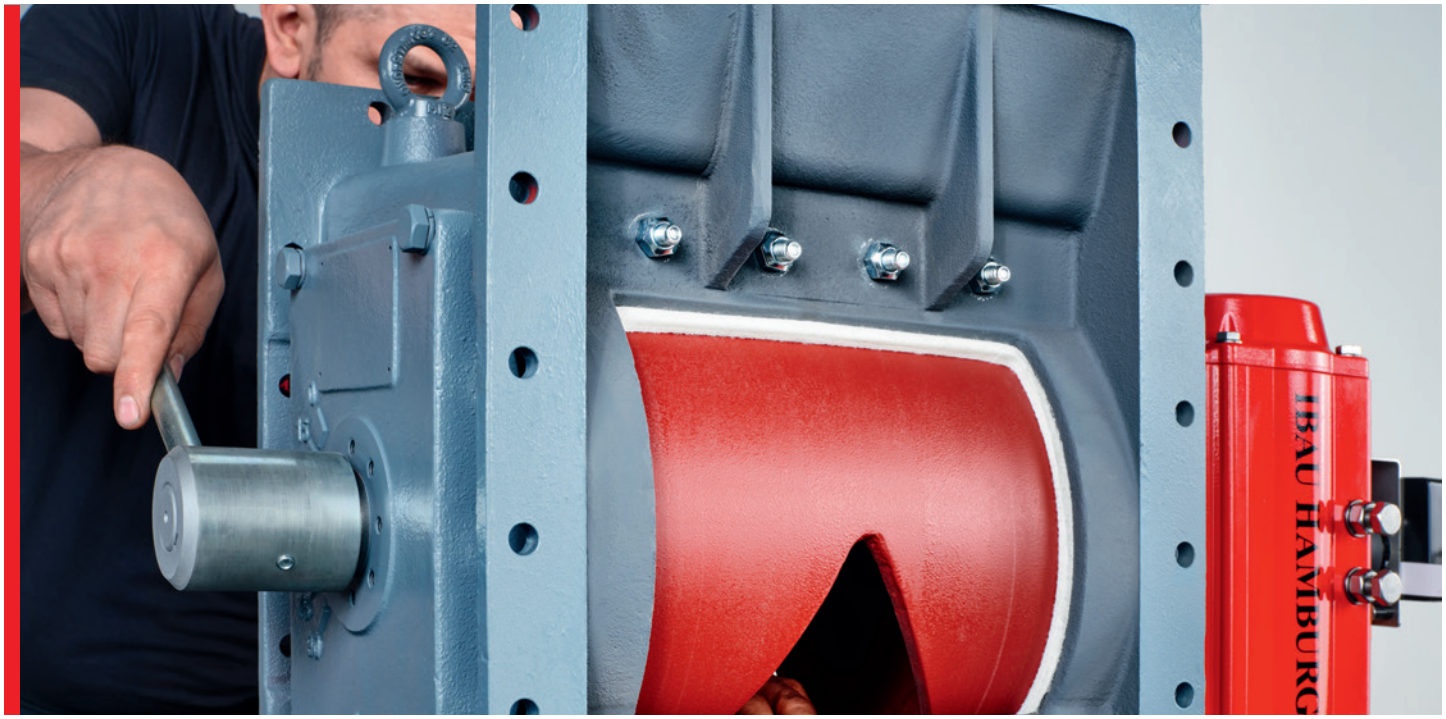
IBAU HAMBURG
A HAVER & BOECKER BRAND



FLOW-CONTROL GATE

Control your flow



OPERATION & DESIGN

The flow-control gate primarily consists of the housing, a roller with shaft, a roller gasket, two side covers, a terminal box, a hand lever with coupling, as well as a manual, motorized or pneumatic drive. The flow-control gate may also optionally be equipped with an aeration pad.

Different operating conditions require **specially shaped apertures.**

Thanks to the **high-quality materials** and **simple design**, IBAU Flow-control gates require minimal maintenance, thereby **reducing downtime, operational costs**

Vertical and **horizontal designs** are available

Special sizes with a **welded steel housing** are also available: **100, 350, 650 & 840**

The flow-control gate with a **cast-iron housing** are usually used in the following sizes: **200, 300, 400 and 500.**

A vertical flow-control gate is also available in the following sizes: **300 & 400**

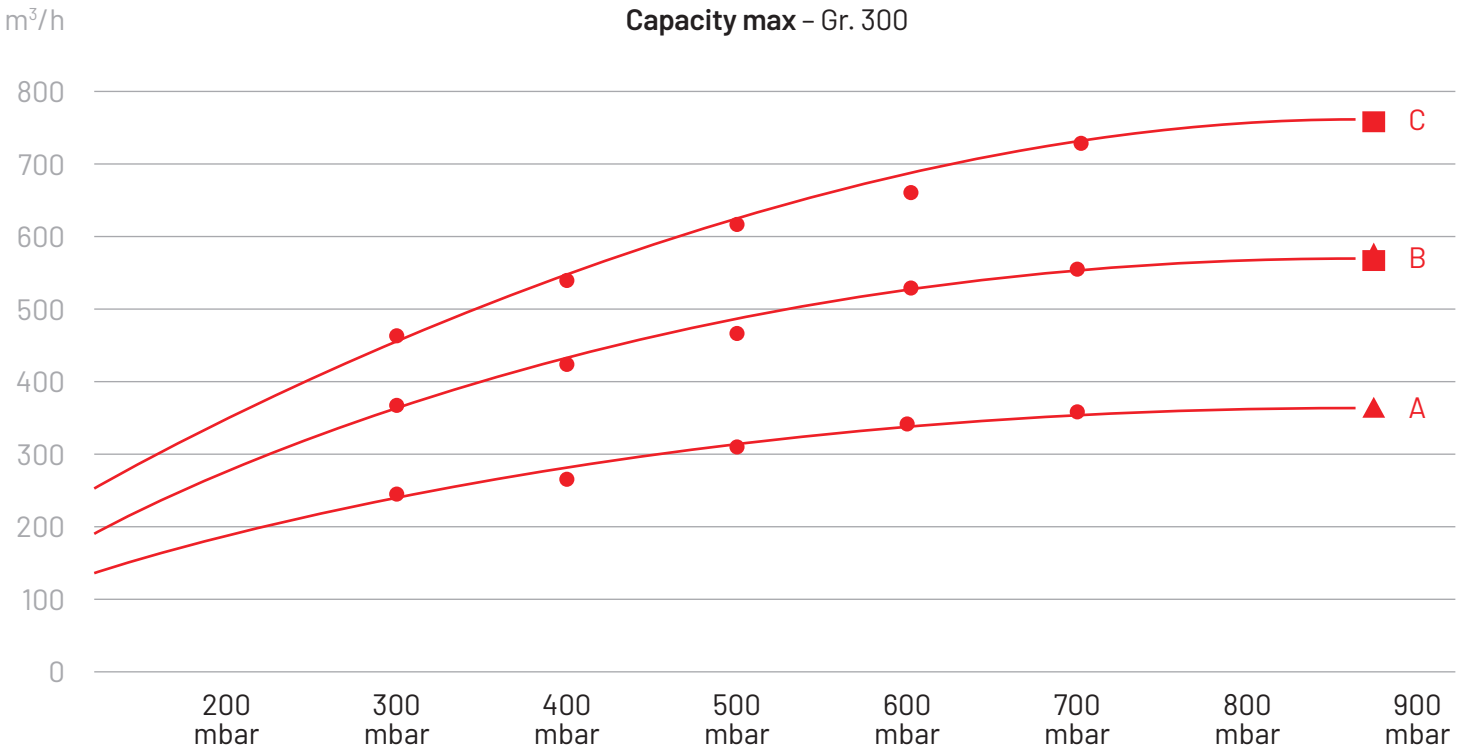
Drives: **Manual** (hand lever); **Motor** (actuating drive) & **Pneumatic** (wing drive) & Electro-pneumatic controller drive

AREA OF APPLICATION

The flow-control gate primarily consists of the housing, a roller with shaft, a roller gasket, two side covers, a terminal box, a hand lever with coupling, as well as a manual, motorized or pneumatic drive. The flow-control gate may also optionally be equipped with an aeration pad.

- The flow-control gate is designed to shut off the discharge of silos as well as for the controlled discharge of dry, puverized bulk materials such as cement, lime, gypsum and fly ash.
- Suitable for material temperatures of up to +200°C

Unique – Flexible – Reliable
The **IBAU Flow-Control Gate**:



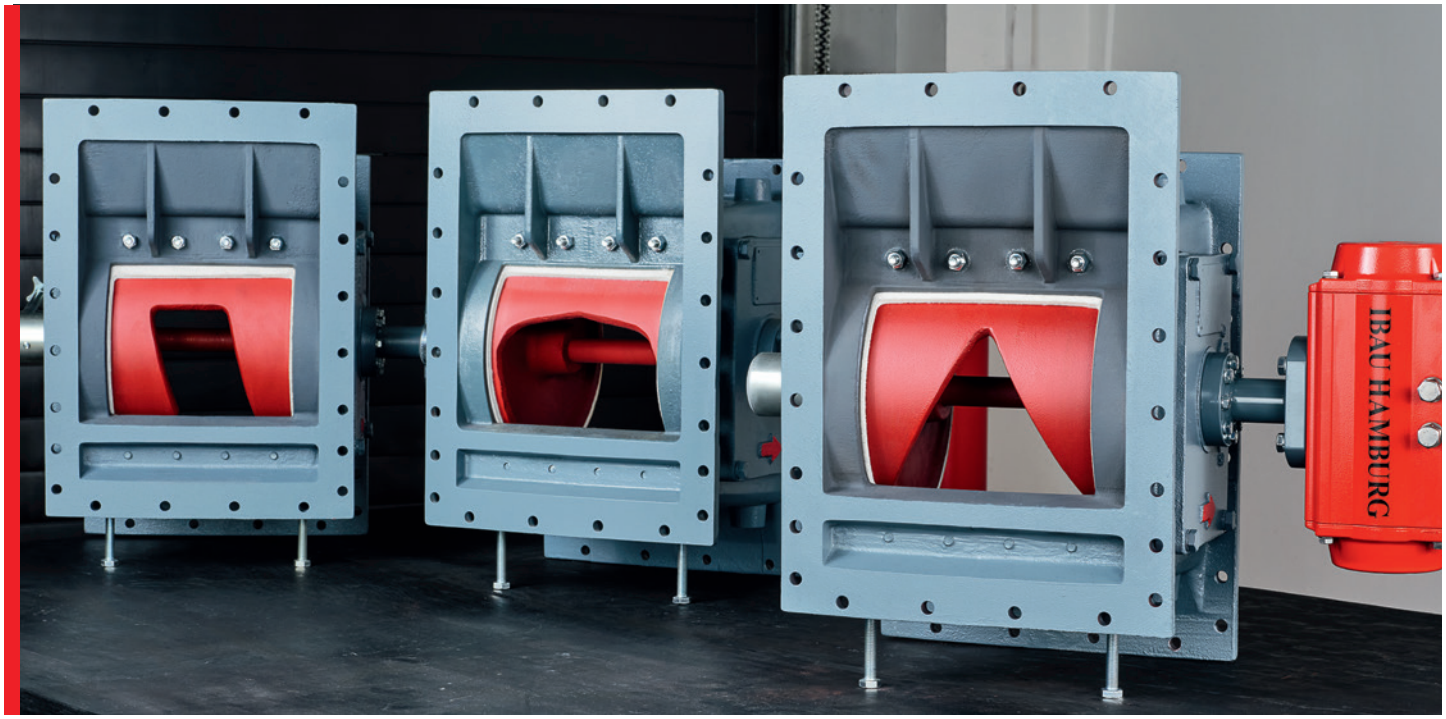
FUNCTION

In order to enable adaptation to variable operating conditions, IBAU HAMBURG offers a range of dosing rollers with differently shaped aperture cross-sections. For all dosing rollers, the aperture cross-sections are infinitely adjustable by rotating the roller.

The **flow-control gate limits** respectively **regulates the material flow** from the silo storage chamber to the downstream process.

It creates a **dust-tight sealing** of the storage chamber / bin.

The **size of the flow-control gate** and **the aperture cross-section** of the dosing roller **are established by IBAU HAMBURG** according to the required material flow-through.



ADVANTAGES

of the IBAU Flow-Control Gate

- Limiting or regulating the material flow from the silo storage chamber / bin to the downstream process
- The gate can handle a wide variety of bulk materials, ranging from fine powders to coarse granular materials, making it versatile for different industries
- Easy maintenance – without having to remove the complete flow-control gate – reducing downtime
- These gates can be easily integrated into existing systems, making it simple to upgrade or modify a facility's material handling processes without significant disruptions.
- Thanks to the high-quality materials and simple design, IBAU Flow-control gates require minimal maintenance, thereby reducing downtime, operational costs

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