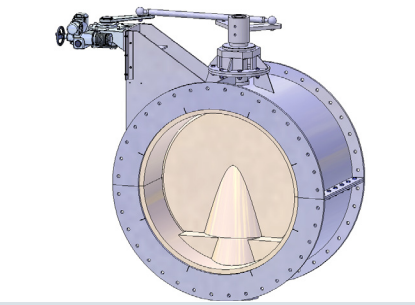
polysius®
tertiary air damper

thyssenkrupp



The new damper type for horizontal piping requires only little space.

Thanks to an optimised wear protection concept, a long service life can be achieved. The special design reduces the setting forces of the damper disc.

Damper during installation into a horizontal piping section of the tertiary air duct.

For installation in horizontal piping – with optimised wear concept and a low overall height

To achieve optimum air distribution, tertiary air ducts are equipped with dampers. Owing to its special design, the new polysius® damper type is particularly suitable for horizontal piping sections. Its optimised wear concept ensures a long service life and low maintenance costs.

Components and description of functioning

The tertiary air duct conveys oxygen-rich tertiary air from the clinker cooler to the calciner in order to boost optimum combustion of the fuel supplied. For the adjustment of the air distribution, dampers have to be installed in the tertiary air duct. In horizontal piping sections, tertiary air dampers are often used for this purpose. One of the characteristics of these dampers is that they require very much space. Furthermore, they frequently jam due to being linearly guided in a baffle. The special design of the new damper type, on the contrary, prevents jamming to a great extent.
To ensure a long service life and, at the same time, low maintenance costs, a special wear concept has been applied. Moreover, the new damper type has been thermally optimised such that no active cooling is required.
The new tertiary air damper for horizontal piping sections achieves a long service life – at an accessible price.

Your service advantages

- Significantly less space required in comparison with traditional tertiary air dampers
- Less abrasive wear thanks to optimised design and improved wear concept
- Low maintenance requirement
- The optimised design of the damper's base reduces the setting forces - This minimises the risk of jamming of the damper
- The actuator of the damper can be suited to the customer's requirements
- Quick return on investment

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