

A TEC Pendulum Flap

PROPER PARTICLE HANDLING, MAXIMIZED LIFETIME

In cyclone preheater towers, pendulum flaps are one of the most important key equipment for an effective operation of the clinker production. Installed in meal pipe – which connects the solid particle outlet of a cyclone separator to the next, lower, riser duct or the kiln inlet – it avoids any counter gas flow upward in the meal pipe which would significantly lower the efficiency, of the cyclone separators.

The flap is actuated by weight, which means that mass of the solid particles open the flap. After the particles have passed the flap, it closes automatically by the adjustable counter weights. Beside the application for cyclones in preheater towers, the implementation of A TEC Pendulum Flaps attracts interest at various applications for particle handling at high temperatures.

CHARACTERISTICS:

- For inclined meal pipes
- Delivery ready to use, with refractory lining (optional)
- Easy access to change the flap
- Robust design = long lifetime DN 300 to DN 1000
- Delivered with counter flanges
- Options for bearings: ball bearing or knife edge bearing
- Each flap is designed for the required situation

