



## ATEX small tube feeder for Silicon granules

**Product group:** Small conveyor

**Industrial process:** Discharging, feeding, conveying

**Industry:** Chemicals, Plastics, Pharmaceuticals

**Type of drive:** small conveyor drive



**capacity (t/h):** 4 bis 8 kg/h | **bulk:** Flowable and free-flowing Silicon granules | **density (t/m<sup>3</sup>):** 1 kg/l | **grain size (mm):** 0

**function:**

Flowable and free-flowing silicon granules must be conveyed within an ATEX-Zone 22 area. In this case, the material should be fed via a feed bunker with layer height adjustment and foreign body protection on the hopper inlet. The material is metered from the closed system into the production process.

**solution:**

The customer has purchased a small tube feeder that is driven by a magnetic drive, type eKF6 / 630 / D114-T50, which is certified to be operated in the ATEX Zone 22. The bunker is not closed and has foreign body protection for safety reasons. The round outlet is sealed by a cuff and that results to a full closed system.

**usability:**

The tube feeder of an explosion-proof design with a bunker in stainless steel design was chosen to suit the specific installation situation and executed as a closed system. This also fulfills all requirements of the ATEX Zone 22. The bunker acts as a buffer and thus enables a continuous dosing into the production process.

**place of installation:** Germany