

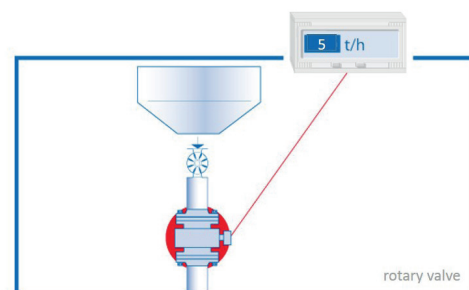
### Application

A mining company extracts raw materials and processes them into fertilizers. During the production process one of the companies products is enriched with an other component. To guarantee a constant quality, a rotary valve doses this component, coming from a silo, into the main material stream. For the continuous measuring of the mass flow so far a baffle plate system was used. High maintenance requirements and an insufficient precision were the main reasons for our customer to look for a better alternative. An additional challenge were oscillations caused by the fabric of the building, which had a direct influence on the baffle plate and the measuring values. During a test operation of both measuring systems conducted in parallel, the MaxxFlo HTC confirmed his suitability, so that the baffle plate system will be removed.



### Process data

Industry:	Salt mining (Germany)
Product:	Fertilizer
Quantity:	5 t/h
Installation:	Freefall after rotary valve
Function:	Contactless measurement in freefall, replacement of a baffle plate system

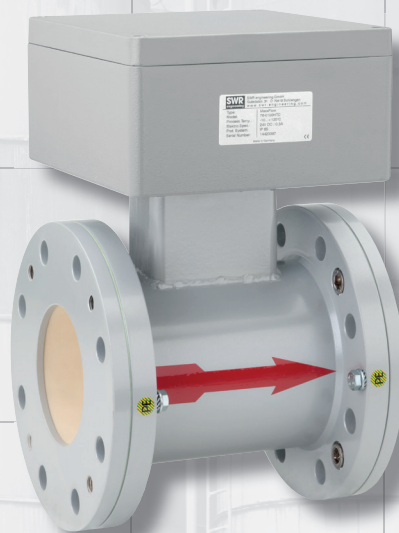


### Solution

The MaxxFlo HTC is specially developed for the flow measurement of dry bulk solids without any built-in in the flow. Due to its independence from angle of the pipe work and its low installation height, the MaxxFlo HTC is especially suitable in situations, in which it was previously only possible to use complicated ore expensive mechanical solutions e. g. impact plates ore measuring chutes. The MaxxFlo HTC measures high mass flow rates for dry solids from the exit of pre feeding devices e. g. screw conveyors, air slides or elevators.

### Customer benefit

- contactless measurement of large amount of material
- avoidance of backings and soilings
- low installation height in comparison with baffle plate
- low wearing and nearly maintenance free



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