

ATTRITION SCRUBBERS

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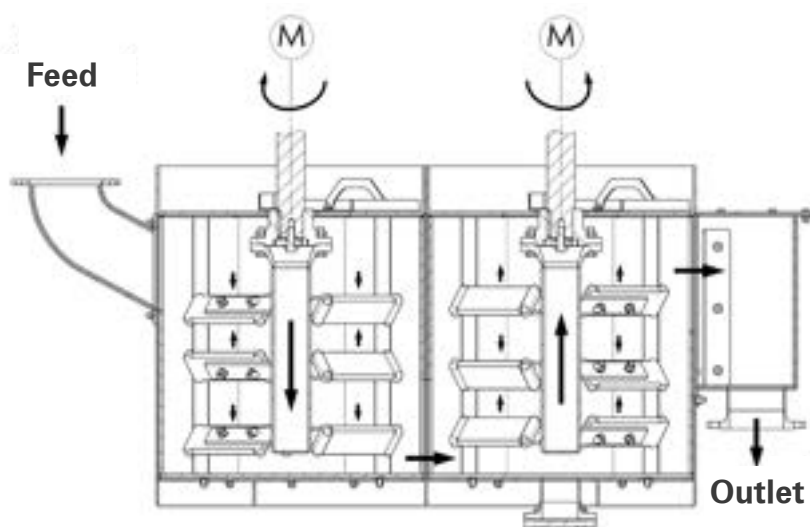
Quality improvements for minerals



The ideal solution for the separation of adhesions

Binder+Co attrition scrubbers increase the quality of raw material and waste products. By means of attrition, agglomerates are dispersed and particles are cleaned from coatings.

Intensive friction between particles is carried out using special stirrers in wear-protected steel tanks at high solids concentration. Optimum effect is achieved when the ratio of water to solids is reduced to a minimum while keeping a certain flowability of the suspension. Adhering contaminants are scrubbed off from the particle surface and agglomerates are dispersed. The suspended fines can subsequently be washed away.



Principle

The attrition scrubbers consist of steel cells and agitators with 4-6 paddles on each of the three levels. The middle paddle level generates a flow in counter direction to the other levels.



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Advantages

- Robust and low-maintenance design with wear protection
- Wear protection is easy to replace
- Floor opening to allow complete emptying of machine
- Simply construction with high-performance gear motors
- High plant availability

Applications

- Attrition/ Refining
- Mixing/ Homogenizing
- Polishing
- Washing

Technical data

Model	2, 4 or 6-cells
Total power	4,4 - 300 kW
Volume per cell	0,04 - 2,0 m ³
Cell material	Steel/ stainless steel
Wear protection	PU, rubber, hardox
Grain size	0/1 bis 0/4 mm (max. 0/8 mm)
Maximum feed solids	150 t/h

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