

GTEK Attrition Scrubber



Description

Attrition scrubbing is the process where a mineral is scrubbed primarily by the action of the slurry particles impacting one another. Attrition scrubbers, also known as Attrition Cells, are relatively simple devices. They consist of a tank, impeller system and drive system. Generally, the tank is PE lined and can be either square or octagonal. The impeller system is PE coated and normally consists of two sets of impellers with opposing pitches. The v-belt drive system is designed to effectively transmit the power to spin the shaft and impellers. The most important function of the attrition machine is the scrubbing of particle surfaces to remove film or coating.

Application

GTEK's versatile attrition scrubber is specially developed for a vast range of applications:

- Cleaning of silica sand for glass making;
- Liberation of mineral from slime coatings;
- Disintegration of clay agglomerates;
- Separation of sand grains from cement minerals;
- High intensity conditioning;
- Efficient lime slaking.

Features & Benefits

1. Low power consumption, strong scrubbing ability
2. Ease of operation, lower operating and maintenance cost
3. Simple structure, large effective volume and small occupation area
4. Minimal wear, longer life

Technical Specification

Model	Impeller Diameter (mm)	Motor Model	Power (kW)	Dimensions (LxWxH) (mm)	Weight (kg)
2*0.25m ³	240	352	0.55	700x700x750	660
2*0.5m ³	320	400	1.1	920x820x950	890
2*1m ³	480	312	1.5	1100x1100x1100	2410
2*2m ³	520	268	1.5	1700x1600x1150	6210
2*4m ³	770	238	1.5	1850x2050x1200	14560