

AGITATING

High-efficiency Agitation Tank

Principle

The rotation of the impeller drives the flowing of the slurry, which makes the mineral grains and the agents mix well.

Features

Big diameter impeller and strong agitation capability of the slurry and agent.

Big linear velocity impeller and strong agitation capability of the slurry and agent.

Umbrella-shaped impeller enhances the agitation and circulation capability of the slurry and agent.

With the agitation capability enhanced, the circulation capability of the slurry and agent will also be enhanced.

With a baffle equipped in the tank, strong negative pressure is compressed in a limited space which improves the suction capability and enhances the circulation capability of the slurry and the agent.

The running down pressure of the umbrella-shaped impeller.

Enhances the suction capability and the circulation capability, and further enhances the circulation capability of the agent and ores with the sprayer equipped at the lower part of the baffle.

Only 100% agent of the ore surface ensures higher index.

Application

Used for the slurry agitation before the flotation operation.

Technical Parameters

Model	Effective Volume (m ³)	Rotating Speed of Impeller (r/min)	Diameter of Impeller (mm)	Motor Model	Motor Power (kW)	Weight (kg)
GBJ-1000 × 1000	0.58	530	240	Y112M-6	2.2	548
GBJ-1250 × 1250	1.15	350	240	Y100L2-4	3	820
GBJ-1500 × 1500	2.2	320	420	Y132M2-6	5.5	1350
GBJ-2000 × 2000	5.46	240	560	Y160M-6	7.5	3173
GBJ-2500 × 2500	11.2	232	560	Y180L-6	15	3939
GBJ-3000 × 3000	19.1	220	700	Y225S-8	18.5	6676
GBJ-3500 × 3500	31	248	700	Y225M-8	22	7581
GBJ-4000 × 4000	45	153	1000	Y250M-8	37	9560



High-temperature Agitation Tank

Applicable for the ore slurry agitation which needs heating and heat preservation, with the peculiar high-temperature resistant inner and the asbestos insulation materials filled into the interlayer.

Technical Parameters

Model	Diameter (mm)	Height (mm)	Volume (m ³)	Proportion of Slurry (t/m ³)	Power (kW)	Weight (kg)
SJJ2.5-2.5	2500	2500	11	≤ 1.6	11	3087
SJJ3.5-3.5	3500	3500	30	≤ 1.4	30	5997