

XJB Rod type Flotation machine



Description:

A bar flotation cell with self-air suction and mechanical agitation. There is a convex bench and an arc-shaped steady flow plate. The convex bench works

as the guide groove, which makes the mixture of air and slurry rush to the bottom of tank. And then with the steady flow plate the mixture spreads in the tank uniformly, moving in the shape of W.

Flotation cell is widely used for roughing, concentrating and reverse flotation of nonferrous metals that include copper, lead, zinc, nickel and molybdenum, ferrous metal and nonmetallic minerals.

Production capacity : Flotation cell is widely used for roughing, concentrating and reverse flotation of nonferrous metals that include copper, lead, zinc, nickel and molybdenum, ferrous metal and nonmetallic minerals.

Applicable material : Big density, coarse ore particles, especially for lead, zinc, copper, molybdenum, sulfur, and silicon sand .

Feature:

1:The stirring strength of XJB flotation cell is strong. With good slurry gas trajectory, it is especially suitable for the flotation of heavy, fast settling, and coarse mineral materials.

2:It has special steady plates, which are composed by many curved blades with different lengths welded on the liner. It makes the mixture of slurry and air even distributing everywhere in the tank and avoids slurry rotating in the tank.

3:Large amount of air inflation, strong stirring force, and high dispersion of bubbles.

4:Even distribution of slurry, air and reagent

5:Fast speed of flotation

TECHNICAL PARAMETERS

Model	Tank Type	Effective Volume(m ³)	Capacity(m ³ /min)	Impeller Diameter(mm)	Impeller Rotation Speed(r.p.m)	Motor P ower for Agitatio n(kw)	Motor P ower for Scrape r(kw)
XJB-1	Suction Tank	1	1.5-1.7	400	440	5.5	1.5
XJB-1	Direct	1	1.5-1.7	410	410	4	0.8

	Flow Cell						
XJB-1D	Suction Tank	1	1.5-1.7	400	440	5.5	1.5
XJB-1D	Direct Flow Cell	1	1.5-1.7	410	410	4	0.8
XJB-2	Suction Tank	2	1.5-1.4	450	360	15	1.1
XJB-2	Direct Flow Cell	2	1.5-1.4	540	360	11	1.1
XJB-2D	Suction Tank	2	1.5-1.4	450	360	15	1.1
XJB-2D	Direct Flow Cell	2	1.5-1.4	540	360	11	1.1
XJB-4	Suction Tank	4	2.0-4	700	280	18.5	1.1
XJB-4	Direct Flow Cell	4	2.0-4	510	280	18.5	1.1