

▶ Lifting Agitation Tank

Principle

The high-speed rotation of the centrifugal impeller produces a negative pressure in the impeller center, and the cylinder block, at the bottom of the impeller, sucks the outside slurry into the tank, which makes the surface level growing continuously. When it's up to a certain level, it will flow out along the overflow pipe, and then enhances the lifting capability.

Features

Use wear-resistant rubber vane.

The height of agitation can be set according to the requirements of the clients.

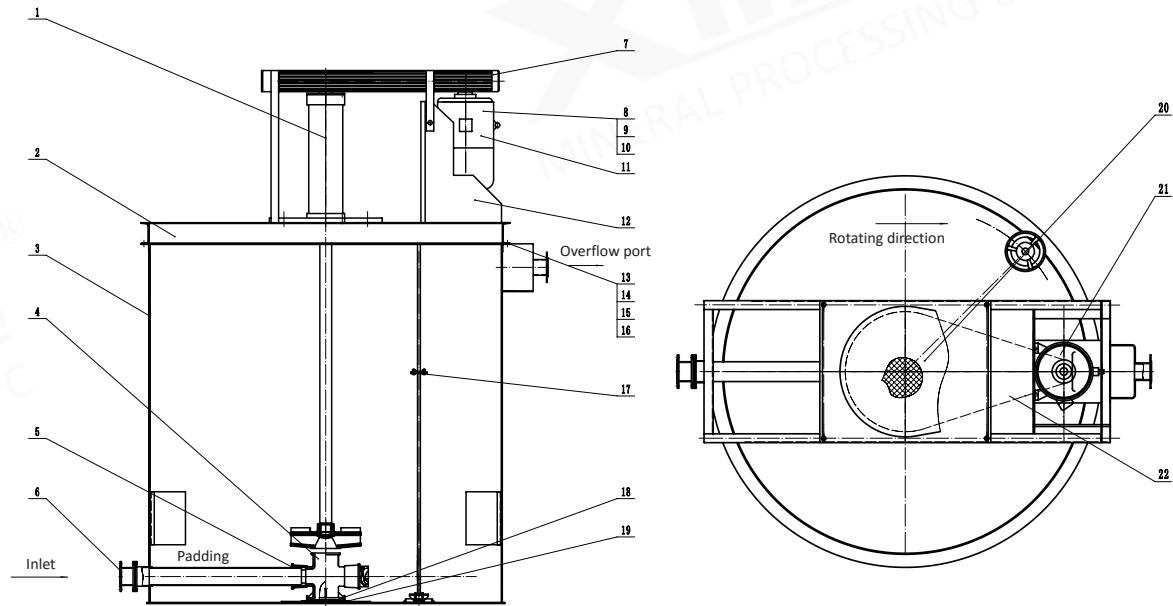
Application

This kind of equipment can be used when the dispersion of the slurry is too big because of the equipment configuration, or the dispersion is too small to pump up.



Technical Parameters

Model	Diameter of Tank (mm)	Tank Depth (mm)	Effective Volume (m ³)	Rotating Speed of Impeller (r/min)	Diameter of Impeller (mm)	Height of Lifting (mm)	Motor Model	Motor Power (kW)	Weight (kg)
TBJ-1000	1000	1266	0.9	460	300	980	Y132M2-6	5.5	700
TBJ-1250	1250	1510	1.396	460	400	1220	Y160M-6	7.5	780
TBJ-1500	1500	1800	2.8	464	450	1470	Y160L-6	11	1022
TBJ-2000	2000	2000	5.8	312	600	1570	Y200L1-6	18.5	3122
TBJ-2500	2500	2500	11.5	310	600	2070	Y225M-8	22	3760



■ Structure Drawing of Lifting Agitation Tank

- Notes:
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|-----------------------|-------------------------------|----------------|-------------------------|------------|
| 1. Vertical shaft | 2. Support beam frame | 3. Tank body | 4. Pulp bearing | 5. Padding |
| 6. Sand inlet pipe | 7. Safety guard | 8. Bolt | 9. Nut | 10. Washer |
| 11. Motor | 12. Motor base | 13. Bolt | 14. Nut | 15. Washer |
| 16. Washer | 17. Valve gate of sand outlet | 18. Base plate | 19. Limited angle steel | 20. Bolt |
| 21. Motor belt pulley | 22. V-belt | | | |