Disc Zinc Powder Feeder

Principle

The structure and working principle of the disc zinc powder feeder is basically as the same as that of the common disc feeder, and is mainly composed of 3 parts including zinc powder hopper, disc and transmission device.

Features

Because of the less amount of the zinc powder, the disk diameter is generally 140~170mm and the rotating speed is about 1r/min. It has the feature that the zinc powder feeding amount can be adjusted according to the capacity and the gold grade of the solution. The equipment is driven by the motor through the V belt and the secondary worm gear reducer, drives the disc on the central shaft to rotate. The powder materials fed into the hopper fall down to the disc by the gravity, and are discharged from the outlet by the scraper as the disc rotates.

Application

It is applicable to the zinc powder replacement process to fill the zinc powder evenly and continuously into the mixer filled with pregnant solution. In addition, it is also widely used for continuous and even feeding of powder materials in the industries such as mineral processing, chemical, pharmaceutical and food.

Technical Parameter

Disc Type	Disc Diameter (mm)	Rotating Speed of Disc (r/min)	Feed Size (mm)	Feed Amount (kg/h)	Motor Model	Motor Power (kW)	Weight (kg)
ϕ140	140	1.13	0~2	1.5~2.4	Y801-4	0.55	65
ϕ170	170	1.14		1.5~3.6			76

Power-driven Zinc Powder Mixer

Technical Parameters

Model	Diameter of Hopper (mm)	Motor Model	Motor Power (kW)	Weight (kg)
DXH-510	510	A06324	0.25	180

Air Lifter

Technical Parameters

Model	Spec. of Suction Pipe (mm)	Spec. of Air Pipe (mm)	Scope of Application
KT60	ϕ50×2.5	DN20	SJ2.0×2.5，SJ2.5×2.5，SJ2.5×3.15，SJ3×3.15，SJ3×3.5，SJ3.15×3.55
KT100	ϕ108×4	DN25	SJ3.55×4，SJ4×4.5，SJ4.5×5，SJ5×5.6，SJ5.5×6，SJ7.5×8，SJ8×8.5
KT125	ϕ133×4	DN32	SJ8.5×9.0，SJ9×9.5，SJ10.5×11
KT150	ϕ159×4	DN40	SJ12×13

Note: The length of carbon suction pipe and air pipe varies by the specification of leaching tank.