Operation Manual of BJ-2S spiral feeder

A simple introduction

Bj-2s spiral feeder is suitable for conveying powder and granular materials in food, medicine, chemical, plastic and other industries. It can be used with other equipment to realize automatic feeding, or it can be used in other occasions alone. The machine can be designed for horizontal, tilt, vertical and other positions of continuous transport, specific customized according to customer requirements.

Detailed instruction

Product overview of BJ-2S spiral feeder

Screw feeder is suitable for conveying powder and granular materials in food, medicine, chemical, plastic and other industries. It can be used with other equipment to realize automatic feeding, or it can be used in other occasions alone. Do not need foundation foundation, make full use of workshop space. The machine is made of stainless steel except motor, reducer, shaft sleeve, gasket and electrical switch. Can be moved at will, in horizontal, tilt, vertical and other positions can be continuous transport, it has good sealing, no dust leakage.

Technical features of BJ-2S spiral feeder

1. The machine is a non-base fixed type, which is connected in turn by driving motor, reducer, hopper, mounting frame and screw, and is integrated as a whole.

2. The shaft end is connected with the screw by hinge. The screw is divided into two sections.

3.The shell of the machine by the stainless steel pipe through the flange will be connected as a whole, so the overall rigidity is good, can choose any working condition, and can be dismantled and moved at will.

4. The inlet and outlet of the material can be made into the required tilt Angle according to the working situation, and connected and fixed with other supporting equipment.

5. The screw of the machine adopts variable pitch to ensure smooth feeding and non-clogging material. The spiral surface of the blade is smooth, with low friction and good conveying condition.

6.Induction device can be installed to automatically control the material level of the supporting equipment, so as to improve the automation level.

Technical parameters

Bin capacity: 210L equipment material: high quality stainless steel lFeeding height: 1900mm Cylinder diameter: Φ114 mm motor power: 1.5 KW / 110 v lose send quantity: 2 m after an hour equipment specification: 2520 * 815 * 2160 mm (length x width x height) equipment weight: 120 kg

Note:

1. The above parameters may change according to the needs of the project.

2. The machine can be designed for horizontal, tilt, vertical and other positions of continuous delivery, specific customized according to customer requirements.

3. It is not suitable to transport materials that are easy to degenerate, viscous and agglomerate.

4. The working environment temperature of the machine is usually -20 ~ 40℃, and the temperature of conveying materials is generally -20 ~ 80℃.

5. Photo display of BJ-2S screw conveyor

6.If you want to know more details about the screw conveyor or videos of conveying various materials, our company will arrange professionals to show you the physical appearance of the machine online and record the video when the sample is processed by this machine.

The operation method of the equipment is as follows:

1. Turn on the two-gear selector switch on the panel of the feeding electrical control box. This switch is a two-way switch; turn "left" to "on" and "right" to "off".

2. When the machine is turned on, observe whether the feeding motor is turning correctly. If not, stop immediately and change the power phase to change the turning.

3. When the material is put into the silo, it can be lifted by screw under the power of the feeding motor, and the material is discharged from the outlet into the blender or storage silo.

Please see the flange screw position on the machine's live link for installation. The screw position of the reducer is in the key position.Pay attention to butt joint during installation

The following details should be paid attention to during the use of the equipment:

1) It shall start without load, that is, it shall start when there is no material in the bin, and only feed to the screw machine after starting. Abnormal phenomena occurring in the operation of the screw feeding machine should be checked and eliminated, and cannot be forced to operate.

2) In order to ensure the requirements of starting the screw feeder without load, the conveyor should stop feeding before stopping, and stop running only after the materials in the bin have been completely discharged.

3) The conveying materials shall not be mixed with hard bulk materials to avoid the screw sticking and causing damage to the screw machine.

4) During the initial feeding, the feeding speed shall be gradually increased until the rated conveying capacity is reached, and the feeding shall be uniform, otherwise it will easily become the plug of conveying materials, and the driving device will be overloaded, which will cause early damage of the whole machine

5.Always check the working state of all parts of the screw machine in use, and pay attention to whether the fasteners are loose. If it is found that the parts are

loose, tighten the screw immediately and make it tight again. Special care should be taken to ensure that the screws between the helical coupling shafts are loosened, dropped or cut, and stop immediately.

After the screw feeder is started, it needs to observe for a while before proceeding with the following operation. Issues to watch out for after startup:

1, When the motor is started, observe the current. If it is found to be normal, it can be sent to the screw conveyor.

2,In order to prevent metal debris into the pipe body of the screw feeding machine, the feeding mouth of the screw feeding machine should be added with a screen.

3, When feeding, should gradually increase the feeding speed has reached the rated conveying capacity, feeding must be uniform, and maintain a certain amount of filling, as far as possible to avoid intermittent feeding, otherwise it is very easy to cause the conveying material of the plug, drive device overload, will reduce the service life of the conveyor.

4. Feeding shall be stopped before the screw loading machine stops, and the machine can be stopped only after the material in the bin is completely discharged. There should be no large and hard material in the input material to avoid damage of screw feeder caused by screw sticking.

5.Each part of the connection part should not have the phenomenon of dust and air leakage, should keep it tight.

6.Each part should add lubricating oil frequently. Maintain normal lubrication, regular inspection and maintenance can prolong the service life of screw feeder

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