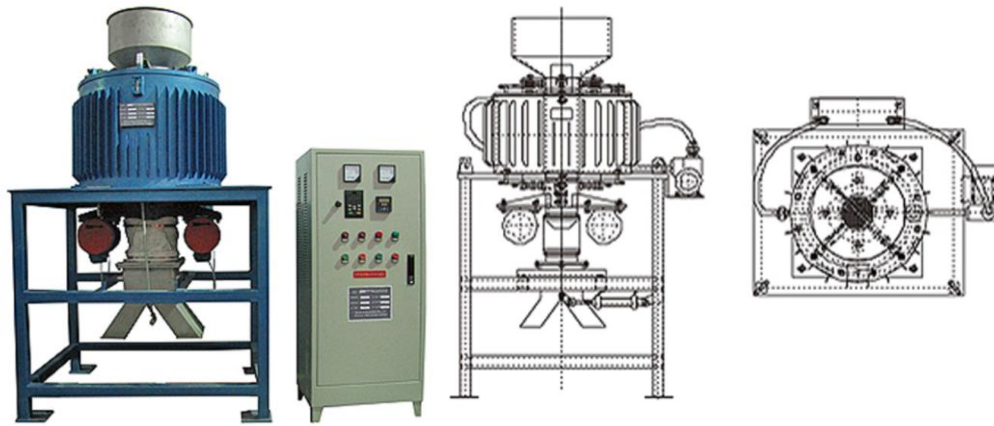


DCZ type automatic magnetic separator for electromagnetic dry powder



The description of DCZ electromagnetic dry powder automatic magnetic separator

DCZ electromagnetic dry powder automatic magnetic separator is suitable for the removal of ferromagnetic materials in powder materials, such as ceramic powder, quartz sand, potassium feldspar, bauxite and other mineral powder, chemical, electronic, food, medicine and other industries after 10-500 kinds of powder materials.

1. The high voltage test of the electromagnetic winding on the body: the withstand voltage is 50Hz., the AC test voltage 2000V is 1s without breakdown.
2. The insulation resistance of the electromagnetic winding to the body is less than 10M ohm in the cold state.
3. 25# transformer oil is used as the insulating oil of the electromagnetic winding, and the oil temperature and temperature rise is less than 60 degrees Celsius.
4. The iron mesh is made of stainless steel and high magnetic conductive material. The magnetic properties are higher than 15% of the excitation magnetic field strength.
5. The contact area between the body and powder is SUS304 material.
6. Safe and reliable grounding facilities and perfect safety protection devices.
7. Fully automatic iron removal features, convenient and quick cleaning, save working time.
8. In the aspect of structural design and manufacturing process, a series of effective measures have been adopted to prolong the service life of the machine.
9. The electrical equipment of this equipment can completely guarantee the safety and reliability of the human body. Long life, convenient maintenance.

Main technical parameters:

| Project | Parameters | | | | | | | |
|--|--|---------|---------|---------|---------|---------|---------|---------|
| Item. No. | DCZ-100 | DCZ-150 | DCZ-200 | DCZ-250 | DCZ-300 | DCZ-350 | DCZ-400 | DCZ-500 |
| Feeding diameter | DN100mm | DN150mm | DN200mm | DN250mm | DN300mm | DN350mm | DN400mm | DN500mm |
| Initial current | 4A | 6A | 10A | 14A | 20A | 24A | 29A | 37A |
| Heat balance current | 3A | 5A | 8A | 12A | 18A | 22A | 27A | 35A |
| Excitation power | 1.6kw | 2kw | 3.8kw | 5kw | 7.5kw | 9kw | 11kw | 14kw |
| Processing capacity | 0.2-0.5T | 0.5-1T | 1-2T | 2.5T | 3T | 3.5T | 4T | 5T |
| Weight | 220kg | 300kg | 560kg | 800kg | 1100kg | 1370kg | 1650kg | 2100kg |
| Input voltage | AC380V | | | | | | | |
| Vibration power | 0.37kw × 2 sets | | | | | | | |
| Magnetic field intensity | 10000-20000GS (determined according to material properties and magnetic separation requirements) | | | | | | | |
| Cooling mode | Internal oil circulation system | | | | | | | |
| Note: Processing capacity varies according to material size, iron content, specific gravity, moisture content and other factors, and the actual situation shall prevail. | | | | | | | | |

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