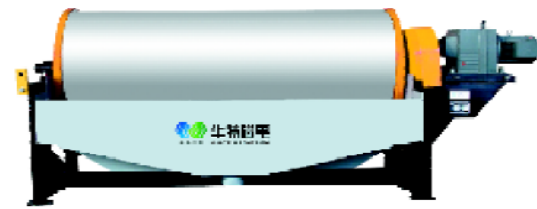


Series HMDC High Magnetic Field Separator

Specification

English Version
For reference only

General Introduction The HMDC serious high magnetic field separator is a kind of countercurrent drum magnetic separator designed to recovery magnetic medium specially.



Features With the computer-simulating design, form strong magnetic force and high gradient magnetic system, magnetic wrap angle is 138°. The reasonable structures of the equipment, which can produce rational mineral pulp flow, remarkably enhance the recovery rate of magnetic minerals.

Reclaiming Rate for Heavy Material The containing percentage for heavy material (magnetism) in the tailing should be no more than 0.26kg/m³ (Normally it should be less than 0.13kg/m₃). HMDC serious can achieve reclaiming rate for heavy material as following:

| containing percentage of heavy material in feeding pulp | reclaiming rate for heavy material |
|---|------------------------------------|
| 87-130 kg/m ³ | 99.7% |
| 130 and 260 kg/m ³ | 99.8% |
| above260kg/m ³ | 99.9% |

Parameter for Recovering Heavy Media

| Model | Magnetic System | Mineral Pulp Volume | Mineral Concentrate Volume | Feed Density | The Composition Requirement for Feeding Pulp (percentage for solid Material) | |
|-----------|---|----------------------------|----------------------------|--------------|--|------------------------------|
| | | | | | Percentage for Magnetics | Percentage for Non-Magnetics |
| | | | | | Min. Recommend | Max Recommend |
| | | Countercurrent (Recommend) | | | | |
| | mm | m ³ /h | Ton/h | % | % | % |
| HMDC-918 | 800Gs , 7 main magnetic poles, | 165 | 25 | 10-25 | 13 | 12 |
| HMDC-921 | 2 added magnetic poles. | 190 | 30 | 10-25 | 13 | 12 |
| HMDC-924 | The angle of contact for magnetic system 138° | 220 | 35 | 10-25 | 13 | 12 |
| HMDC-927 | | 245 | 40 | 10-25 | 13 | 12 |
| HMDC-930 | | 275 | 45 | 10-25 | 13 | 12 |
| HMDC-1221 | 800Gs , 9 main magnetic poles, | 230 | 55 | 10-25 | 13 | 12 |
| HMDC-1224 | 3 added magnetic poles. | 260 | 65 | 10-25 | 13 | 12 |
| HMDC-1230 | The angle of contact for magnetic system 138° | 330 | 80 | 10-25 | 13 | 12 |

Dimension Table

| Model | Drum Size (D x L) | Model Dimension L x W x H | Motor Power | Unit Weight |
|-----------|-------------------|---------------------------|-------------|-------------|
| | mm | mm | kW | kg |
| HMDC-918 | 914 x 1834 | 3050x1827x1605 | 4.0 | 2360 |
| HMDC-921 | 914 x 2138 | 3355x1827x1605 | 4.0 | 2650 |
| HMDC-924 | 914 x 2442 | 3660x1827x1605 | 4.0 | 2830 |
| HMDC-927 | 914 x 2746 | 3995x1827x1605 | 5.5 | 3260 |
| HMDC-930 | 914 x 2980 | 4220x1827x1605 | 5.5 | 3650 |
| HMDC-1221 | 1219 x 2138 | 3475x2150x1910 | 5.5 | 3350 |
| HMDC-1224 | 1219 x 2442 | 3910x2150x1910 | 5.5 | 3760 |
| HMDC-1230 | 1219 x 2980 | 4470x2150x1910 | 7.5 | 4500 |