

## RCY-C Series separator

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### 1. Summary

Attractive force can only happen on ferrous materials in the non-equal magnetic field. The attractive force (F) is proportional directly to the product of the magnetic intensity (H) and the magnetic gradient ( $\frac{\partial H}{\partial L}$ ). We consider both the two parameters above-mentioned are important in our designing this kind of equipment.

The magnetic curves can be concentrated under the equipment because of the unique magnetic circuit specially designed. This kind of equipment has not only high magnetic gradient, but also high magnetic intensity at the suspension height rated under the equipment. Even at the same magnetic intensity, the magnetic gradient of this kind of equipment is superior. Ferrous iron in different shapes, from 0.1kg to 35kg in weight can be caught

### 2. Structure

Magnetic separators are divided into two kinds according to different discharging method: Automatic discharge and humanly discharge.

Automatic discharge magnetic separator (1) (RCY-C): made of magnetic system and frame, discharging belt, driven drum, pulley, motor, motor and speed reducer compose a whole, and to drive the chain, wheel, driven belt and scraper to discharge iron automatically. (2) (RCY-P II): The speed reducer is placed on the middle of bridging beam. This structure saves the space, which is suitable for stricture working space and



































