

Spiral Separator

Spiral separators feature a simple structure and reliable working condition for convenient operation. They classify materials based on the principle that solid particles with different sizes and proportions have different falling speeds in liquid.



ADDITIONAL IMAGES



General Overview



A high-quality spiral separator unit designed for efficient mineral processing and density-based material classification.

High-Efficiency Spiral Separator

The Spiral Separator is an essential piece of equipment for ore beneficiation, designed to classify materials based on the varying falling speeds of solid particles in liquid. It effectively filters powdery particles, returning coarse materials to the grinding mill while discharging fine particles. Known for its simple structure, reliable performance, and convenient operation, this machine is a critical component for optimizing mineral processing workflows.

Applications

Typical Applications

Ore beneficiation, Closed cycle with ball mill, Ore sand classification, Fine silt classification, Metal ore beneficiation, Ore washing

Technical Data

Model Specifications

Model	Diameter (mm)	Speed (r/min)	Weight (t)
FG-3	300	12-30	0.7
FG-5	500	8-12.5	1.9
FG-7	750	6-10	3.1
FG-10	1000	5-8	4.9
FG-12	1200	4-6	8.5
FG-15	1500	4-6	12.5

Key Features

- Simple and robust mechanical structure
- Reliable operational condition
- Convenient and easy maintenance
- High enrichment ratio
- Low operating costs