

Mineral Flotation Separator

This flotation machine is used in different metal beneficiation lines within mining projects. It improves grade and recovery by separating valuable minerals from gangue.



ADDITIONAL IMAGES



Overview

Professional Mineral Flotation Separation

This industrial flotation machine is designed for the efficient separation of non-ferrous, ferrous, noble, and non-metallic minerals, as well as chemical materials. It utilizes a sophisticated process of mixing pulp and medicaments to create mineralized bubbles, which are then scraped from the surface to reclaim valuable ore. Featuring a robust design with closed double-section cone impellers, this equipment ensures strong down-circulation, low energy consumption, and reliable performance for roughing, scavenging, and fine separation tasks.

Key Features

Operational Advantages

- Closed double-section cone impeller for strong down-circulation
- Customized air inlet for reduced energy consumption
- Rotational ore pulp circulation to minimize coarse sand sediment
- Automatic and electric pulp level control for easy adjustment
- International standard quality construction

Technical Specifications

Performance Metrics

1 m³

Min Volume

8 m³

Max Volume

0.2 m³/min

Min Capacity

8 m³/min

Max Capacity

Model Specifications

Model	Volume (m ³)	Impeller Dia (mm)	Capacity (m ³ /min)	Weight (kg)
XCF-1	1	400	0.2-1	1154
XCF-2	2	450	0.2-1	1659
XCF-3	3	540	0.6-3	2259
XCF-4	4	620	1.2-4	2669
XCF-8	8	720	2-8	3668

Applications

Suitable Processes

Roughing, Scavenging, Selection, Reverse Flotation

Compatible Materials

Non-ferrous metal, Ferrous metal, Noble metal, Non-metallic mine, Chemical material