

# Mineral Flotation Separator

The flotation machine separates minerals by exploiting differences in wettability, using foam and mechanical equipment. This equipment is essential for the flotation process, significantly impacting the flotation effect.



## ADDITIONAL IMAGES



## Product Overview

### Mineral Flotation Separator

This mineral flotation separator is essential equipment for separating valuable mineral particles from gangue by exploiting differences in their surface wettability. The system utilizes a robust impeller-driven design to generate negative pressure, effectively mixing pulp with air and reagents to create mineralization foam. Designed for high efficiency, it allows operators to precisely control liquid levels and foam extraction, ensuring optimal mineral recovery across a wide range of ferrous and non-ferrous applications.

#### Suitable Materials

Copper, Zinc, Lead, Nickel, Gold, Manganese, Titanic Iron Ore, Apatite, Fluorite, Talc

## Operational Details

### Performance Metrics

**24 m<sup>3</sup>**

Max Volume

**24 m<sup>3</sup>/min**

Max Capacity

**45 kW**

Max Power

## Technical Specifications

### Model Specifications

Model	Volume (m <sup>3</sup> )	Capacity (m <sup>3</sup> /min)	Power (kW)	Weight (kg)
BF-0.37	0.37	0.2-0.4	1.5	470
BF-0.65	0.65	0.3-0.7	3.0	932
BF-1.2	1.2	0.6-1.2	5.5/4.0	1370
BF-2.0	2	1.0-2.0	7.5	1750
BF-2.8	2.8	1.4-3.0	11	2130
BF-4.0	4	2-4	15	2585
BF-6.0	6	3-6	18.5	3300
BF-8.0	8	4-8	22/30	4130
BF-10	10	5-10	22/30	4660
BF-16	16	8-16	37/45	8320
BF-20	20	10-20	37/45	8670
BF-24	24	12-24	45	8970