

Mineral Flotation Separator Tank

This flotation cell is used for separating various metals and minerals through coarse, fine, and swept separation processes. It features self-absorption pulp ability, a horizontal configuration, and does not require a foam pump.



Product Overview

Mineral Flotation Separator Tank

This flotation cell is engineered for the efficient separation of non-ferrous, noble, and black metals, as well as non-metal minerals. It utilizes advanced air flotation technology to facilitate coarse, swept, and fine separation processes, ensuring maximum recovery of useful ore. Designed for durability and ease of maintenance, this tank is built to withstand demanding industrial environments while maintaining consistent performance.

Key Features

Operational Advantages

- High inspiratory capacity with low energy consumption
- Self-absorption pulp ability eliminates the need for foam pumps
- Horizontal configuration for efficient flow
- Low impeller line speed extends wear part life cycle
- Optimized gap between impeller and stator reduces maintenance impact

Slurry Flow Dynamics

Fixed up and down double loop flow system designed to keep coarse-grained minerals suspended effectively.

Applications

Suitable Materials

Non-ferrous metals, Noble metals, Black metals, Non-metal minerals, Chemical industry raw materials