



Technical resources

Hanging tank flotation machine

Model: GFX

<https://www.tencanballmills.com/en/products/research-equipment/hanging-tank-flotation-machine.html>

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Hanging tank flotation machine

Model: GFX

Laboratory hanging tank flotation machine for stirring, scrubbing, and separating small mineral samples. Ideal for geology, metallurgy, building materials, and chemical industries.

Technical specifications

Capacity	5-100 g
Ore feed particle size	0.05-0.2mm
Volume	20~400ml

These specifications describe the series. Confirm the selected model, power supply and configuration before ordering.



分散系列

浮选机介绍

实验浮选机主用于分离黑色金属、有色金属、贵金属、化工原料和非金属矿物、回收有用矿物。该设备吸气量大、功耗低。叶轮带有后倾式的上下叶片。上叶片产生矿浆上循环，下叶片产生矿浆下循环。每槽兼有吸气、吸浆和浮选三重功能，自成浮选回路，不需任何辅助设备，水平配置,便于流程的变更.矿浆循环合理，能大限度地减少粗砂沉淀。此外，该设备还设有矿浆面的自控装置，能够方便调节。

分散系列

浮选机特点

实验浮选机主要用于有用矿物、分离黑色金属、有色金属、贵金属，非金属矿物和化工原料等实验使用。离精选细料嵌布的金、银、铜、铁、铅、锌、钼、镍、铝等金属矿物实验使用。

分散系列

浮选机原理

矿浆和药剂充分混合后给入浮选机的为本室的槽底下，叶轮旋转后，在轮腔中形成负压，使得槽底下和槽中的矿浆分别由叶轮的下吸口和上吸口进入混合区，也使得空气沿导气套筒进入混合区，矿浆、空气和药剂在这里混合。在叶轮离心力的作用下，混合后的矿浆进入矿化区，空气形成气泡并被粉碎，与矿浆充分接触，形成矿化气泡，在定子和紊流板的作用下，均匀地分布于槽体截面，并且向上移动进入分离区，富集形成泡沫层，由刮泡机构排出，形成精矿泡沫。

分散系列

浮选机优势

1. 主轴采用不锈钢材质,耐酸耐腐蚀作用,叶轮盖板材质为中硬耐酸橡胶;
2. 浮选槽材质为有机玻璃槽;
3. 刮板皮带为牛皮不易断裂;
4. 做工精细,外观整洁,喷漆均匀。

单槽浮选机: 做工精细, 价格便宜, 容易维修方便, 占地面积小

变频单槽浮选机: 变频调速, 叶轮无级调速, 液晶数字显示;

变频温控单槽浮选机: 主轴可变频无极调速, 温度控制, 液晶屏幕显示等。

分散系列

浮选机应用

实验室用单槽浮选机, XFD单槽浮选机, 变频单槽浮选机设计合理, 操作简单使用和维修十分方便, 直观效果, 计量准确, 是各地质、冶金、建材、化学工业实验室浮选少量矿样的理想设备。



矿产



地质



冶金



化工

分散系列

浮选机/细节









It is used for mixing and scrubbing in laboratories of mining and scientific research departments such as geology, metallurgy, building materials, and chemicals, and is especially suitable for separating and selecting small amounts of mineral samples.

Technical parameters

project		unit	GFX 5-35	GFX 50-100
volume		ml	20/60/100/140	200/400
capacity		gram	5/15/25/35	50/100
Impeller speed		change /point	0-2600	0-2600
Impeller diameter		mm	18/26/26/30	36/ 48
Spindle motor	model		YS-5612	YS-5612
	power		220V/ 380/ 90W	220V/ 380/ 120W
	Speed	change /point	2800	2800
Feeding particle size		mm	0.05-0.2	0.05-0.2

1. The flotation speed is fast and the selection index is good.
2. Adjustment is convenient and accurate, and operation is reliable.
3. Analysis of low-grade ore and rare mineral samples.
4. The enrichment ratio requires a small amount of mineral samples to be carefully selected.
5. Inflatable hanging tank flotation machine (optional), the hollow shaft is designed with large inflation volume, central inflation, and stepless speed regulation by frequency converter.

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Before operation, review the selected model's instructions and the material requirements.