

GTEK Laboratory Single Flotation Cell Brochure



XFD-I Model



XFD-II Model



XFD-III Model

Description

XFD Series Single Flotation Cell can be used for mixing, separation, cleaning, mineral sample concentration in the laboratory room of mineral processing plant, universities and research institutions, and also in geology, metallurgy, construction, chemistry, and coal industry.

XFD-I Single Flotation Cell

Technical Specification

Model	Cell Vol. (L)	Impeller Diameter (mm)	Impeller Speed (r/min)	Scraper Speed (r/min)	Feed Size (mm)	Pwr (W)	Wght (kg)	Dimensions (L×W×H)		
XFD-0.5	0.5	Φ45	2130/2340/2590	30	-0.2	180-250	30	360	260	700
XFD-0.75	0.75	Φ45	2130/2340/2590	30			30	360	260	700
XFD-1	1	Φ55	1700/1900/2590	30			35	360	260	700
XFD-1.5	1.5	Φ60	1590/1750/1910	30			40	490	280	800
XFD-3	3	Φ70	1544/1708/1890	30			50	490	280	800
XFD-8	8	Φ80	1400	30			80	700	360	760

XFD-II Single Flotation Cell

Advantages

- Converter technology, stepless speed adjustment of impeller and with LCD digital display;
- Easy and accurate adjustment, reliable operation;
- Liquid level and air filling volume adjustable, with speed digital display device and water make-up device.

Technical Specification

Model	Cell Vol. (L)	Impeller Dia. (mm)	Impeller Speed (r/min)	Scrapper Speed (r/min)	Feed Size (mm)	Pwr (W)	Wght (kg)	Dimensions (L×W×H)		
XFDII-0.5	0.5	Φ45	0-2780 stepless	15/30	0.04-0.25	120	30	360	260	700
XFDII-0.75	0.75	Φ45		15/30		120	30	360	260	700
XFDII-1	1	Φ45		15/30		120	30	360	260	700
XFDII-1.5	1.5	Φ45		15/30		120	32	490	280	800

XFD-III Single Flotation Cell

Advantages

As a new generation of XFD products, XFDIII Single Flotation Cell has the following features:

- Introduces converter technology, stepless speed regulation of impeller and digital display;
- Self gas suction is changed to gas inflation from outside. Accurate adjustment is available. Displaying is clear and stable;
- Equipped with micro-computer controlled heater, which is available for real-time adjustment and displaying of temperature. Ore liquid can be kept at optimal temperature level according to requirements.

Technical Specification

Model	Cell Volume (L)	Impeller Diameter (mm)	Impeller Speed (r/min)	Scrapper Speed (r/min)	Feeding Size (mm)	Weight (kg)
XFDIII-0.5	0.5	Φ45	0-2800 stepless	15	0.05-0.2	30
XFDIII-0.75	0.75	Φ45		15		30
XFDIII-1	1	Φ55		15		30
XFDIII-1.5	1.5	Φ60		15		30
XFDIII-3	3	Φ70		15		38