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Batch Froth Flotation Cell, 7 Liter Size

Sub-A

APPLICATIONS:

The batch flotation cell is a number 5 flotation cell converted to batch flotation testing. The froth paddle has been removed, to facilitate the overflow of froth into a receptacle. The cell has 1/4 Cubic Feet of usable volume (1.85 gallons or 7 liters), and using copper ore, will perform flotation tests using 1,600 g samples pulped at 20% solids. These units are designed for continuous trouble free 24 hour per day operation and will handle fine and coarse abrasive slurries.

The 7 liter batch froth cell will test the following batch sizes of dry solids at the respective percent solids:

At 10% solids, 680 g solids; at 15% solids 1,140 g solids; at 20% solids 1,600 g solids; at 30% solids 2,500 g solids.

ADVANTAGES:

Mechanism: Sub-Aeration mechanism induces and disperses air or gas in sufficient quantities for virtually all applications. External blower air can also be added, if desired. Gate valve assures positive control of air input to each cell. Lightweight, suspended type unit assembly. Enclosed ball bearing aluminum housing with dust cap. Machined standpipe assures accurate alignment. Impeller-diffuser clearances set at factory. Molded urethane impeller and diffuser assure long wearing life and permit close clearance setting for high aeration efficiency. They are easily replaceable whereas metal castings are virtually impossible to remove. Rotor speed is 1,300 rpm's.

Cells: The no.5 flotation cell has 1/4 cubic foot of usable volume, is designed for batch feed, and can be used in laboratory applications.

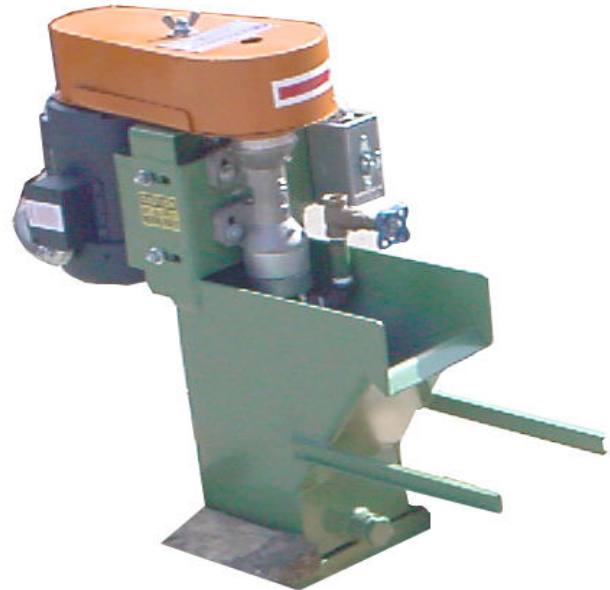
ELECTRICAL: Standard - 110-220 V/1 Ph/60 Hz or 220 V/1 Ph/50 Hz

DIMENSIONS: 15" x 7" x 20"(H)

WEIGHT: 150 Lbs.

CONSTRUCTION: Constructed of carbon steel, primed and coated with enamel.

NUMBER 5 FLOTATION CELL



BATCH VERSION SHOWN