

SKZ1030 Laboratory Flotation Cell



Flotation deinking method is based on the principle of mine ore, according to the fiber, filler and ink composition of wettable, flotation cell in the 10 to 150 micron ink particles adsorbed on the air bubbles, floating to the surface to remove the pulp, fiber and filler remained in the pulp.

It is mainly composed of a flotation tank, the circulation line, paper pulp pump, air bubble generating device, liquid discharging pipe.

Parameters:

1. Outfall up and down range of activities 0 ~ 100
2. Flow calculation control
3. Tank capacity: 28 liters
4. Treated pulp capacity: 280g dry pulp
5. Pulp concentration: 0.8% ~ 1.2%
6. Tank size: $\Phi 380 \times 380\text{mm}$
7. Tank material: stainless steel (1Cr18Ni9Ti)
8. Air requirement: the maximum amount of 95psi
9. Gas meter: 0.25 ~ 2.5 m³ / h adjustable
10. Flotation deinking Temperature range: 50 ~ 70 °C controlled adjustable
11. Heating power: 2.2KW Voltage 220V
12. Pulp material circulation: Stainless steel pump
13. Pump motor power: 750W Voltage 380V
14. Pump motor speed: 1400 r / min
15. Heat pump temperature: 0 ~ 100 °C
16. Pump rated flow rate 3.6 cubic meters / hour
17. Pump suction and discharge kinematic viscosity: 3000 centipoise (cp)
18. Tank size: $\Phi 380 \times 380\text{mm}$