Fine Sand Recovery System

This system effectively reduces sand loss and extends operational lifespan. It lowers cleaning costs, enhances efficiency, reduces sand piling time, and provides efficient, energy-saving operation.

ADDITIONAL IMAGES

Overview

Advanced Fine Sand Recovery

This fine sand recycling system is an environmentally conscious solution designed to recover fine particles from wastewater streams in aggregate processing, mining, and construction industries. By utilizing a high-efficiency hydrocyclone and dewatering screen, the system effectively separates fine sand from mud and liquid, significantly reducing material loss to within 5-10%. This process not only conserves resources but also lowers sedimentation basin workloads and operational costs, allowing recovered materials to be transferred directly to the market.

Key Advantages

Operational Benefits

- Reduces fine sand loss to 5-10%
- Recovers up to 95% of fine grain materials from effluent
- Durable polyurethane screen cloth resists blockage
- Lowers sedimentation basin maintenance costs
- Enables immediate material transfer to market

Technical Specifications

Model Specifications

Model	Capacity (m3/h)	Pump Power (kw)	Screen Area (m2)	Weight (kg)
BL-06-300	30-80	11	1.35	3945
BL-08-300	40-100	15	1.8	4200
BL-10-350	70-130	18.5	.25	4900
BL-12-550	100-220	22	3.6	7515
BL-12-650	120-272	30	3.6	7833
BL-14-750	180-350	37	4.2	9610
BL-14-750II	230-430	45	5.25	11850
BL-16-900	250-500	55	5.25	14300
BL-16-650	300-500	55	6.00	16700
BL-18-750	400-600	75	6.75	19680

Applications

Suitable Industries	Hydropower Aggregate Processing, Glass Raw Materials Processing, Artificial Sand Production, Environmental Engineering, Mining, Construction