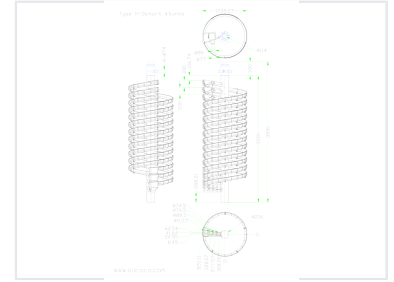
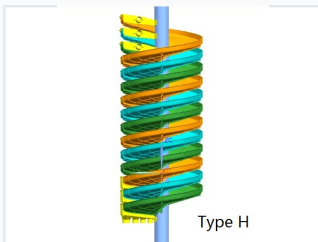


Spiral Concentrator for Mineral Processing

This spiral concentrator is designed for efficient mineral processing. It utilizes gravity separation to recover valuable minerals from ore.



ADDITIONAL IMAGES



Overview

High-Efficiency Spiral Concentrator

This advanced gravity separation equipment is designed to provide unparalleled performance for mineral processing circuits. Featuring modular cast polyurethane construction for extended service life, the system offers versatile configurations to suit various capacity and grade requirements. It delivers consistent separation efficiency with minimal operator attention, making it an ideal solution for low-cost, high-reliability mineral recovery.

Technical Specifications

ALICOCO SPIRAL CONCENTRATOR 'S SPECIFICATIONS

Items/Type	Type FG7	Type H	Type L	Type M	Type ML
Diameter	680mm	1230mm	1230mm	1230mm	1230mm
Pitch Space	380mm	590mm	710mm	590mm	590mm&710mm
Start number	Single/twin/triple	Single/twin/triple	Single/twin/triple/quad	Single/twin/triple	Single/twin/triple
Turns/start	5-12	3-12	3-12	3-12	3-12
Materials & Ambient temperature	Wear resistant Functional polymers - POLYURETHANE(PU) - 30°C --- 70°C; ENGINEERINGPLASTICSALLOY - 20°C --- 120°C; Service life: from 7 years to 20 years.				
Particle size	-2mm---+0.03mm	-0.3mm---+0.03mm	-0.3mm---+0.03mm	-0.3mm---+0.03mm	-0.3mm---+0.03mm
Pulp density	10%---55% w/w	10%---55% w/w	10%---55% w/w	10%---55% w/w	10%---55% w/w
Feed volume	2-3 steres/start	5-15 steres/start	5-25 steres/start	5-15 steres/start	5-15 steres/start
HM% in feed	0.01%---40%	0.01%---98%	0.01%---98%	0.01%---60%	0.01%---98%
Apply stage	Rougher Scavenger	Rougher Cleaner/recleaner Scavenger	Rougher Cleaner/recleaner Scavenger	Rougher Scavenger	Rougher Scavenger
Wash water	Inside Trough wash-water System is available as per order on some applications				
HMC Splitters	Trough Midway HMC Splitters is available. (each turn or each tow turns)				
Applications	Gold /Tin/tungsten/Chromite/Niobium-tantalum/Zircon/Rutile/Ilmenite/Silica-sand/Pumice-sand/Iron /Hematite/Garnet/Barite/Sillimanite/Andalusite/Titane magnetite/Manganese/Native copper/Base-metal				

PATENT NUMBER: World: CHINA 03113903K, 201120288083, 201120215456, 201120211523, 200620155975; AUSTRALIA 2012292866; INDIA 6194/Be/np/2013; SOUTH AFRICA 2013/06406; VIETNAM 1-2013-03557;

Technical specifications for Type H spiral concentrators.

Dimensions and Geometry

1230 mm

Diameter

590 mm

Pitch Space

3.89 m

Total Height

Operational Parameters

Parameter	Range
Particle Size	-0.3mm to +0.03mm
Pulp Density	10% to 55% w/w
Feed Volume	5-15 steres/start
HM% in Feed	0.01% to 98%

Features & Construction

Equipment Features

- Replaceable modular cast polyurethane feed box
- Concentrate diverter for high product grade
- Re-pulping devices for enhanced recovery
- Integrated engaged launder system
- Optional wash-water system available

Material Composition

Polyurethane (PU), Engineering Plastics Alloy, Wear-Resistant Polymers

Applications

Suitable Minerals

Gold, Tin, Tungsten, Iron Ore, Chromite, Zircon, Rutile, Ilmenite, Manganese, Garnet