



HC33 Spiral Separator



Overview

The HC33 spiral separator was conceived to fill an industry need for a high capacity model capable of treating feeds with a high proportion of high density particles such as iron ore, chromite or high grade mineral sand streams.

The HC33 can be utilised as either a wash-water or non-wash-water spiral, depending on the application. Comprising 6 turns, the HC33 incorporates 5 auxiliary slide splitters per trough as well as dart splitters at the bottom discharge. These features ensure that the HC33 is flexible in its duty and widely applicable to many different feed types.

Features

- Number of troughs per column – single, twin or triple
- Number of turns – 6
- Ergonomic, auxiliary concentrate slide splitters – 5 (per trough)
- Up to 4 products: concentrate 1, concentrate 2, middling and tailing
- Primary concentrate is collected via the centre column
- Secondary concentrate, middling and tailing cuts achieved with ganged dart splitters at the bottom
- Light, robust, modern materials of construction
- Highly wear resistant polyurethane on all working surfaces
- Replaceable wear liner components in high impact areas such as feed boxes and product boxes
- External wash-water distribution for easy access and maintenance

Design Data

Head Feed (per start)

| | |
|-------------------------|---|
| Capacity: | Typically 3 – 6 t/h per start, maximum 9t/h/start |
| Pulp Density: | Typically 30 – 50% solids |
| Size Range: | 0.03 – 2.0mm |
| Pulp Volume: | Typically 6 – 9 m ³ /h per start, maximum 12 m ³ /h/start |
| Wash Water Consumption: | 0 – 1.8 m ³ /h per start |

Operation Window and Performance



