

Left: Cavex® hydrocyclones feature a unique laminar spiral inlet geometry designed to deliver excellent efficiency and capacity, and longer wear life than conventional involute or tangential fed cyclone designs.

Above: The Cavex® 700CVX hydrocyclone.

Cavex® 700CVX Hydrocyclone

Designed to maximise throughput, the technologically advanced, high capability Cavex® hydrocyclones are also designed to deliver high overall plant capacity.

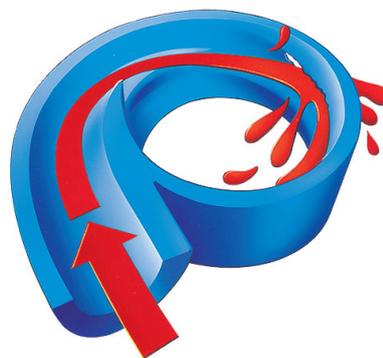
The Cavex® 700CVX hydrocyclone:

- Can achieve up to 50 per cent higher throughput capacity in comparison with any other competitor cyclones in the 26 inch diameter range due to its larger inlet and vortex finder configuration
- Is perfectly suited and sized to fit into existing cyclone clusters
- High efficiency and production combined with a minimal footprint makes the Cavex® 700CVX hydrocyclone ideal for new and existing installations



Cavex® Hydrocyclone

A controlled feed stream blends progressively and smoothly so turbulence is reduced throughout the hydrocyclone.



Conventional Hydrocyclone

Liner failure in conventional hydrocyclones is highly localised while major portions remain unworn.

Features

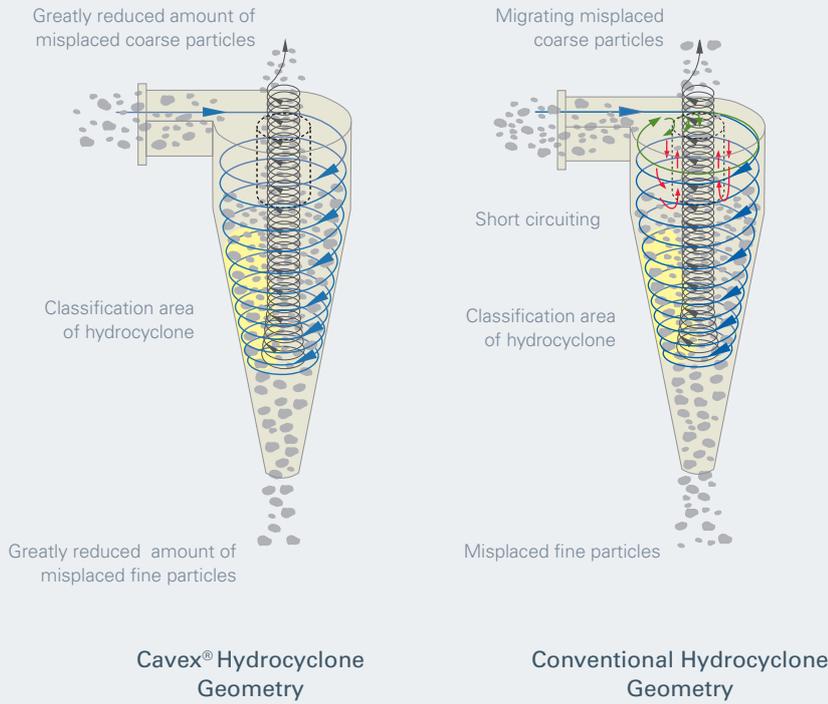
- Laminar spiral inlet geometry
- Fabricated steel or cast ductile iron casing
- Replaceable elastomer liners up to 45mm (1.77") thick. Ceramic lined lower cones available
- Rubber lined steel vortex finders
- Rubber or ceramic spigots
- Rubber lined steel overflow pipe or Air Core Booster cap

Applications

Designed for classification, dewatering, and desliming duties for the following industry segments:

- Mineral Processing
- Coal Processing
- Industrial Mineral
- Sand and Aggregate

Classification Efficiency: Cavex® Hydrocyclone vs. Conventional Hydrocyclone



Why Cavex® Hydrocyclones?

All Cavex® hydrocyclones feature a laminar spiral inlet geometry design that provides a natural flow path into the hydrocyclone. The unique shape has no shelves, edges or corners and allows the feed stream to blend smoothly with the rotating slurry within the chamber.

Cavex® hydrocyclones are designed for:

- High efficiency
- High capacity
- Easy maintenance

Higher separation efficiency

When turbulence is reduced, sorting efficiency is enhanced. As shown in the illustration (left), fewer misplaced fines report to the underflow with less coarse tramp material reporting to the overflow.

