

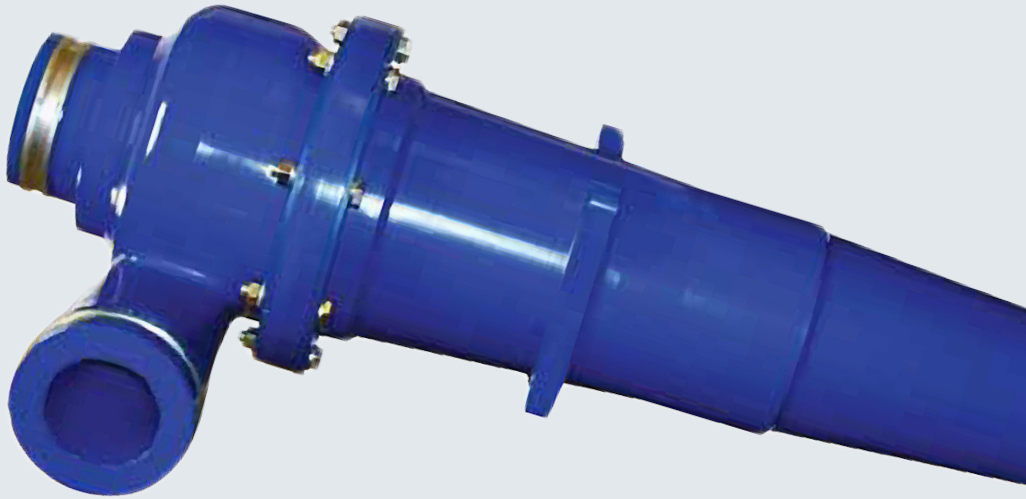
Cavex® Hydrocyclones

Polyurethane Hydrocyclones

Technical Specifications

WEIR

Minerals



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

Exceptional separation efficiency and resistance to corrosion

Cavex® polyurethane hydrocyclones are designed to be lightweight, corrosion resistant and low cost. They are ideal for use in clusters where a large number of hydrocyclones are required.

Solidly constructed to provide excellent separation efficiency, the polyurethane range of Cavex® hydrocyclones is offered by Weir Minerals in addition to our extensive range of both premium rubber and ceramic lined hydrocyclones.

Low operating costs

With no sharp edges or corners, the design improvements of Cavex® polyurethane hydrocyclones result in low operating costs and fewer hydrocyclones required for a given duty.

This innovative hydrocyclone is disposable once its internal components are worn which means relining is not required.

Design features

- Solid polyurethane construction
- Wide range of vortex finder and spigot sizes available
- The Cavex® shape provides excellent separation efficiency, hydraulic capacity and feed chamber wear life

Applications

Ideal for classification, dewatering and liquid/solids separation in:

- Grinding circuits
- Sand and gravel
- FGD/limestone
- Mineral concentrate
- Oil sands
- Coal classification

Available sizes

- 40mm diameter
- 100mm diameter
- 150mm diameter
- 250mm diameter



Left: Cavex® polyurethane 250CVX hydrocyclones ready for installation in South Africa.



Top: Cavex® 100CVX polyurethane hydrocyclone clusters at an iron ore mine in Brazil.

Bottom: Cavex® 100CVX polyurethane hydrocyclones for desliming applications in United States.

Complete customisation for optimal performance

Cavex® hydrocyclones are backed by the global Weir Minerals Services™ network, which means experts are there to support you, every step of the way, wherever you may be.

Our expert team will work with you to improve your throughput and cut rates.

We are on-hand to design clusters and systems to ensure your plant operates reliably at peak capacity.

Our expert team can design hydrocyclone clusters that retrofit into existing spaces to address operational and maintenance issues, and to maximise production.

Typical Physical Properties

Size range/dimensions	40mm - 250mm
Pressure class/power	0-250kPa
Maximum Temperature	70°C
Capacity	n/a