Hydrocyclones for Mineral Processing
Choose the GIW® Minerals Hydrocyclone for Mineral Processing Applications

Best in Market Safety and Serviceability

The features of the GIW® Minerals Hydrocyclone combine to ensure you the best in market safety and serviceability. It starts with a superior design featuring precision alignment and patented open cage design and drop in liners, so that you can reduce costly assembly time. Then, we use long wearing materials such as RBSiC, urethane and powder-coated steel to ensure the Hydrocyclone can stand up to tramp, oversize material and corrosion. Finally, details such as wear detection holes and safe, simple lift points take the guesswork out of installation and preventative maintenance. Select the GIW® Minerals Hydrocyclone for lower cyclone operating costs, easier maintenance and longer wear life.

The GIW® Minerals Advantage

1. Two sturdy lift points ensure safety and ease of installation and maintenance.
2. Only 7 bolts required for complete rebuild- 5 bolts to replace all parts, and 2 bolts to replace the apex.
3. Long wearing reaction bonded silicon carbide (RBSiC) and urethane construction provides superior resistance to tramp and oversize material, and powder-coated steel resists corrosion.
4. Eliminate unplanned outages with wear detection holes.
5. Tongue and groove mating surfaces between cones provide perfect alignment every time.
6. Reaction bonded silicon carbide (RBSiC) and urethane cones resist damage and last longer.

Applications

- Size classification
- Dewatering
- Cu, Pb, Zn, Fe, Ni, Mo
- Phosphates and agri-minerals
- Au, Ag, PGMs
- Aggregate processing
- Bitumen processing

Comparison of Traditional Cyclone & GIW® Minerals Hydrocyclone

Traditional 26" Cyclone
- Over 120 field assembly bolts
- Rubber liner- glued or vulcanized to metal housings
- Prone to premature damage from tramp material
- Optional: drop in ceramic inserts

GIW® Minerals Hydrocyclone
- 2 sturdy lift points
- Only 7 bolts required for complete rebuild
- Long wearing reaction bonded silicon carbide and urethane construction
- Eliminate unplanned outages with wear detection holes
- Tongue and groove mating surfaces between cones provide perfect alignment every time
- Reaction bonded silicon carbide and urethane cones resist damage and last longer.

Design Features
Whatever you need, it’s here:

GIW® Minerals offers a full range of Hydrocyclone sizes

Patented Long Wearing Ceramic and Urethane Design

Applications & Resistance:
- Acid, caustic & corrosive environments & services
- Severe abrasion
- High temperature
- Oil and hydrocarbon
- Phosphate/ potash

Benefits:
- Superior resistance to wear
- Reaction bonded SiC apex
- Superior resistance to tramp & oversize material
- No glue, no liners, no hassle
- GIW RBSiC resists wear better than traditional aluminum oxide or nitride bonded silicon carbide ceramics