Tornado Cyclones

High capacity and consistently efficient particle separation

Hydrocyclones are extensively used in the mineral industry for classification and beneficiation of ore minerals. With over 12 years of practical experience in manufacturing and supplying in mining and mineral processing equipment, Tega provides full technical & engineering support along with its wide range of cyclones.

Features

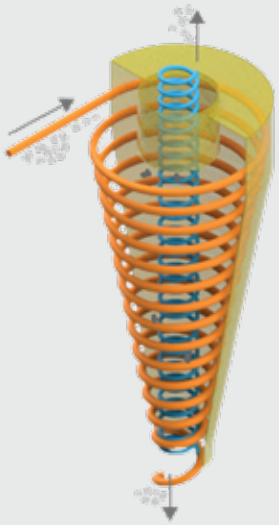
- Involute entry
- Modular design
- Different cone angles
- Light weight overflow pipe
- Simple fastening arrangements
- Radial/Manifold /Mushroom arrangement

Benefits

- Less turbulence, higher efficiency less wear, finer cut point
- Easy maintenance, flexibility
- Wide range of cut points
- Less Installation & maintenance time
- High range of abrasion resistance, longer life, wide application area
- Compact & efficient cluster design

Tega Hydrocyclone Performance

- Reduction in recirculation load to mill
- Deliver finer cut and sharper separation
- High-end design to improve life of cyclone parts
- Increased collection efficiency



Tornado
Cyclones

Application Areas for the Tornado Hydrocyclones include:

- Thickening and dewatering
- De-sliming
- Classification
- Benefication
- De-gritting
- Slurry transportation

Application Area

Iron Ore Industry

- Recovery from classifier slimes
- Recovery from cyclone overflow (extreme slimes)
- Beneficiation of feed to pellet plant
- Pre-concentration of feed to magnetic separator
- Reduction of carbonaceous materials
- Recovery of iron from old tailings

Gold Ore Processing Plants

- Classification in closed circuit grinding
- Free gold recovery from primary cyclone underflow
- Recovery of gold from plant tailing
- Backfill sand preparation

Alumina Refinery

- Hydrate classification
- Spent liquor/Weak soda recovery
- Sand separation

Chromite Ore Beneficiation Plants

- Beneficiation of chromite ore
- Dewatering/De-sliming

Coal Washery

- Beneficiation of coal fines
- Thickening of fine coal slurry
- De-sliming/Classification

Beach Sand

- De-sliming/Dewatering

Clay Industry

- De-gritting/Recovery of fine clay

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