

Hydro-Cyclone

Technical Data Sheet



HICTECH[®] Hydro-Cyclones are designed and manufactured to order, ensuring every cyclone is 'fit for purpose' prior to manufacture. The process evaluates the operating conditions of the plant in which the cyclone/s will be installed. This evaluation provides the required data which is then analysed through a dynamic processing model to determine the critical internal dimensions that are required for that particular **HICTECH**[®] Hydro-Cyclone design. This ensures optimum separation and efficiency is obtained once the **HICTECH**[®] Hydro-Cyclone/s are in operation and furthermore, ensures installation is trouble free. **HICTECH**[®] Hydro-Cyclones are manufactured to the highest quality standards and specifications, making them far superior to any other product in the market.

HIC Services offer complete cyclone management in addition to the sale of the **HICTECH**[®] Hydro-Cyclone/s, which delivers exceptional customer satisfaction and value. Facilitated by their experienced and reliable onsite service division, HIC Services will take control of your whole project, from the conception and/or evaluation stage, through to the manufacture, delivery, installation, maintenance and ongoing after sales service/support.

Features	Applications
Reliable and cost effective	Coal, iron ore, hard rock, gravel and sand
Specialised designs	Thickening
Interchangeable parts for increased lifespan	Desliming
Optimum separation and maximum efficiency	Classifying
Involute, evolute or tangential inlet options	De-watering
Reduced wear and turbulence	Reject

Physical Properties

Internal wear surfaces	Thicknesses	Type
Alumina 95% Al ₂ O ₃	6mm, 12mm, 25mm	HICTECH [®] Hydro-Cyclone
White Cast Iron Cr 27 HC / Cr Mo	10-50mm	HICTECH [®] Hydro-Cyclone
White Cast Iron NiCr1	10-50mm	HICTECH [®] Hydro-Cyclone
Silicon Carbide (RBSIC) – Spigot/Cone	6mm-20mm	HICTECH [®] Hydro-Cyclone
Polyurethane	6mm-20mm	HICTECH [®] Hydro-Cyclone

HIC Services are the leaders in wear prevention technologies, providing specialised products and services since 1978



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