

Dense Medium Cyclone (DMC)

Technical Data Sheet



The **HICTECH**[®] DM Cyclone is 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 will be installed. This evaluation provides the required data which is then analysed through a dynamic processing model. This determines the critical internal dimensions that are required for that particular **HICTECH**[®] DM Cyclone design, ensuring optimum separation and efficiency is obtained once the **HICTECH**[®] DM Cyclone is in operation and furthermore, ensuring installation is trouble free. **HICTECH**[®] DMC's 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 sale of the **HICTECH**[®] DM Cyclone, 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 evaluation stage, through to the manufacture, delivery, installation, maintenance and ongoing after sales service/support.

HIC Services also offer dynamic processing monitoring of Dense Medium Cyclone performance, through a partnership with Elsa Consulting Group, using pre-existing instrumentation facilities.

Features	Applications
Interchangeable parts for increased lifespan	Coal
Scrolled Evolute, Tangential, Involute inlet options	Iron ore
High capacity options	Chrome
Optimum separation and maximum efficiency	Diamonds
Reduced wear and turbulence	Lead / Ash
Dynamic Process Monitoring	Cobalt
Custom Design Capabilities	Manganese

Physical Properties

Internal wear surfaces	Thicknesses	Type
Alumina 95% Al ₂ O ₃	12mm, 25mm, 38mm	Dense Medium Cyclone
White Cast Iron Cr 27 HC / Cr Mo	10-50mm	Dense Medium Cyclone
White Cast Iron NiCr1	10-50mm	Dense Medium Cyclone

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



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