Metso

MHC™ Hydrocyclone

Curved bottom

Applications

Ideal for applications such as coarse grinding, coarse particle flotation feed preparation, bottlenecked applications, duties where coarse cuts are required of smaller cyclones, desliming and duties requiring a higher mass split to overflow.

Experience unparalleled efficiency and performance with the MHC™ Hydrocyclone curved bottom, designed for superior particle separation.

Based on the proven MHC™ Hydrocyclone, our new, unique and patented MHC™ Hydrocyclone curved bottom is a breakthrough for classification processes. It offers increased unit capacity and coarser cut sizes whilst minimizing the fines bypass. The new design helps in significantly improving overall efficiency of the solution.

Versatile applications

The MHC™ Hydrocyclone curved bottom is ideal for various applications requiring a coarse cut, where a larger diameter cyclone would traditionally be required. This can be for typical flow rates or for lower flow rates more suited to a smaller diameter cyclone. It also excels in coarse particle flotation circuits, where the production of coarser products with sharp cuts is essential.

For desliming duties, it minimizes the amount of fines in the underflow, thus ensuring optimal performance. It is also suitable for coarse grinding duties and can effectively address applications that are bottlenecked by the capacity of existing hydrocyclones.

Additionally, it can be used for duties that require a higher mass split to overflow, making it a versatile and efficient solution.

Unmatched benefits

- **Easy retrofit:** Simple design allows for easy retrofitting into existing hydrocyclone clusters
- **Patented design:** Ensures superior performance
- **Increased capacity:** Higher unit capacity compared to standard MHC and other hydrocyclone technologies
- **Improved classification** and separation efficiency
- **Reduced fines and water bypass:** Minimizes unwanted fines and water in the underflow
- **Coarser overflow product:** Optimizes downstream processes