Metso

MHC Series

15 good reasons to choose Metso MHC™ Hydrocyclone

Optimized process performance and uptime with MHC™ hydrocyclones

Designed to improve complete classification package, the Metso MHC™ Series hydrocyclone responds to diverse needs, balancing grinding circuit cost and plant performance.

Process

The new MHC™ Series provides a cutting-edge solution for a wide range of classification duties. The superior design delivers increased unit capacity and improved efficiency.

1. Optimized feed inlet / head geometry for increased unit capacity
2. Unique conical section design for improved efficiency and water split
3. Full range of vortex finder and apex / spigot options for customizing to process conditions
4. Pressure gauge and pressure monitoring ports (sensors optional) for fine tuning performance

Design

Optimized design features throughout the new MHC™ Series provides minimal liner wear, simpler maintenance tasks, and improved availability.

5 Our single component conical section, does not employ a housing, saving on weight, complexity, and maintenance time

6 Thoroughly tested polyurethane liners with ceramic options available for long lasting wear parts

7 Symmetrical, adequately spaced hydrocyclone cluster design for even distribution of slurry and safe access to product streams for monitoring, sampling and maintaining

8 Standard pneumatically controlled isolation knife gate valves to rotate online hydrocyclones for managing fluctuating feed conditions and maintenance

9 Standardized containerized design for simplified assembly and logistics

10 Uniform bolt diameter throughout Hydrocyclone assembly for easier maintenance

11 Head geometry in combination with Metso's Polyurethane are designed to reduce wear, increasing liner life span, and reducing downtime

Options

Further options to improve process and design features are also available to take hydrocyclone classification to the next level.

12 CycloneSense™ sensor option for online air core/roping monitoring

13 Various cluster lining options including Metso Trellex Poly-Cer ceramic lining

14 Optional maintenance platforms are optimized for maintenance work and system auditing, offering two levels for the larger clusters, and giving access to the underflow

15 Spray skits and splash guards for improved containment of slurry product discharge

Read more:
metso.com/portfolio/mhc-series

Metso is a frontrunner in providing sustainable technologies, end-to-end solutions and services for the aggregates, minerals processing and metals refining industries globally. By helping our customers increase their productivity, improve their energy and water efficiency and environmental performance with our process and product expertise, we are the **partner for positive change.**

Metso

Metso Corporation, Töölönlahdenkatu 2, FI-00100, Helsinki, Finland
tel. +358 20 484 100
metso.com