

MULTOTEC
CANADA

HIGH RANGE OF CYCLONES

CAST IRON DENSE MEDIUM CYCLONES

THE HEART OF THE MULTOTEC CYCLONE

General Features

Maximum separation efficiency, low running costs, innovative designs and technology

Key features

- ♦ Maximum efficiency of separation, cost-effective, superiority of design confirmed by Computational Fluid Dynamic Analysis, field-tested, higher capacities than other inlet configurations, minimum turbulence reduction in wear rates, especially on the vortex finder, and overall lower operating costs

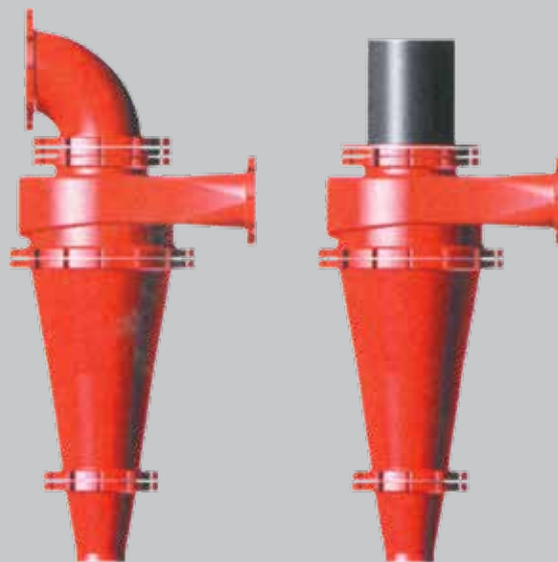


The cast iron range of dense medium cyclones provides guaranteed separation efficiencies and maximum wear life. Using state-of-the-art simulation programmes coupled with experience obtained in treating a diverse range of minerals, a highly qualified team of process engineers will recommend the correct size and configuration of cast iron cyclone to maximise the separation efficiency for any given dense medium application.

These cyclones are cast in 27% High Chrome cast iron which provides excellent water resistance and far outperforms Ni-Hard casting and other cast irons.

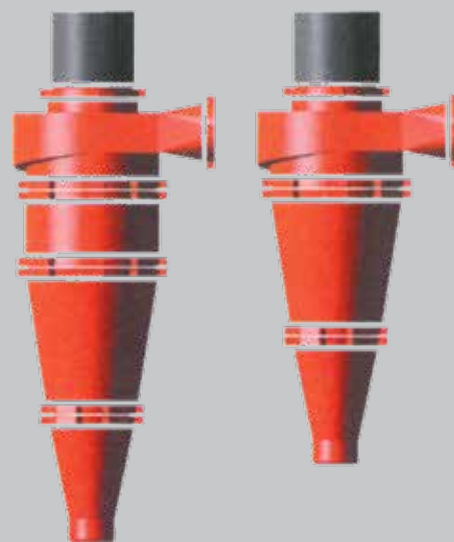
Cast Iron Dense Medium Cyclones

Maximum separation efficiency, low running costs, innovative designs and technology



Overflow Discharge

- Vortex extension or overflow elbow
- Vortex extensions are cheaper, easier to maintain and simplify inspection



Extended Barrel Section

- Increases residence time and efficiency of separation
- Ideal for feed solids that contain high percentages of fine or near density material





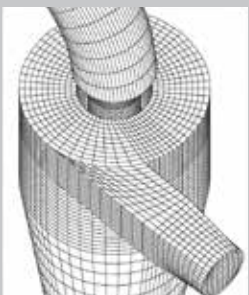
Parallel Throat Spigots

- Help preserve spigot size for longer
- Cyclone cut density is, therefore, maintained more consistently

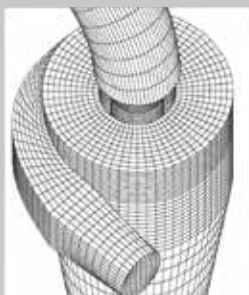


Oversize Spigots

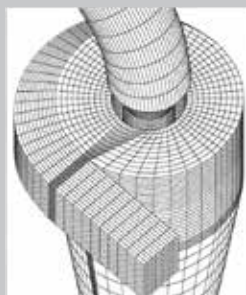
- Worn spigots can be replaced with oversize spigots
- Larger diameter allows for it to be fitted to worn cone without creating an inward step



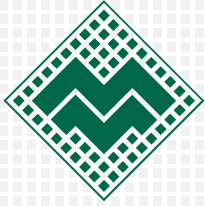
Tangential Design



Involute Design



Scrolled Involute Design



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Cast Iron Cyclone Capacities

