

MULTOTEC
CANADA

HIGH CAPACITY CLASSIFICATION CYCLONES

HC & HA RANGE

THE HEART OF THE MULTOTEC CYCLONE

General Features

Robust rubber lined cyclones designed for heavy duty classification applications.

Key features

- ◇ High-efficiency inlet design
- ◇ Lightweight overflow elbow
- ◇ Vortex finders
- ◇ Loose replaceable liners
- ◇ Weep holes to prevent damage to housings
- ◇ Spigots

Diameter: 250 @ 1400 mm

Min flowrate: 45 @ 1127 m³/h

Max flowrate: 100 @ 2755 m³/h

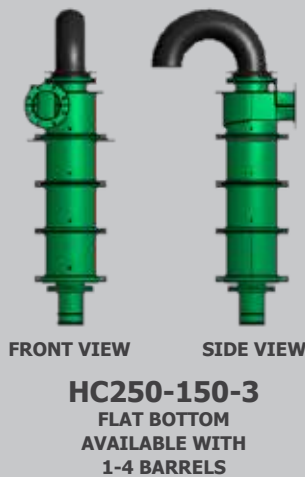
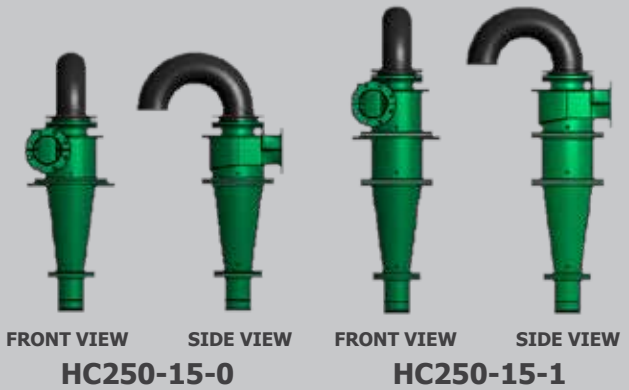
Cutpoints@100 KPa: 25 @ 55 μm



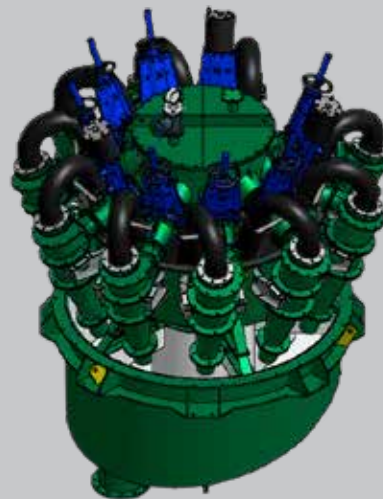
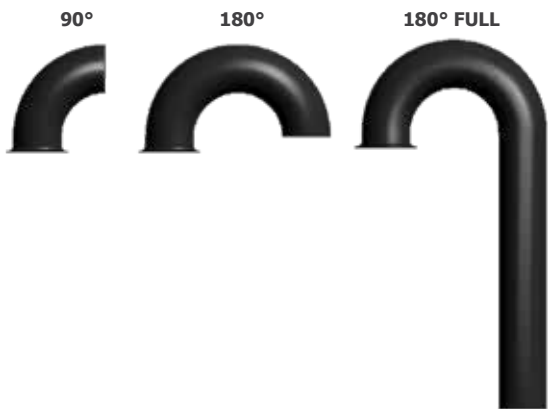
High Capacity Classification Cyclones HC Range

Multotec has developed a range of superior quality classification cyclones for all mineral processing applications. All HC range cyclones are manufactured with a mild steel shell. All wet surfaces are covered with replaceable rubber liners 15 mm or 25 mm thick that have a longer lifespan than conventional liners. This significantly reduces operating, maintenance, and stock holding costs. All major HC Cyclone housings are designed with weep holes to alert system operators when a liner is to be replaced.

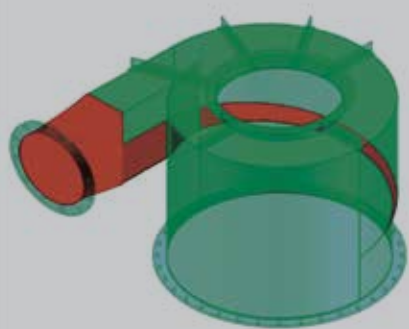
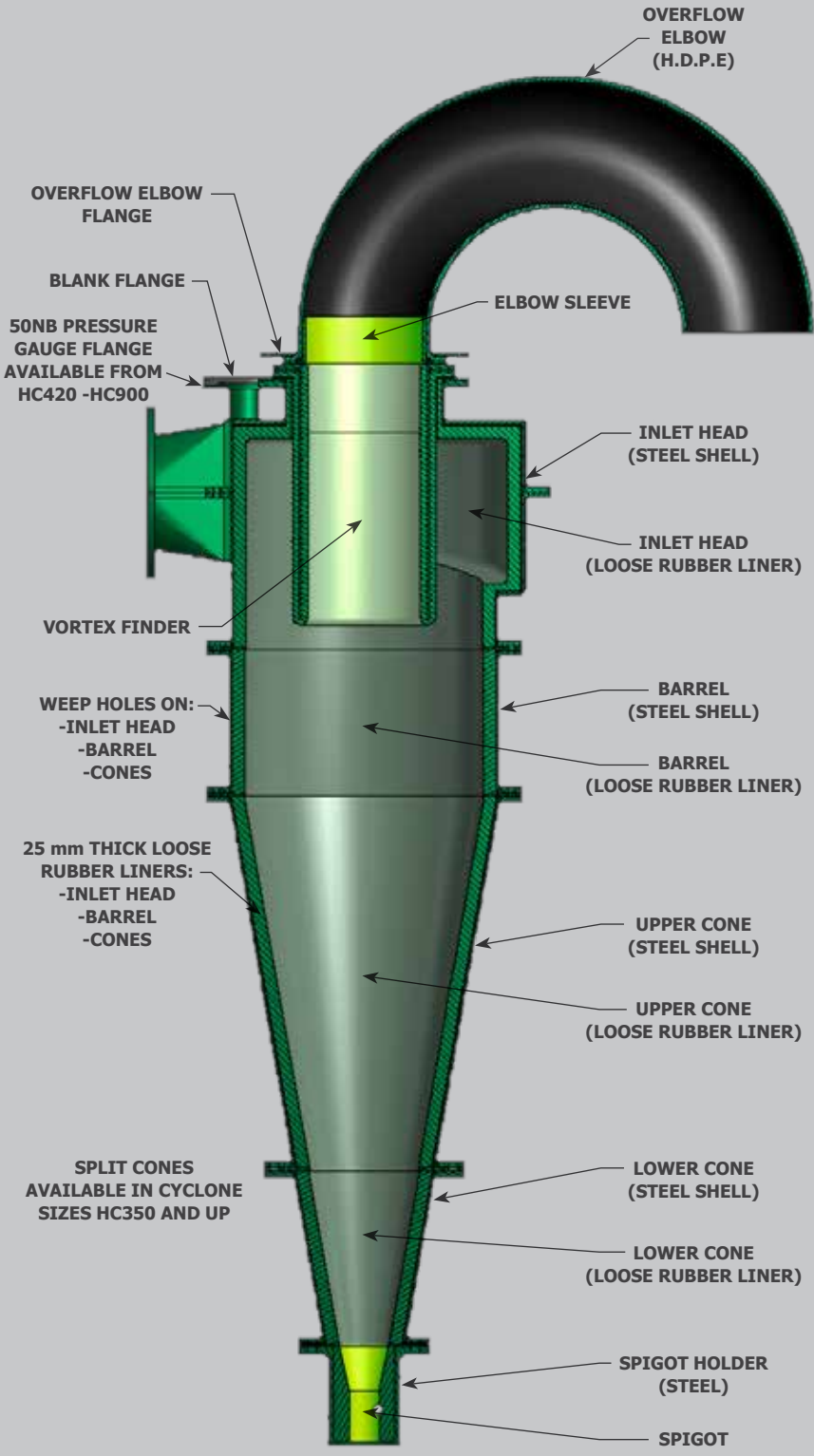
Multotec's cyclone components are interchangeable, which saves money because only used components are replaced and components can be modified to alter the performance of the cyclone and adapted to changes in plant operation.



STANDARD OVERFLOW ELBOW RANGE (H.D.P.E) 90° 180° 180° FULL



**HC CYCLONE RADIAL DISTRIBUTOR
D10-25/10
c/w HC250-15-1**



High Capacity Classification Cyclones HA Range

The ceramic tile design of the HA range prevents lining failure and maximizes the life cycle of the cyclone. Engineered tiles provide a very smooth internal surface and maximum wear life. The HA range of cyclones is lined throughout with pre-engineering alumina tiles. Each tile is specifically designed for and allocated a place in the cyclone. Such precision, coupled with years of operating experience, results in a lining with maximum strength and abrasion resistance. Joints are designed to maximize separation efficiency. All wetted joints are sealed with epoxy to prevent material from sticking in the seal. Any possible areas of turbulence are minimized and a more efficient separation with less misplaced material is achieved.



Stacker Cyclones

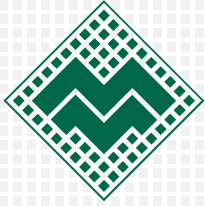
Multotec stacker cyclones are ideally suited to applications where maximum underflow densities are required and the tonnage of solids handled by the faucet fluctuates. The most important design aspect of the stacker cyclone is the flapper valve. The stacker cyclone is designed to be installed with an overflow pipe that creates a siphon effect. This closes the flapper valve and draws out excess water from solids that are discharged through the flapper valve. The result is consistently high underflow densities, even at varying feed tonnages.

Scrolled Evolute Design

Through extensive testing and simulations, Multotec has proven that the scrolled evolute design has a higher capacity when compared to other inlet configurations. This design substantially reduces vortex finder wear, thereby reducing operating costs while maximizing cyclone efficiency!

HEAD DESIGN

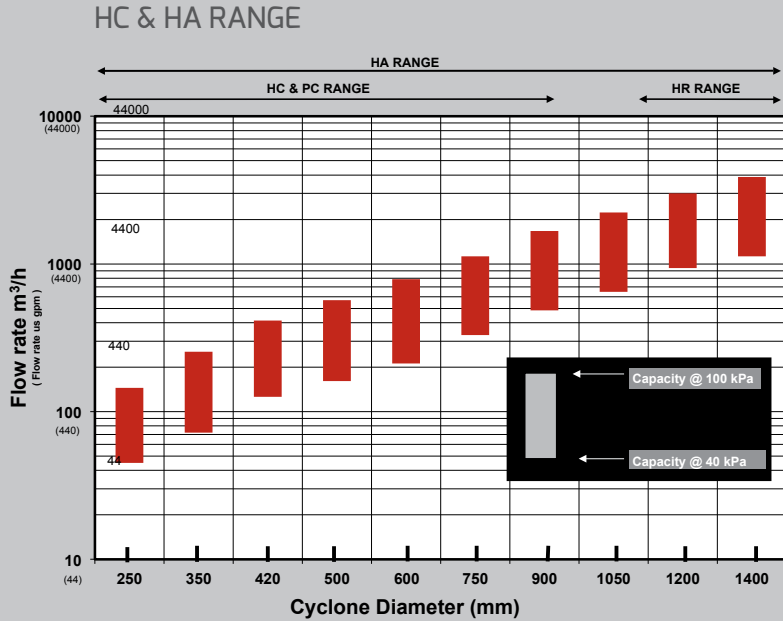




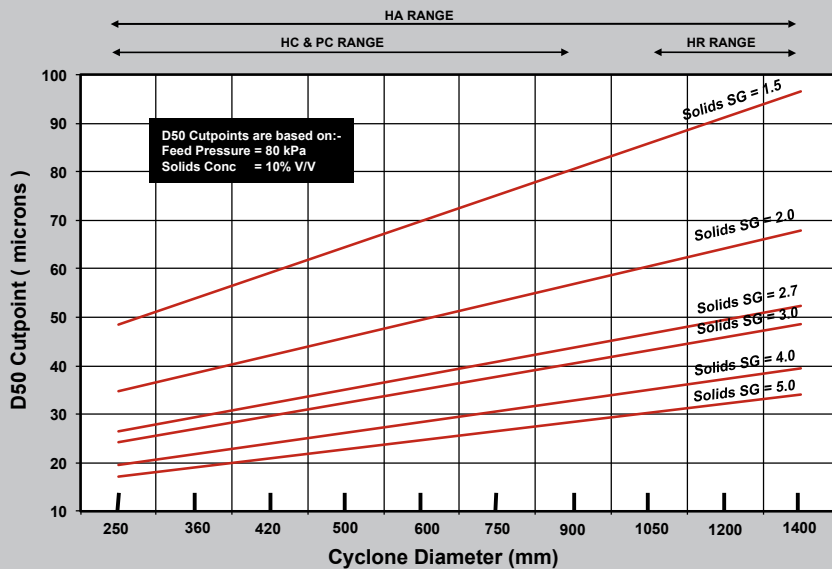
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