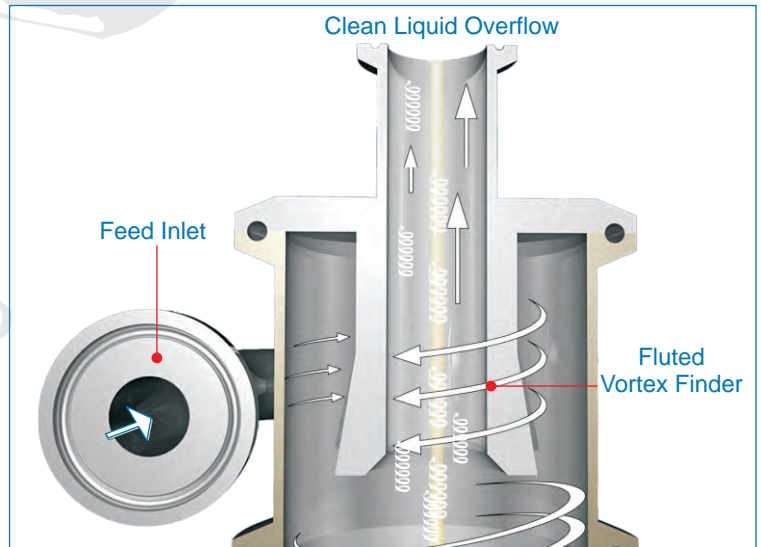
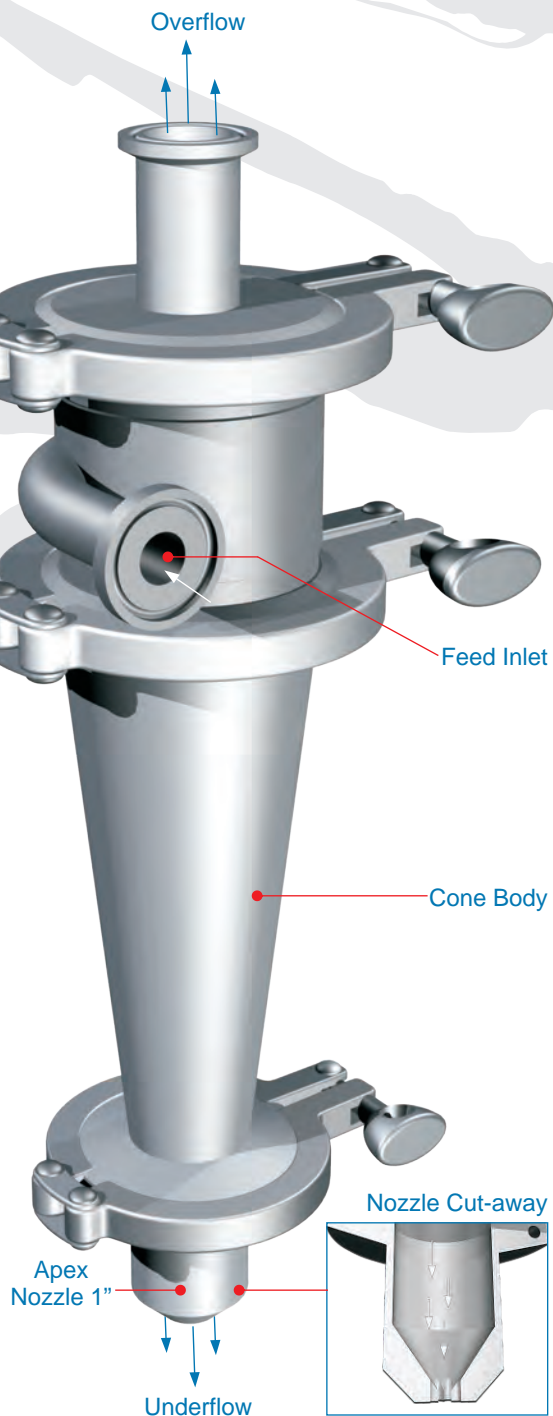


AZ VorSpin Hydrocyclone

Stainless Steel Construction



VorSpin Hydrocyclones:

Hydrocyclones use the centrifugal separation principle to remove or classify suspended solids in a slurry.

The VorSpin Hydrocyclone features three improvements in hydrocyclone efficiency: 1) A Volute feed inlet, 2) A fluted Vortex Finder and 3) a Non-plugging discharge Apex nozzle.

The Volute feed inlet prevents the slurry from circulating back into the path of the incoming slurry, causing undesirable turbulence that will reduce separation efficiency.

The fluted Vortex Finder shape increases the momentum as the incoming slurry swirls around the decreasing cross-sectional area causing a more rapid separation of the suspended solids. This also prevents larger particles from "short circuiting" and reporting out the Vortex Finder with the liquid phase.

The Non-plugging discharge Apex has a non-circular orifice configuration with a center core and lobes surrounding the center core. As the solids report out the Apex discharge, the surrounding lobes will cause any center core plugging to wash through by producing a differential pressure region.

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