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 circulating" and reporting out the Vortex Finder with the liquid phase.

Compatible Components Corporation

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VorSpin Hydrocyclone
Stainless Steel Construction

SECTION B-B
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SECTION A-A
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Circular Manifold Arrangement

Parallel Manifold Arrangement

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