

**Tilted Inlet**

Reduces turbulence and directs incoming flow towards the dynamic wall

**Static Wall**

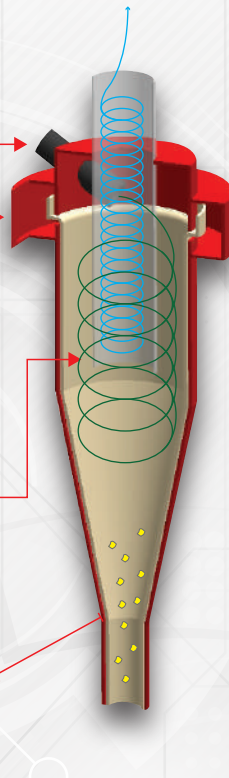
Acts as a casing

**Rotating Wall**

Transforms high impact potential energy into kinetic energy

**Ball Bearing**

To supports and to enables the rotation of Dynamic Wall



- Dynamic Hydrocyclones features unique geometry parts that are designed to deliver maximum efficiency, maximum capacity and longer wear life
- The tilted inlet reduces turbulence and directs fluid to flow towards the rotating wall
- The dynamic wall absorbs the impact force from the fluid and turns it into kinetic energy, thus rotates the wall and reduces wall erosion

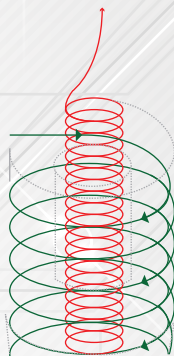
Low Turbulence = High Efficiency  
Low Erosion = Long Wear Life

**ProEight Design**

**Conventional Design**

**Inlet**

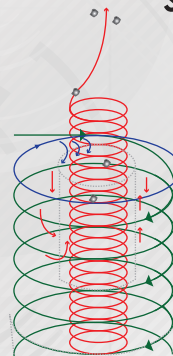
**Tilted Inlet**



**Low Turbulence**

- Swirling flow is prevented from crashing into the incoming slurry

**Straight Tangential Inlet**

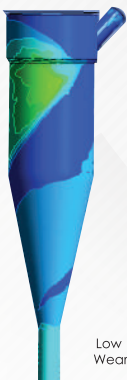


**High Turbulence**

- Swirling flow crashes into incoming slurry

**Wall**

**Rotating Wall**



**Low Erosion**

- No high impact force on the wall



**Static Wall**



**High Erosion**

- Very high impact on the wall

