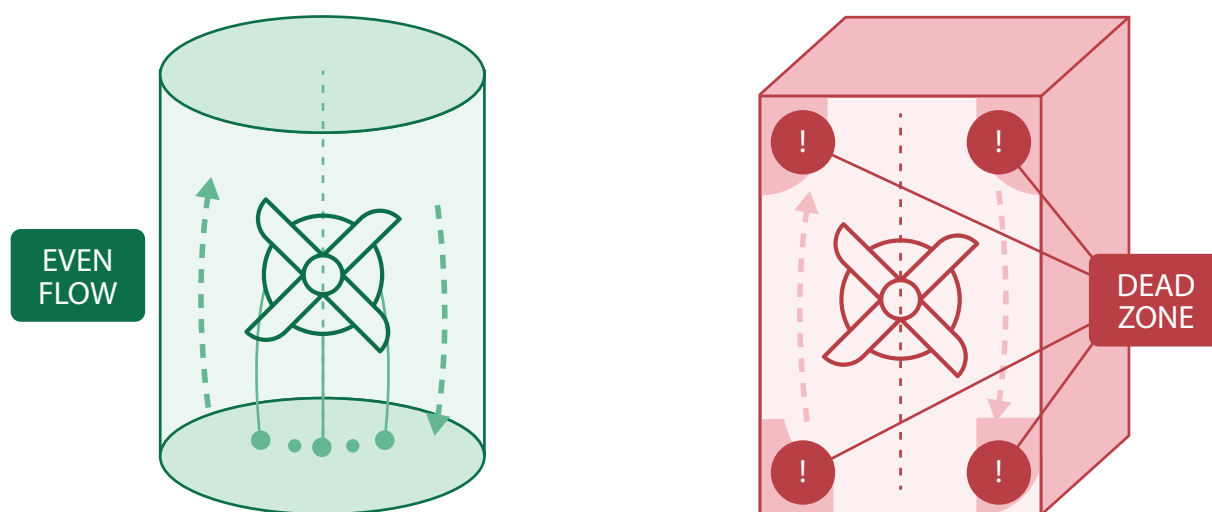


GEOMETRY CHANGES EVERYTHING

YOUR PROCESS WAS BUILT
IN A CYLINDER. NOT A CUBE.

Cylindrical stirred tanks became the backbone of biological drug development and manufacturing for good reason – proven fundamentals, well-understood fluid dynamics, and decades of process data.

**No corners, no dead zones.**

Symmetric flow fields distribute oxygen and nutrients more uniformly throughout the vessel. Corners trap cells away from mixing and gas, starving them.

- **Seamless process transfer** to single-use at scale, with a cylindrical shape that matches bioreactor reference geometries from bench-scale to large-scale stainless steel
- **Faster, more uniform blending across the vessel**, driven by centered agitation that creates symmetrical flow fields and even radial mixing
- **Higher mixing power to support intensified processes**, delivered through a mechanically coupled impeller than maintains performance as cell density increases
- **Predictable scale-up from 25L to 6000L**, supported by well-characterized P/V, kLa, and blend time relationships