

# WESTFALL

## Counter-Swirl Static Mixer

Model 6000

● US PATENT PENDING

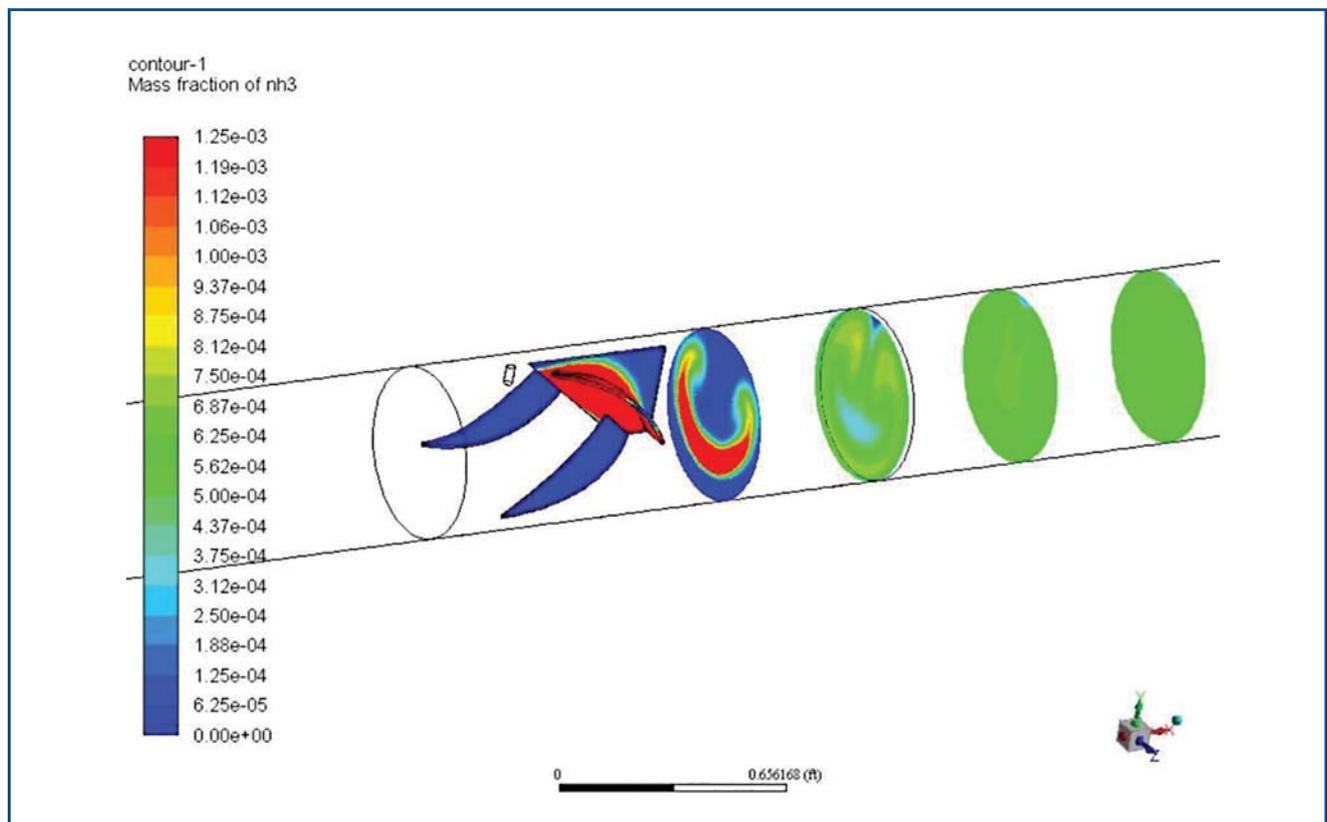
*Delivers shorter lay length, reduced headloss and improved performance within 3 pipe diameters*

Model 6000 is a counter-swirl pipeline static mixer that offers engineers a new solution for their mixing problems.

Developed by Westfall Manufacturing and Alden Laboratories engineers, Model 6000 delivers the lowest CoV (0.025) at 3 pipe diameters downstream available today.

It is designed with one to three injection nozzles. It fits in tight spaces where short lay lengths are required. Mixing is complete within 3 pipe diameters.

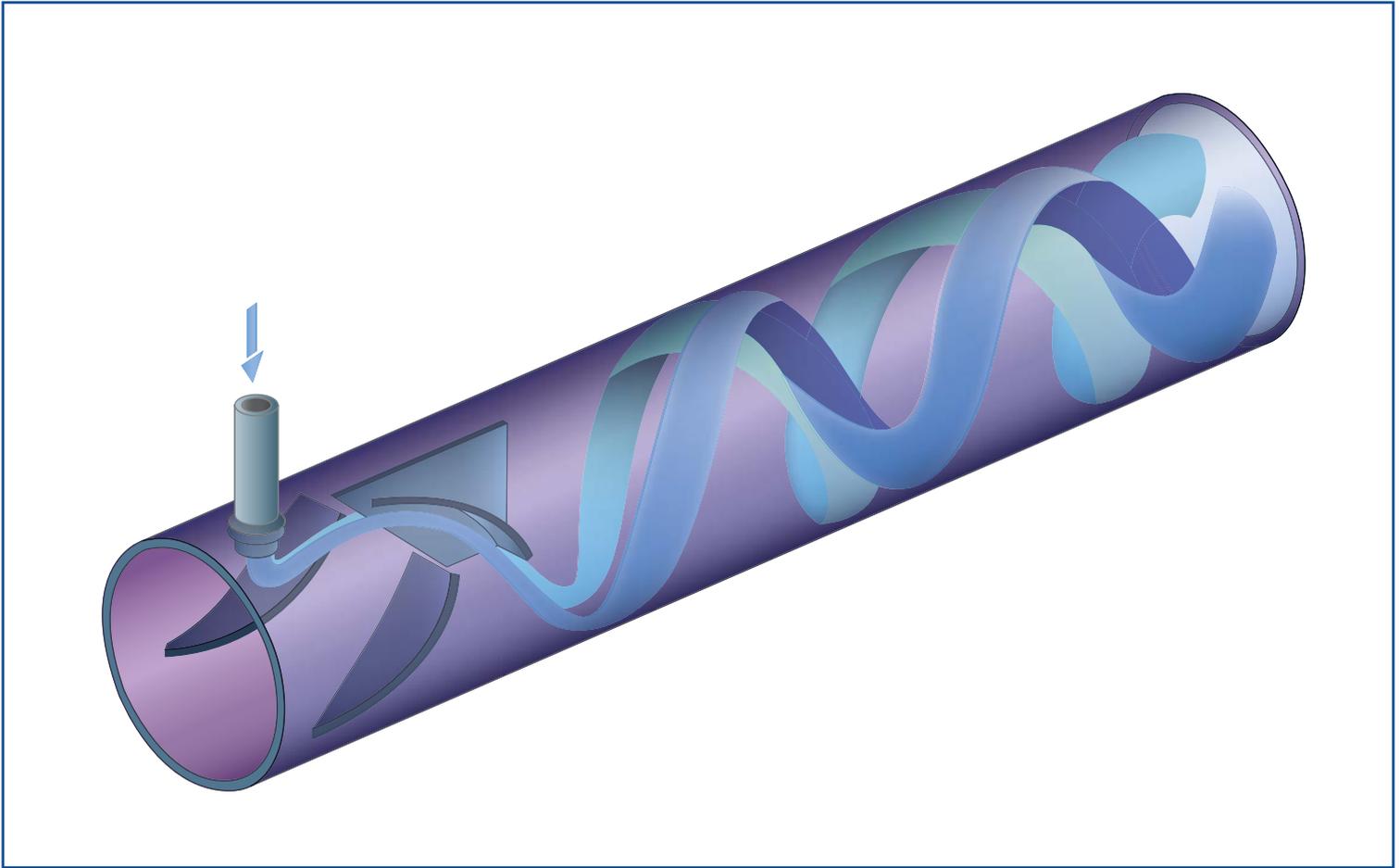
Pressure loss is reduced to a K factor of 1.26.



Mass Fraction of Ammonia Downstream of Inverted Mixer

This new concept Counter-Swirl Static Mixer features three curved fins welded to a pipe interior. The fins intrude towards the center of the pipe. The two side fins are welded upstream of the center fin. The third fin is welded downstream of the injection port.

Incoming fluids or gases enter the high shear zone of turbulence after the additive is introduced. Mixing is complete within three pipe diameters.



Counter-Swirl Static Mixer 6000

- ◆ Because of mixing efficiency, less chemical additive is required. The mixer itself is affordable. It reduces headloss and once installed, no maintenance is required.
- ◆ The mixer can be made to order for customized applications. All standard manufacturing materials and processes are available, including 3D printing.

**WESTFALL**

[WestfallStaticMixers.com](http://WestfallStaticMixers.com)



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**Westfall. Part Of The Solution**