

Efficient Engineering for Europe

German • Norway • Ireland

Westfall is well known to European engineers and project managers for solving a myriad of pipeline needs. Below are a few examples:



Germany: Local Fabrication

In Germany, we arranged to fabricate and assemble the mixer near the installation site to reduce the need for expensive and time-consuming shipping.

This entailed having our

engineers communicate and meet with the customer's supplier to ensure meticulous adherence to the specifications.

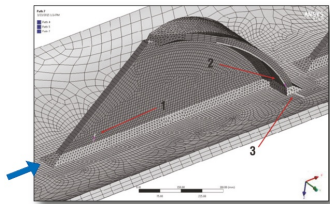
We supplied detailed computational fluid dynamics studies, which the customer replicated using their own independent laboratory, thus confirming the effectiveness and longevity they could expect.

The product was a Westfall Model 3050 Mixer that would blend gas from two different sources to create a reliably homogenous mixture for their consumers.

Westfall's 3050 Mixer was fabricated on-site in Germany using our specifications.

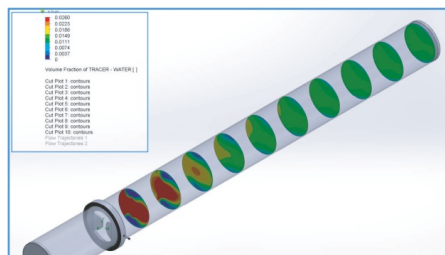


Stress Extrapolation Paths predicted mixer's performance and longevity



Norway: Fish Protein

In Norway, they are using a 2.5" Model 2800 Static Mixer to inject Nitric acid into Fish Protein Solution. The mixer and mounting rings were fabricated from Alloy-20, the injection fittings were 1/2" Kynar, and the quills had built-in check valves.



Ireland:

CFD Helps with Ultra-Slow Flow

In Ireland, a water processor needed assurance that the Westfall 2800 would perform under the low flow conditions (3 cubic meters/hour, 13 GPM through a 20" line) in their system before purchasing. They were going to be injecting sodium hypochlorite.

We conducted an in-house CFD (Computational Fluid Dynamics) model analysis using the customer's very slow flow and other parameters to demonstrate how effective the mixer would be under those conditions. While the industry standard CoV is .05 at 10 diameters, our mixer delivers .008 at 10 diameters.

The results confirmed that the 2800 would achieve complete mixing in about 6 diameters, and they installed a 500 mm (20") 2800 Static Mixer with confidence.

Contact us for a
Consultation

If you have an interesting idea or a special flow issue to be solved, please talk to us. We're happy to listen to suggestions and specialize in solving complex problems.

WESTFALL

Outcome
FOCUSSED

Innovative
ENGINEERING

Westfallstaticmixers.com

Call Application Engineers:

Scott Olson or Matthew Peters

01.888.928.3747 or 01.401.253.3799

WESTFALL and COVID-19

- Westfall's supply chain remains intact.
- Orders continue to be shipped on time.