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FOR IMMEDIATE RELEASE

INTRODUCING BETE'S NEW WHITE PAPER: CO-CURRENT VS. COUNTER-CURRENT SPRAY IN GAS COOLING APPLICATIONS: A CFD-BASED PERFORMANCE ANALYSIS

Greenfield, MA, November 25th, 2025: BETE Fog Nozzle announces the release of its new technical white paper written by Advanced Spray Engineering Services Manager, Daniel deLesdernier. The paper presents a computational fluid dynamics (CFD)-based analysis of co-current and counter-current sprays, offering considerations for those seeking to improve evaporation efficiency and minimize duct length in their gas cooling applications.

In this paper, readers will learn:

- How spray direction affects droplet evaporation and heat transfer rates
- Performance differences between full cone and hollow cone nozzles
- The effects of spray orientation on convection and diffusion processes
- Key design considerations, including nozzle placement, pressure drop, and risk of clogging.

This resource provides actionable insights for those looking to optimize spray system design and performance in demanding industrial environments.

Click here to download the complete white paper.

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