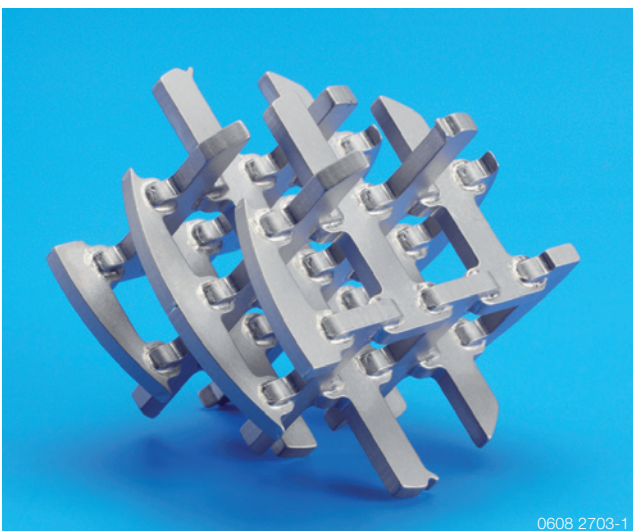


SMX™ plus Static Mixer

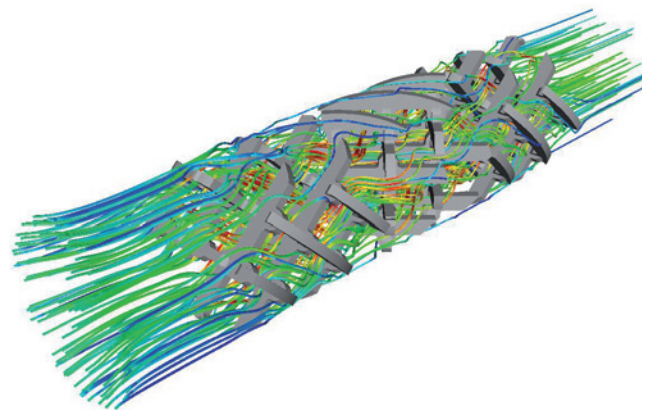
Perfect homogenization of viscous liquids nearly without pressure drop

The standard SMX mixer was developed by Sulzer and assumed over many long years the position of the standard equipment in mixing of viscous liquids. Owing to the continuing pursuit for further development with most advanced simulation techniques and complex test series Sulzer is now pleased to present the new revolutionary SMX plus generation of mixers. The SMX plus mixer excels with most efficient homogenization at some 50% of the usual pressure drop. This dramatic pressure drop reduction results in number of different advantages for users. Depending on the application either smaller pumps with lower energy consumption can be used or much smaller mixers could be designed, possibly leading to reduced size of the whole plant. The possibility of performing a mixing duty with a smaller mixer and strongly reduced residence time can be advantageous for cases where product degradation is a problem.



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Sulzer SMX™ plus Static Mixer, mixing nearly without pressure drop

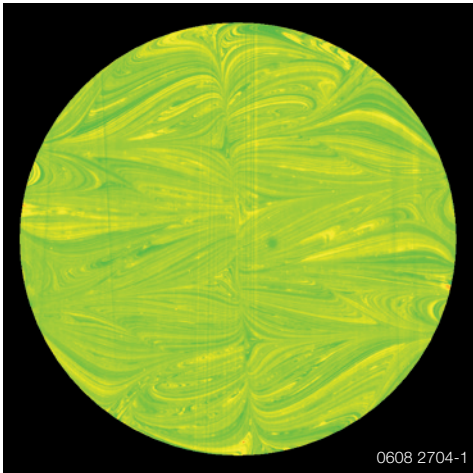


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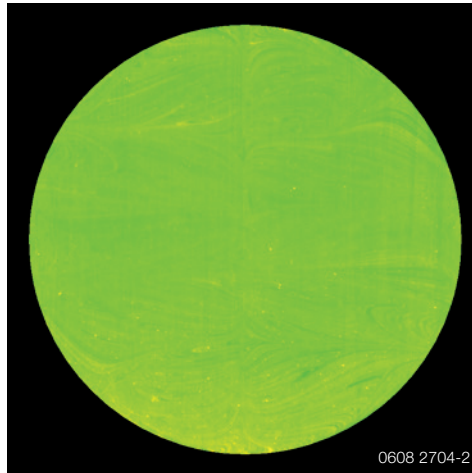
Developed and optimized relying upon most modern simulation techniques

Advantages

- Some 50% lower pressure drop than the standard SMX mixer
- Massive cost savings through deployment of significantly smaller mixers and pumps
- Very short residence time and reduced degradation exposure
- Robust construction compatible with highest pressure drops
- Good price performance ratio owing to novel fabrication technology



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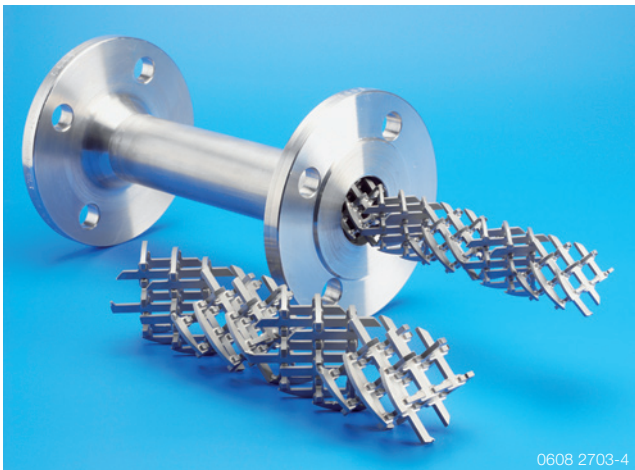


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Sulzer SMX™ plus Static Mixer with exceptional homogenization efficiency ; Mixing pattern after 8 and 10 mixing elements, respectively (Flow ratio 1:1, viscosity ratio 1:1)

Sulzer SMX plus mixers are designed by our experienced experts to match individual mixing duties as specified by customers. The mixers can be delivered with and without dosing ancillaries, welded in the tube or removable and also with jacketed housing. Standard housings are made out of DIN or ANSI tubing. In addition, the mixers can be designed and fabricated to different codes like ASME or AD2000.

Small mixing elements are casted and the larger sizes are fabricated from metal bars and sheet by brazing or welding. The standard material of construction is stainless steel 1.4404. Special materials and designs are made upon request.



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SMX™ plus Static Mixer, removable inserts

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