

stamixCO Helical Static Mixer Product Bulletin

This is a Temporary Brochure – Final Brochure in progress

For Simple Mixing Applications

Helical Static Mixers (Type HT)

The Type HT helical static mixer pioneered the motionless mixing industry over 40 years. It is a cost effective static mixer with moderate mixing performance capabilities. It is most suitable for use in small diameter turbulent and laminar flow applications where the mixing task is simple and where it's characteristic features of low pressure drop and an open geometric structure is best for the application. For difficult applications, the high performance GX static mixer is recommended for laminar flow applications and the high performance GV static mixer is recommended for turbulent flow applications.

The Helical static mixer is available in metal and plastic construction in a wide variety of configurations and sizes.

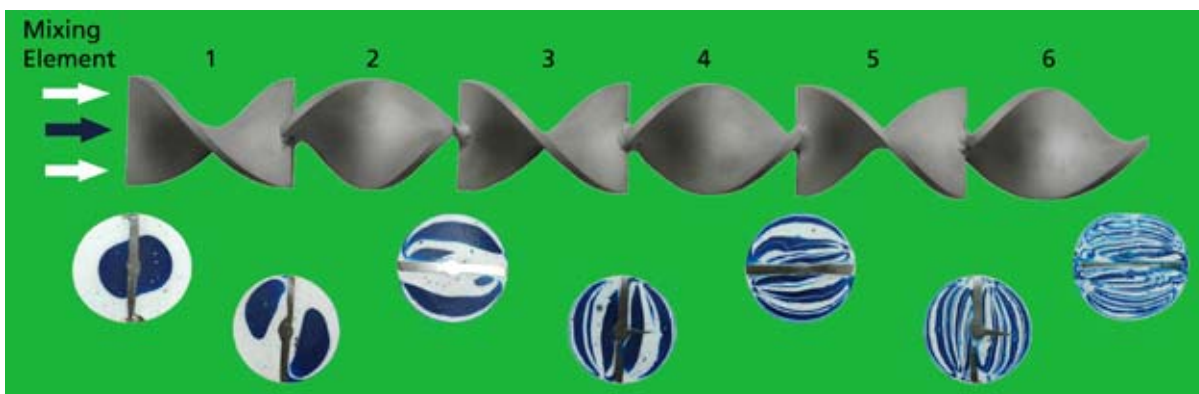


Figure #1: Homogeneity achieved with HT helical static mixing elements

Metal Helical Static Mixers

Helical Static Mixing Elements only



Helical mixing element assemblies in metal construction are available in 316L S/S to fit virtually any pipe size. Standard sizes are made to fit Sch. 40 pipe, however mixing elements can be made to fit most pipe diameters. Sizes range from 0.25" – 12" diameter.

Threaded Pipe Ends Helical Static Mixer (metal)



Helical static mixing units with threaded pipe end connections are available in 1/8" – 2" diameter Sch. 40 pipe sizes. Non-Standard pipe and tubing sizes are available upon request.

Flanged Pipe Ends Helical Static Mixer (metal)



Helical static mixing units in flanged housings are available in 1/8" – 12" diameter Sch. 40 pipe sizes. Non-Standard pipe and tubing sizes are available upon request.

Sanitary Helical Static Mixer (metal)



Sanitary design helical static mixing units are available in 1" – 3-1/2" tubing sizes. They are of sanitary design with tri-clamp flanges suitable for use in the food, pharmaceutical, cosmetic, beverage and other industries.

Edge-Seal Brazed Helical Static Mixer (metal)



The helical static mixing elements are edge-seal brazed to the tubing ID. This allows for very high pressure drops to be taken across the static mixing elements and for enhanced heat transfer in static mixer heat exchanger applications.

Plastic Helical Static Mixers

Helical Mixing Elements only (plastic)



Helical Mixing element assemblies in plastic construction are available in Polypropylene, Acetal, Kynar and PTFE Teflon. Depending on material of construction, sizes range from 3/32" to 2-1/2" diameter.

Threaded Metal Pipe Ends with Plastic Helical Static Mixer



Plastic helical static mixing units in Sch. 40 metal pipe with threaded ends are available in 1/8" – 2" diameter sizes.

Kynar and PTFE Teflon Helical Static Mixers



Plastic helical static mixing elements in Kynar, PTFE Teflon, Polypropylene and most corrosion resistant materials are available in sizes up to 2-1/2" diameter. Housings include plastic piping with threaded or flanges ends and plastic lined metal pipe.

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**A young company with over 50 years of
accumulated experience in mixing technology.**

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