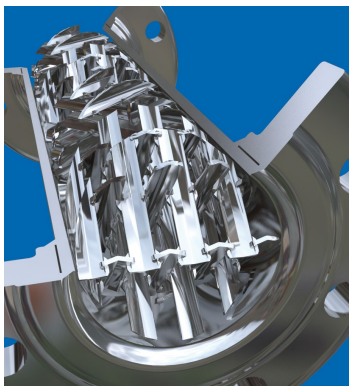




High-performance blending for demanding applications.



KMX-V static mixer features include:

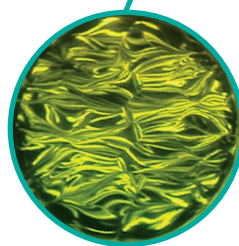
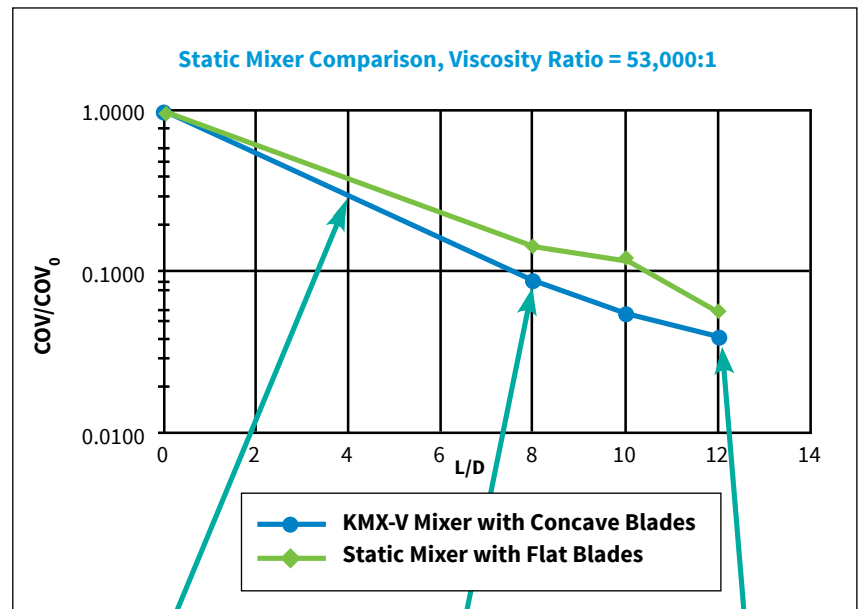
- Superior mixing performance
- Laminar flow and high-low viscosity mixing
- Cost effective solution
- Short length
- Standard diameters up to 24"

For demanding mixing applications, such as those involving fluids with extreme viscosity or volume ratios, the common limiting factor in static mixer design is the allowable mixer length. The KMX-V static mixer is the superior choice for these applications. Its patented element design offers the most efficient mixing performance.

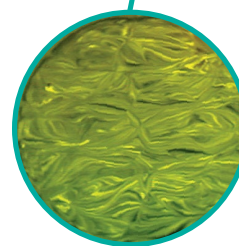
Exclusive Mixing Principle

The KMX-V utilizes cross-stream mixing and flow splitting to achieve very rapid blending. Each element is approximately one pipe diameter in length and consists of multiple intersecting blades, which generate fluid layers as the mixture flows downstream.

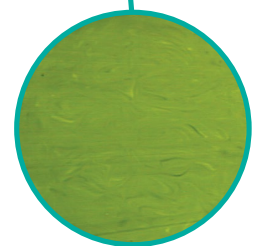
Lab tests have proven that the concave surfaces of the KMX-V element promote more cross-stream flow than competitive designs with flat blades. This feature enhances the performance of the mixer in tough high viscosity ratio applications. Sheets of low viscosity additives are driven along the trough of each blade and abruptly sheared by strong cross-stream velocity gradients as they pass around the upstream surface.



KMX-V-4



KMX-V-8



KMX-V-12

Laser induced fluorescence (LIF) images showing cross-sectional uniformity