



# Advanced Static Mixing Technology

## KMX Mixer

- Superior Mixing Performance
- Laminar Flow and High-Low Viscosity Mixing
- Liquid Dispersion/Gas-Liquid Contacting
- Cost Effective Solution
- Short Length
- Standard Diameters up to 24"



Patent Pending

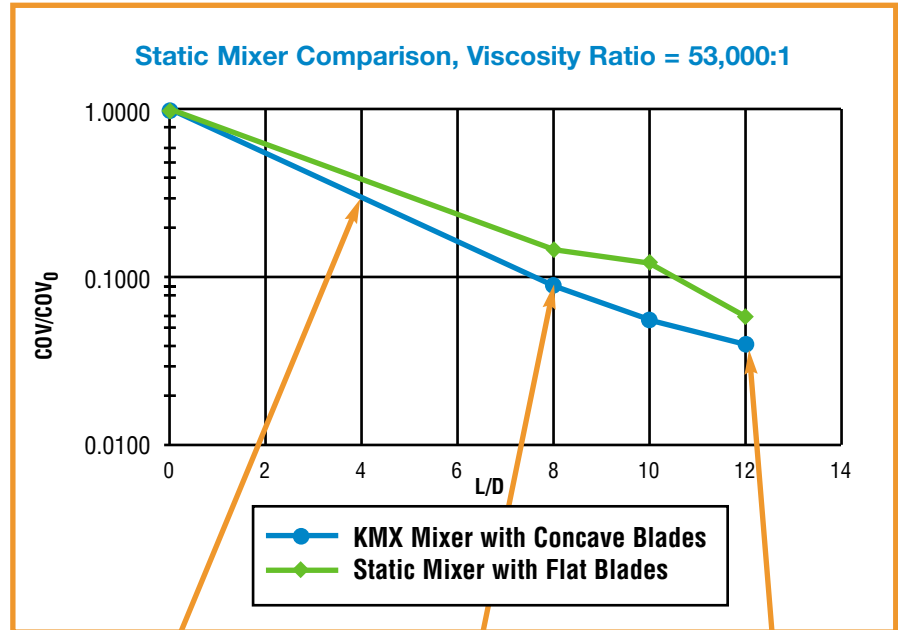
# High-Performance Blending for Demanding Applications

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 Kenics® KMX Static Mixer from Chemineer, Inc., the latest addition to the market leading Kenics product line, is the superior choice for these applications. Its patent pending element design offers the most efficient mixing performance.

## Exclusive Mixing Principle

The KMX 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.

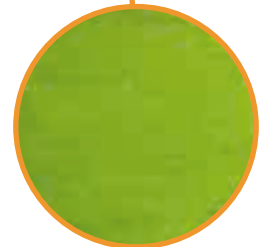
Lab tests have proven that the concave surfaces of the KMX element promote more cross-stream flow than competitive designs with flat blades. This feature enhances the performance of the mixer in tough high viscosity ratio applications. Sheets of low viscosity additives are driven along the trough of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



KMX-4



KMX-8



KMX-12

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



125 Flagship Drive  
North Andover, MA 01845  
Phone: (978) 687-0101  
Fax: (978) 687-8500  
Web: www.chemineer.com

Operating locations in:  
Dayton, OH  
North Andover, MA  
Derby, England  
Mexico, D.F.  
Singapore  
Taipei, Taiwan

For the nearest Chemineer sales office, call 1-800-643-0641

