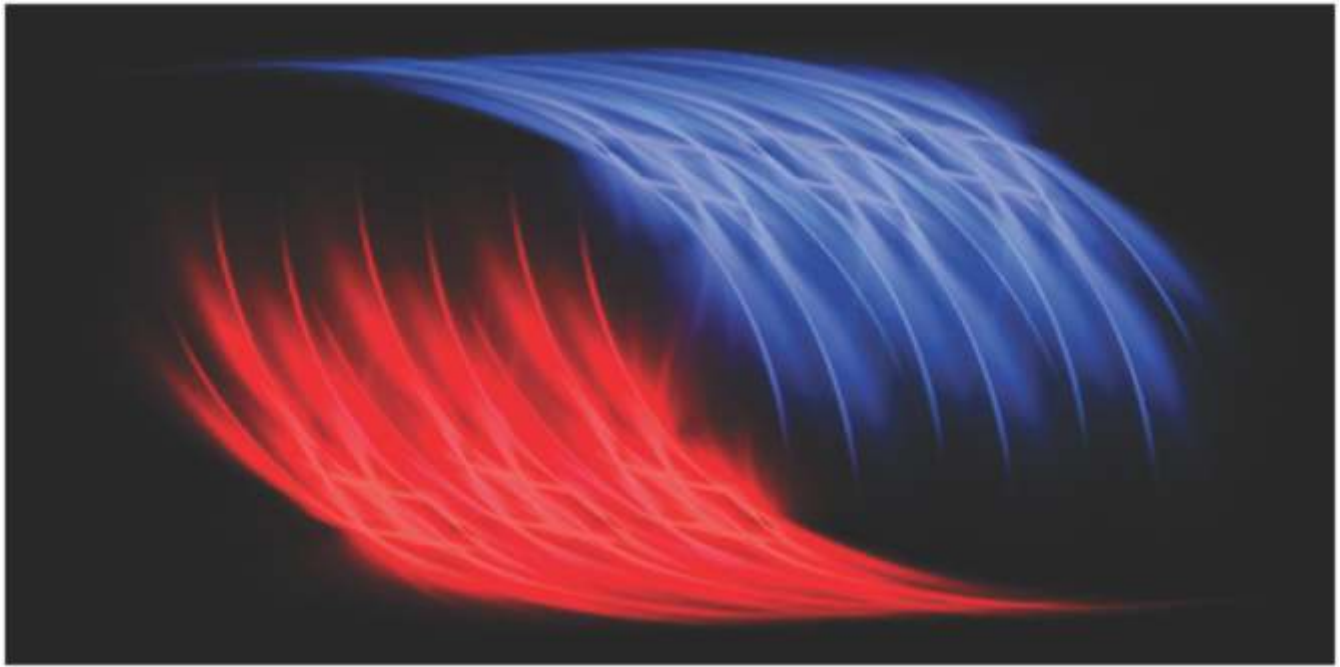




STATIC MIXER

COMPLETE MIXING SOLUTIONS



STATIC MIXER

A static mixer or motionless mixer is a device inserted into a housing or pipeline with the objective of manipulating fluid streams to divide, recombine, accelerate/decelerate, spread, swirl or form layers as they pass through the mixer. Static mixers are therefore utilized not only for strictly mixing requirements but also reaction processes. Inserting a static mixer significantly accelerates inline mixing or reaction. This technique is essentially desirable wherever a continuous, inexpensive and fast operation is required. Since there are no moving parts in the motionless mixer, it is basically maintenance-free and can be installed as easily as any piece of pipe. Static mixers are used to blend two or more liquids into a homogeneous mixture, or to inject a metered liquid into a continuous process stream for applications such as water treatment (drinking water), wastewater treatment (processing out of waste and pollutants), food processing (manufacturing of yogurt, ice cream, beverages), chemical processing, oil refining and mining/ore extraction.

CMX Static mixer

Designed for viscous fluids where it is advantageous to split and fold the products to achieve a blended output. This element design is available in most of our mixer series.



CMX mixers are suitable for:

- Mixing high viscosity fluid
- Mixing and dispersing liquids
- Homogenizing plastic melts in extruders and injection molding machine
- Control of reaction with narrow residence time distribution

CMX TYPE ELEMENT

CMX Static mixer application

- Color blending
- Delustering of polymer dopes
- Water/fuel oil emulsions
- Blending of viscous fluids
- Submicron emulsions
- Resin-catalyst mixtures



CMV Static mixer

- Designed for low viscous fluid which is advantageous for simple mixing and blending.
- This element design is available in most of our mixer series.

CMV mixers are suitable for:

- Mixing low viscosity gases or liquids
- Dispersing immiscible liquids
- Contacting gaseous with liquid
- Mass transfer operation and chemical reaction

- Biodiesel production
- Blending Anti-oxidants and other additives
- Chlorine dioxide bleaching of pulp
- Inline addition of flocculants
- Homogenizing process streams for sampling
- Adjusting viscosity
- Chemical suspensions
- pHcontrol

CMV static mixer application:

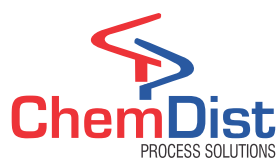
- Blending different grades of oil or gasoline
- Mixing two or more liquid resins
- Dilution of concentrated solutions
- Water and wastewater treatment
- Gas-liquid dispersions Pipeline reactions
- Oil/water and water/oil emulsification

MOC: SS304, SS304L, SS316, SS316L, SS904L, SS317L, Hastelloy-C-276, Alloy 20, Duplex, titanium, 316Ti.

LINING: Rubber, FRP, Ebonite, PTFE, HALAR, PP, PPRP, PVC



CMV TYPE ELEMENT



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