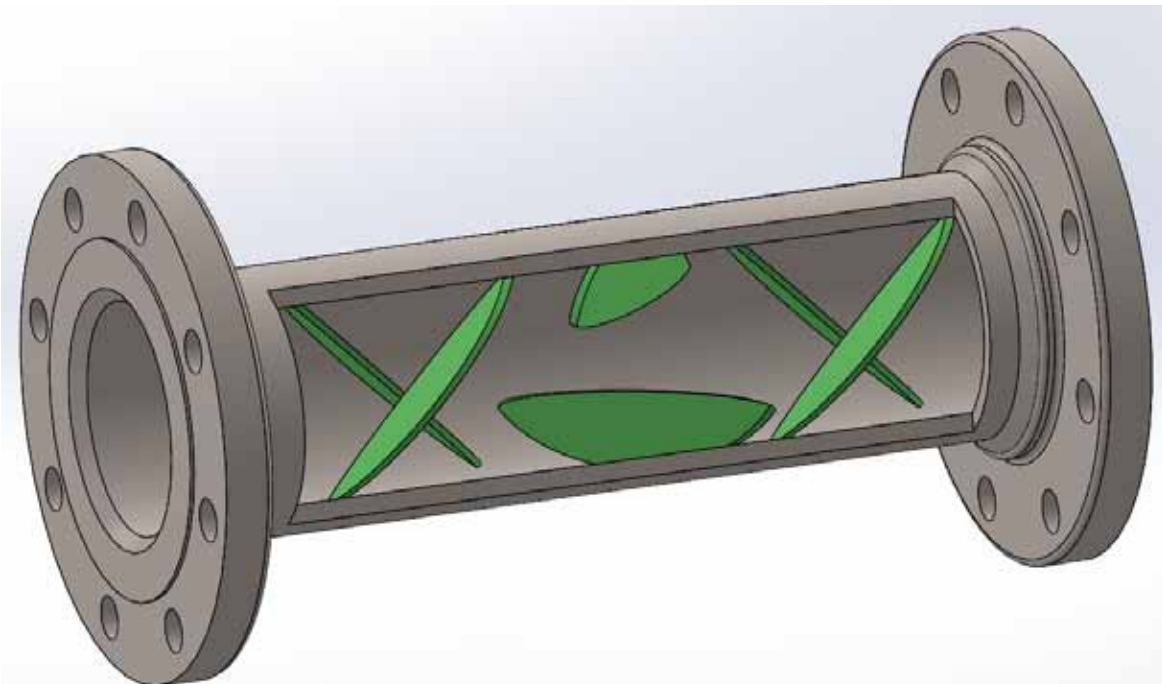


DESIGN FEATURES & BENEFITS:

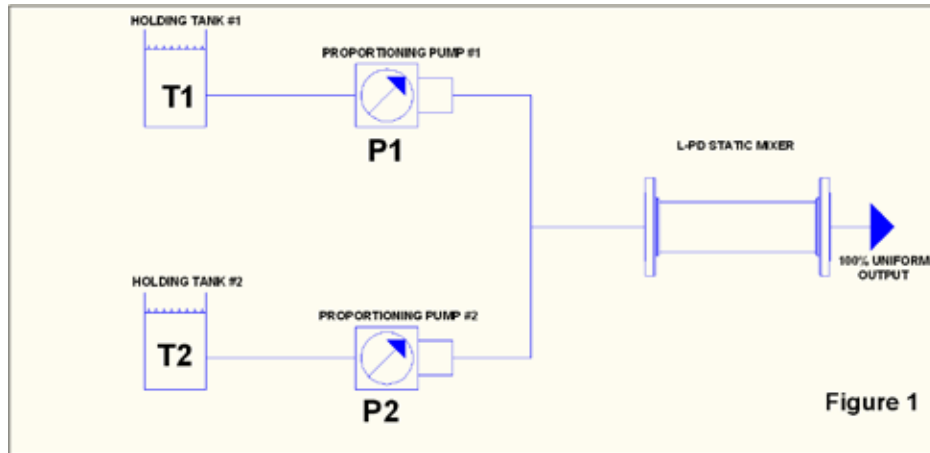
- 1. Low Pressure Drop & High Mixing Efficiency**
 - About 65% lower than conventional Static Mixers available in market today.
 - High Mixing Efficiency for Liquid-Liquid, Liquid-Gas & Gas-Gas Mixing Application.
- 2. Non-Fouling Design**
 - Extremely resistant to fouling or clogging due to its open-design and no corners.
 - Momentum reversal and flow impingement results in self-cleaning operation.
 - Allow objects size half of the nominal diameter to pass thru the Static Mixer.
- 3. Mixing Action**
 - Excellent wall-to-wall radial transfer.
 - Intensive Contacting due to strong momentum reversal and flow impingement.
- 4. Short Mixing Length**
 - Typical Length required is just 2 to 4 times Nominal Pipe Diameter.
- 5. Optional Injector**
 - Better dispersion and distribution of Additives prior to the Static Mixer.
 - More efficient mixing as a result.
- 6. Materials Of Construction**
 - Carbon Steel, Stainless Steel, Titanium and other exotic metals.
 - FRP, PVC, CPVC, PVDF and other Thermoplastics.
- 7. Typical Applications**
 - Water Treatment - Mixing additives like coagulants, flocculants, dewatering agents and for pH control.
 - Power Plants - Introducing and mixing gaseous additives such as ammonia for NO_x reduction.



The MXR "L-PD" Static Mixer is designed to effectively mix chemical solution into main flows prior to dewatering process. Polymer savings up to 25% can be achieved.

Efficient, reliable product blending

Typical Mixing Application



The MXR Static Mixer will provide superior performance in the blending of chemical and petrochemical products. It will outperform dynamic mixers and other static mixing devices.

In Figure 1, a typical product mixing installation illustrates how the MXR Static Mixer delivers a highly predictable output. Product is delivered from holding tanks through proportioning pumps and flows continuously through the MXR Static Mixer. The result is a 100% uniform output.

Major applications include:

- Scrubbing
- pH Control
- Corrosive chemical mixing
- Fuel oil blending
- Gas/Liquid contacting
- Gas/Gas mixing

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