

Furon[®] Static Mixer

Efficient Mixing of Liquid Media with No Moving Parts

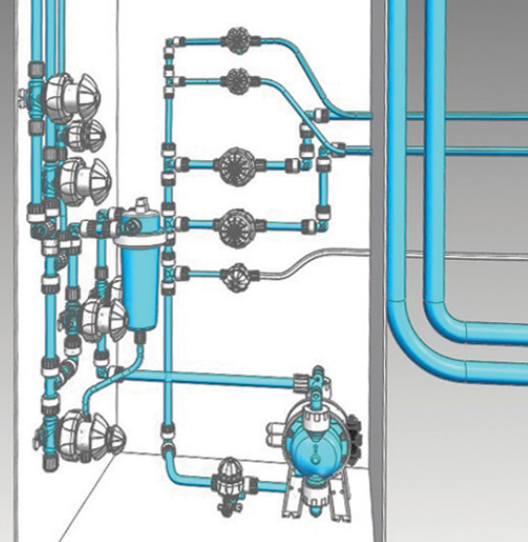
Description

Furon Static Mixer offer an efficient means of mixing two or more chemistries with minimal pressure loss. Its compact, inline design allows for easy installation into existing pipelines. Internal mixing components are removable, allowing easy maintenance and cleaning. Outlet end connection types and sizes can be easily changed to accommodate a variety of piping configurations. All components are constructed of 100% virgin fluoropolymer making it ideal for use with both ultra-pure and highly corrosive chemistries. They are also by construction metal free and O-ring free reducing potential contamination source.

Applications

The Furon Static mixer by its simplicity and cleanliness is particularly well adapted in the following application:

- Blending catalyst, dye or additive into a liquid media
- Mixing of Chemical in the Semiconductor and Photovoltaic wet processes



Features and Benefits

- Machined from premium virgin PTFE
- O-ring free design
- High compactness mixing solution
- Minimize pressure drop vs other standard similar solution.
- Retains seal integrity over countless disassembles / reassembles for cleaning purpose.

ASK AN ENGINEER

Furon Static Mixer

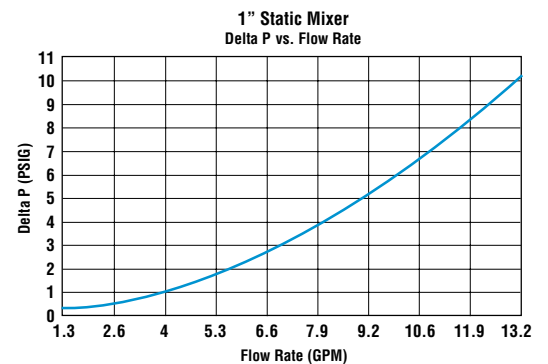
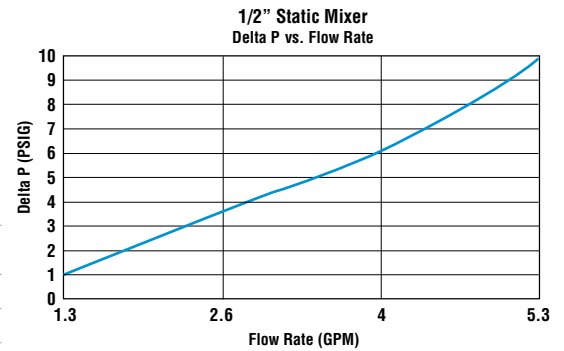
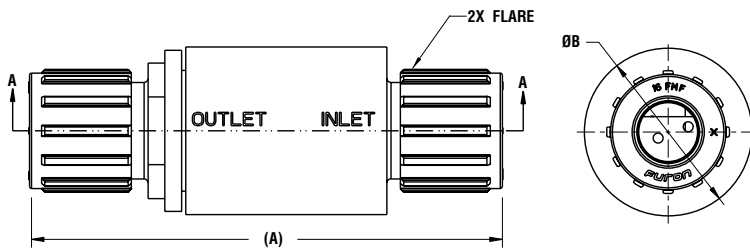
| Part Number | End Connection | Cv | Max. Flow Rate | A (in) | ØB (in) |
|-------------|----------------|------|---------------------|----------------|---------------|
| SM-F88-1 | 1/2" Flare | 1.75 | 5.3 GPM (20 l/min) | 5.40 (137.2mm) | 1.50 (38.1mm) |
| SM-F1616-1 | 1" Flare | 4.1 | 13.2 GPM (50 l/min) | 7.02 (178.3mm) | 2.60 (66.0mm) |

Ordering & Technical Specifications

| | 1/2" Version | 1" Version |
|-----------------------------|--|------------------------------|
| Cv Flow Factor | 1.75 | 4.1 |
| Media Operating Temperature | 41°F to 212°F (5°C to 100°C) | 41°F to 212°F (5°C to 100°C) |
| Max. Ambient Temperature | 149°F (65°C) | 149°F (65°C) |
| Media Operating Pressure | 90 PSIG max. at room temp. | 90 PSIG max. at room temp. |
| Materials | Body & Mixing Elements: High-Purity PTFE and Fluoroloyl-T Nuts: PVDF | |

Options

[Please consult factory](#) or specific configuration >>



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