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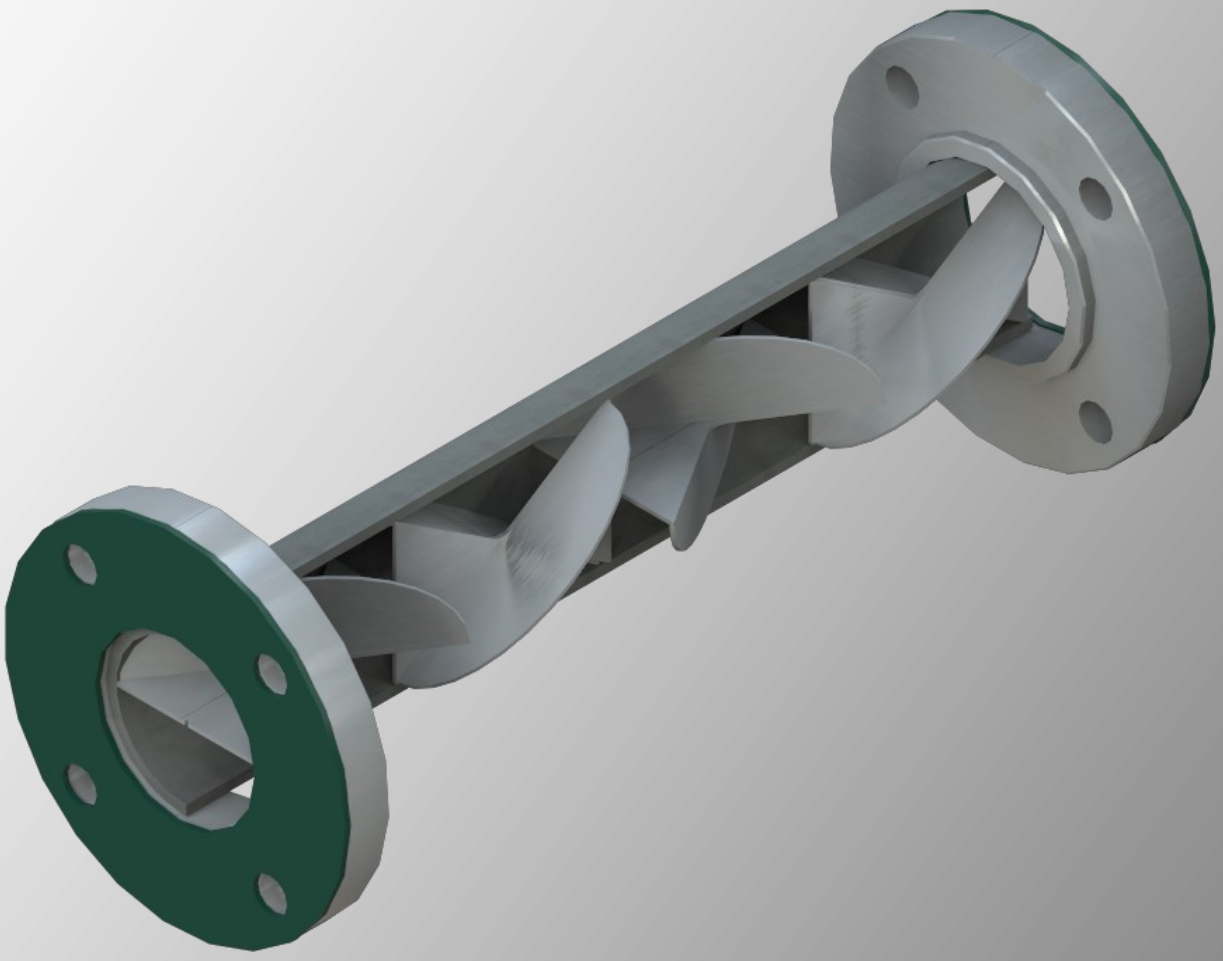
In-line Static Mixers

SM-SERIES



MIXING TECHNOLOGIES

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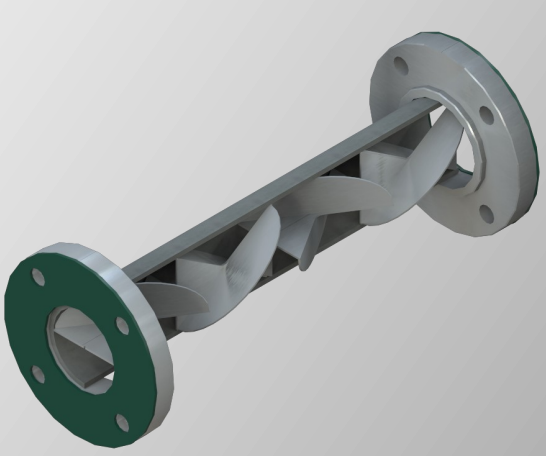
In-line Static Mixers

In-line static mixers offer a low maintenance solution for pipeline mixing.
In-line static mixers may be designed to suit a new system, or retrofitted to an existing processing line.
In-line static mixers are suitable for a huge range of line sizes ranging from 10mm to 1m+.

In-line static mixers may be incorporated into shell and tube heat exchangers and are suitable for liquid-liquid, gas-gas or liquid-gas blending and heat transfer.



Above: In-line static mixers are made up of a number of mixing elements housed inside a pipe. Flanges are the standard end connection, but options include threaded connections, plain pipe or tri-clamp connections.

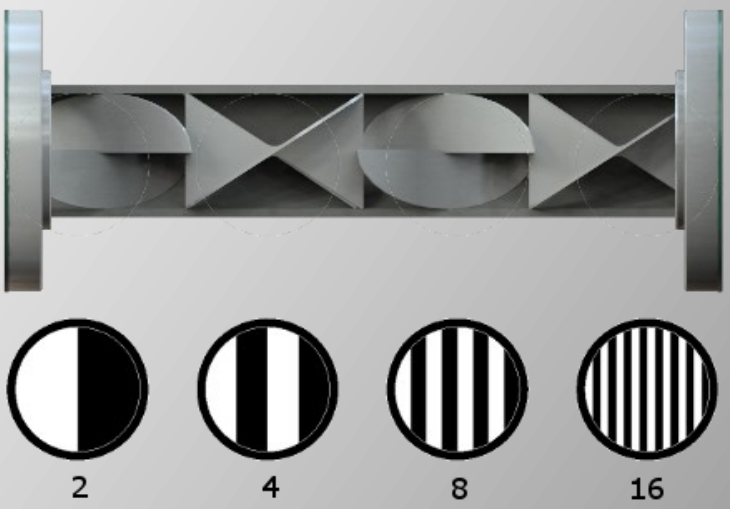
MIXING TECHNOLOGIES

Standard Features

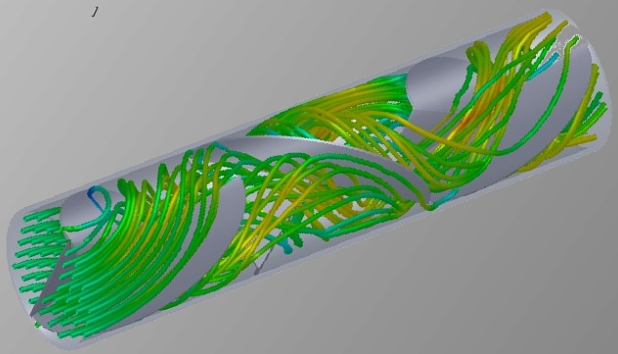
- Stainless Steel construction
- Flanged end connection
- Very low maintenance
- Highly reliable
- Removable element bundle for cleaning

Options

- Exotic alloy construction
- Threaded, tri-clamp or plain pipe ends
- Centreline injection



Above: In-line static mixers work by 'slicing' the flow in half and recombining multiple times. The number of mixing elements is determined by the required flow rate and fluid properties.
The product will exit a 4-element in-line static mixer approximately 16 times more homogenous than it enters. Turbulent flow will greatly assist mixing in low viscosity liquids and gasses.



Above: Computational fluid dynamics allows accurate modelling of the pressure change, shear rate and flow rate within in-line static mixers.

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Enquiry

Please complete as much of the form below as possible and return the completed form via email (sales@jmengineering.com.au) or fax (+612 9757 4138). A JM Engineering representative will contact you to discuss your process requirements.

Contact Details

Name _____ Company _____

Email _____ Phone: _____

City _____ Country: _____

Fluid(s)

Viscosity _____ Specific Gravity _____

Temperature _____ Flow Rate _____

Process

Agitation Heat Transfer Flocculation Solid Suspension Homogenisation Blending

Other _____

Existing Vessel

Shape _____ Dimensions: _____

Fluid Depth Min: _____ Max: _____

Existing Mixer

Shaft Diameter _____ Shaft Length: _____

Power _____

Other Information

_____

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