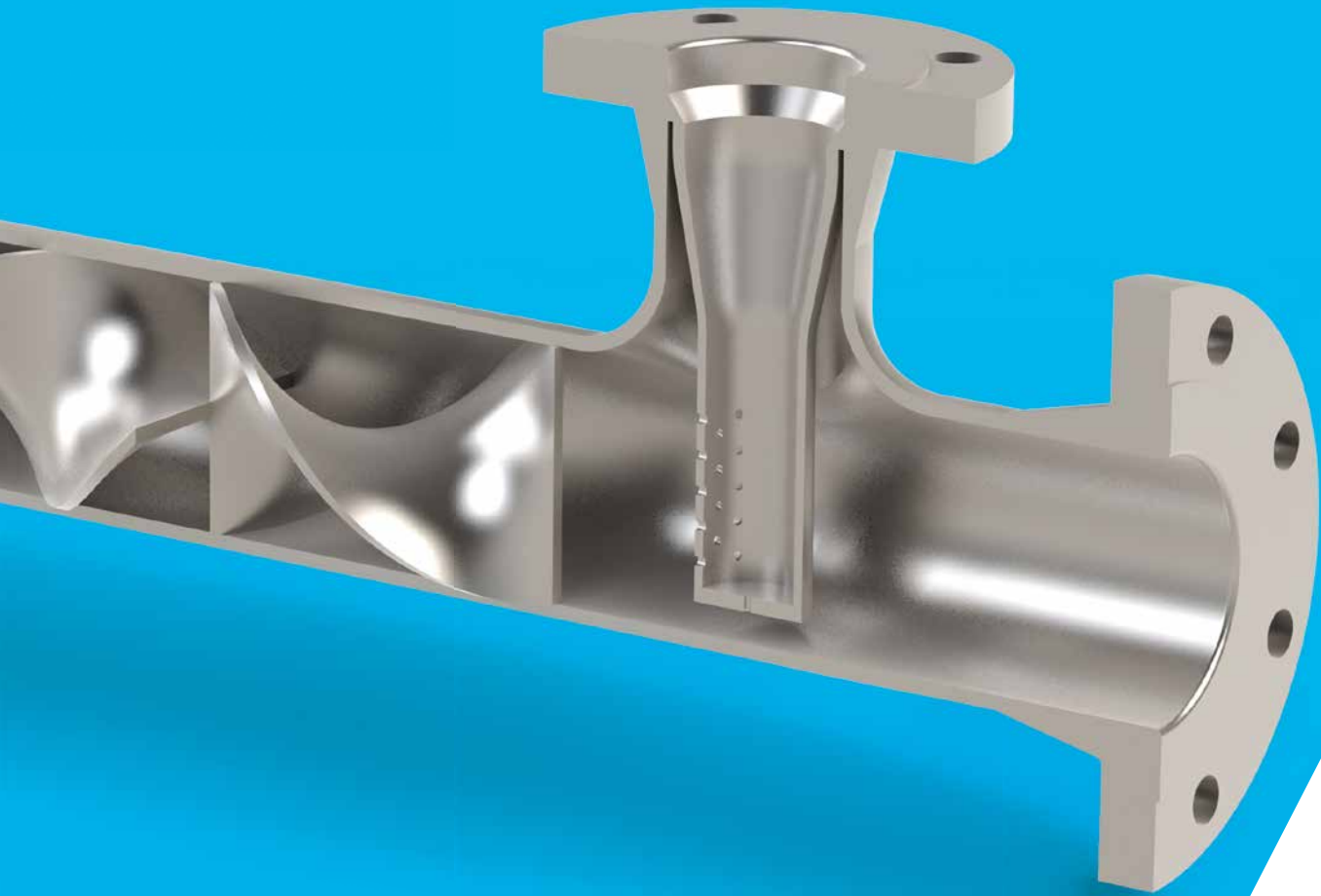


Mixing and conditioning of liquids and gases

STATIC MIXERS & HEAT EXCHANGERS



PERFORMANCE FOR YOUR APPLICATION

PRIMIX static mixers and heat exchangers have proven themselves highly reliable in a wide variety of applications. From conventional bulk processes, precision mixing at millilitre level and also in critical processes, where the risk of explosion, toxicity, corrosiveness and temperature sensitivity in media play an important role. It is mainly in these applications that the PRIMIX systems offer huge benefits.

THE RIGHT **SOLUTION** FOR EVERY **APPLICATION**

PRIMIX has been going for over 30 years and has built up a reputation as an international supplier of top quality static mixers and heat exchangers. Most of the mixers are developed specifically based on the customer's process application. This is done with great care and attention by an experienced and highly-trained workforce.

Industries:

- Water treatment
- Chemical process
- Food & beverages
- Petrochemical

Element types & design of static mixers

Inside the PRIMIX static mixer design four basic segment shapes are used; the Spiral/helical shape, the Quatro shape, the V-shape and the X-shape. More segments form one strand of elements that are placed inside a tube. At PRIMIX design is more. It includes the engineering and thinking through the process with the client. The design instructions and calculations are based on strict criteria formulated in the current industrial design standards for high pressure devices.

PMS



- Standard helical or spiral shaped elements
- Up to ± 160 mm diameter
- Suitable for basic mixing applications, liquid and gas
- Used for heat transfer enhancement
- Available in wide range of materials

PMQ



- Quatro shaped elements
- Performance equal to PMS
- From ± 160 mm diameter to infinity
- Suitable for basic mixing applications: liquid and gas

PMX



- X-crossed type element
- Wide range of sizes
- Relative high pressure drops and almost dead spot free
- Very suitable for high viscosity mixing

PMV



- From ± 50 mm diameter to infinity
- Very suitable in large diameters
- Most suitable for gas mixing or high contact surface
- Used both in gas and liquid

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