

Verdermix VMX Series

Characteristics

Verdermix has developed a standard modular system to produce a mixer that is specific to your process and ensures a long service life.

The VMX series are used for (very) high viscous media and laminar flow applications.

The elements are either fixed inside the tube or removable for thorough cleaning or unclogging..



Your benefits

- Custom design
- Robust
- High mixing efficiency
- Low energy consumption
- Easy to install

Application areas

- Extremely high viscous media
- Paint & Chemical Industry
- Aromas
- Food

Working principle

These X-shaped elements are especially designed for mixing and/or dispersing all kinds of (high) viscous media. In almost all cases it concerns a laminar flow.



- The media is continuously split, stretched, transported from the inside to the outside of the pipe diameter and vice versa.
- Each mixing element is placed, in line, under a 90 degree angle in relation to the previous mixing element.
- Due to the strong cross stream velocity gradients, the additive is sheared, as it passes through the mixing element.
- This results in continuously finer striations till it is 'homogeneous' mixed.

Technical details

Type of elements	X-shape
Number of elements	Minimum 2 - maximum 24
DIN-size	From DN17 to DN 300
Materials	<ul style="list-style-type: none"> • Elements only available in SS316 • Housing available in other materials
Connections	Flanged DIN, ASA or screwed connector
Surface treatment (if applicable)	Pickled (standard) - On request: Electropolishing
Optional	Available with jacket (double piping) for heating or cooling