

Verdermix VMW 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 VMW series are especially designed for certain low viscous applications, for fluids and gases, and fluids in combination with gases. The 'V'-type mixing element is ideal for mixing/dispersing gas(es) into low viscous fluids.

The elements are either fixed inside the tube or removable.



Your benefits

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

Application areas

- Food
- Beverage
- Water & Waste water treatment
- Petro (Chemical) Industry

Working principle

The V-shaped elements are especially designed for dispersing low viscous media such as gas and ideal for applications that require a homogeneous mixing and blending action in the turbulent flow regime.



- The mixing elements consist of intersecting corrugated plates and channels that encourage rapid mixing in combination with plug flow progression. The elements are welded together, 90° turned to create an element string.
- Thanks to these multi-layered 'V' shaped metallic (corrugated) plates, small sized bubbles are formed, creating a very large contact area between the media that have to be mixed (fluid or gas). The bubbles are of a consistent size and evenly spread over the entire pipe diameter and the mixing length.
- The number of elements depends on various factors and consist mostly between 2 and 6 elements, sometimes with a spacer in between them. Any number of additives can be mixed at the same time within the mixing zone.

Technical details

Type of elements	V-shape
Number of elements	Mostly between 2 and 6 elements
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 connectors
Surface treatment (if applicable)	Pickled (standard) - On request: Electropolishing
Optional	Available with jacket (double piping) for heating or cooling