

# YSTRAL Jetstream Mixer

## Constant product quality during mixing

### The predominant mixing principle

An effective micro and macro mixing is mandatory to achieve a consistent quality of a product in a variety of applications. The YSTRAL Jetstream Mixer fulfils all the requirements that are necessary for a completely and homogeneous mixture in a vessel.

Therefore, economy, optimised mixing efficiency and simple handling are not compromised.

### The essential advantages:

- Effective micro and macro mixing of the complete contents in the vessel without air induction
- Complete material exchange over all the levels due to a vertical mixing effect
- The applied energy is converted up to 90% in a vertical stream – no rotation of the contents in the vessel
- Even heavy sediments are suspended by the directed stream
- No free running shaft and mixing tools
- No Vortex is formed, no air is introduced
- Installation to the vessel from top, bottom, side or mounted on a moveable lift
- For open vessels, no special fixing devices are required



### The function of the YSTRAL Jetstream Mixer:

- A fast rotating rotor produces a vertical flow of liquid inside the stator that is directed to the bottom of the tank/vessel.
- It is divided at the bottom and produces a flow upwards along the wall of the vessel.
- On the surface the liquid stream again is diverted towards the bottom of the vessel.



### Technical Data

<b>Power</b>	0,5 – 55 kW
<b>Voltage</b>	230 / 400 V, 50 / 60 Hz, special voltages
<b>Speed</b>	750 / 1.500 min <sup>-1</sup> , 1.500 / 3.000 min <sup>-1</sup> , infinitely variable speed up to 3.600 min <sup>-1</sup> with a frequency converter
<b>Bearing flange</b>	coated aluminium, stainless steel 1.4404 (AISI 316 L)
<b>Submersed parts</b>	stainless steel 1.4404 (AISI 316 L), special materials
<b>Seal</b>	Lip seal, mechanical seal single or double action depending on operating conditions
<b>Options</b>	explosion proof execution, certifications, qualifications

