

YSTRAL Dispermix

Mixing and dispersing in one workstep

Mixing and dispersing with only one machine

The YSTRAL Dispermix is used for applications where mixing only is not sufficient and additional dispersing is necessary. The Dispermix causes an intensive mixing of the contents of the vessel in the micro and macro range while simultaneously completely dispersing the product. Additional treatment with a shear ring disperser is in many cases unnecessary.

Due to an optimal mixing and dispersing efficiency, highest economy and ease of use of the installed mixing tools is given. The Dispermix fulfils the highest requirements to challenging production processes.

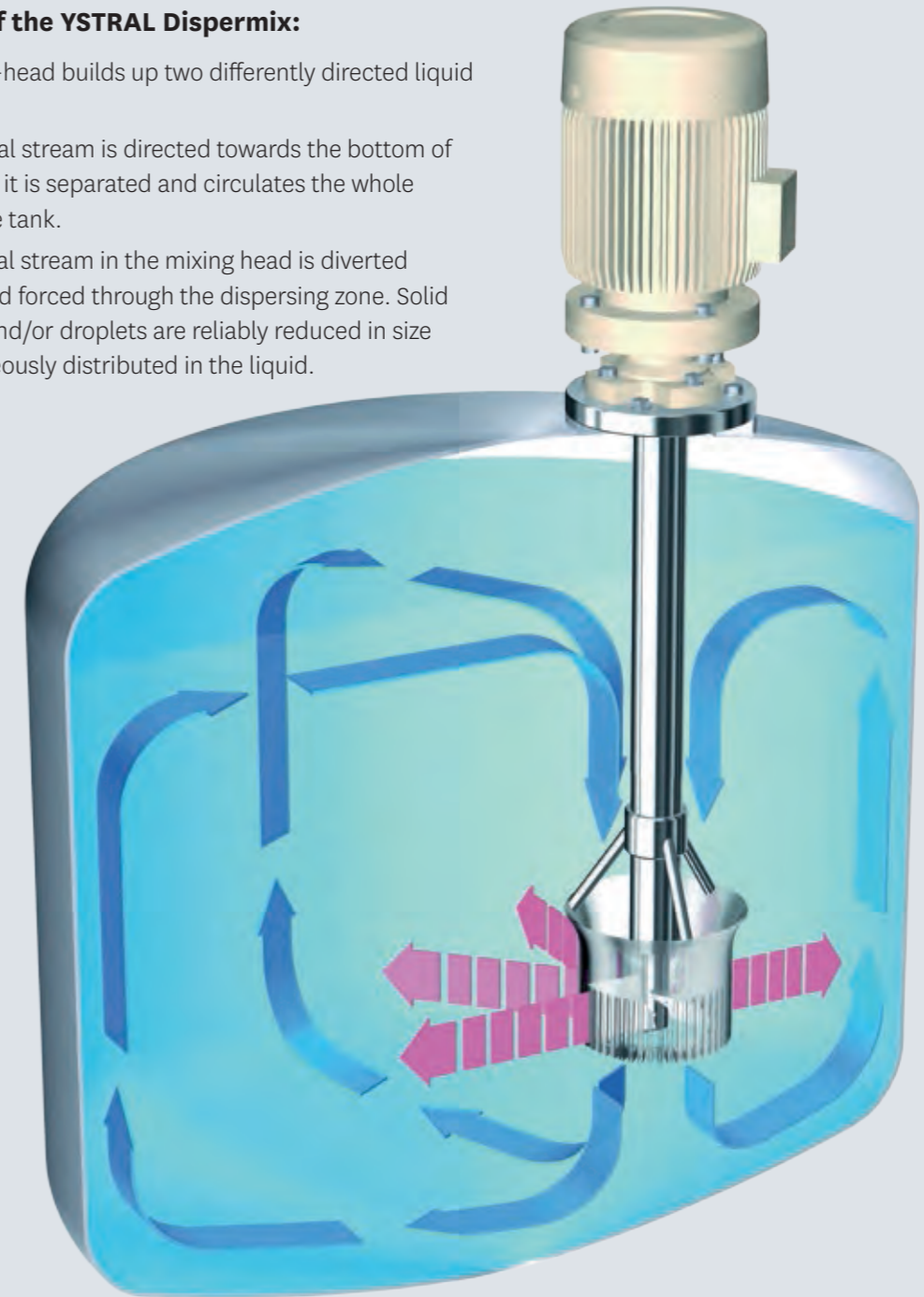
The essential advantages:

- Effective micro- and macro mixing of the complete contents in the vessel without air introduction
- Simultaneous disintegration of agglomerates and thus a better wetting
- Even heavy sediments are suspended and dispersed
- Different sizes of slots for easy adaption to the respective application
- No free running shaft and mixing/dispersing tools
- Installation to the vessel from top, bottom, side or mounted on a moveable lift



The function of the YSTRAL Dispermix:

- The Dispermix-head builds up two differently directed liquid streams.
- A vertical partial stream is directed towards the bottom of the tank, there it is separated and circulates the whole contents of the tank.
- A second partial stream in the mixing head is diverted horizontally and forced through the dispersing zone. Solid components and/or droplets are reliably reduced in size and homogeneously distributed in the liquid.



Technical Data

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

