

High efficiency and low shear widefoil impeller

EKATO ISOJET B

Crystallization, emulsion polymerization, multi-phase blending

Industries

- Chemicals
- Polymers
- API production
- Consumer goods
- Hydrometallurgy

Applications

- Crystallization
- Polymerization
- Multi purpose plants

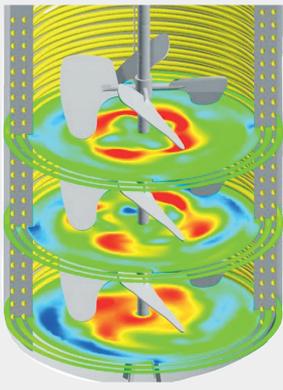
Benefits

- Low shear
- Smooth treatment of particles
- Efficient heat transfer
- Quick blend times
- Reliable suspending even under gassed conditions

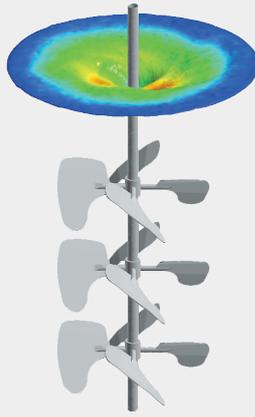
Features

- Axial pumping widefoil impeller
- Application in low to medium viscosity systems
- Homogeneous energy dissipation
- Minimum localized turbulence

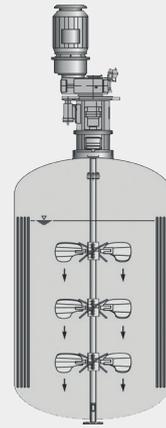




Axial blending & heat transfer



Controlled surface entrainment



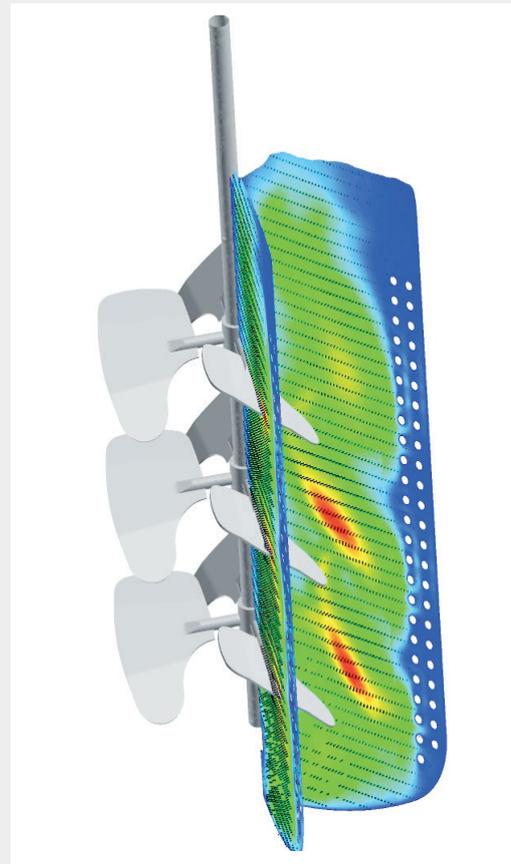
Reactor configuration

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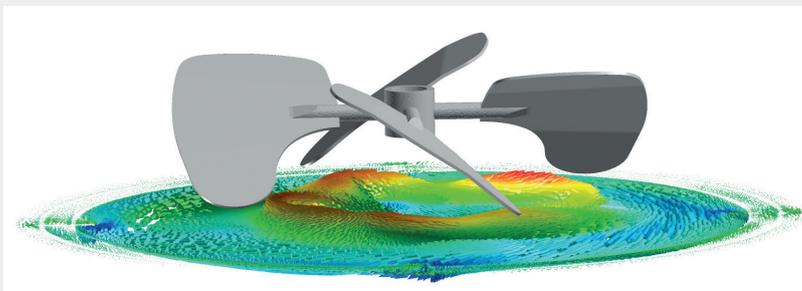
Easy control of local power input, smooth treatment of solids, improved surface entrainment and multi-phase blending abilities. Easy customization of the mixing system including internal heat transfer arrangements such as horizontal coils. Significant improvement of heat transfer as well as blend time reduction, up to 30% in a comparable geometric environment.



Installation of a large ISOJET B for hydrometallurgy



Polymerization reactor



Low shear - minimum localized turbulence