

High Efficient Axial Pump Impeller

EKATO TORUSJET

For Draft Tube Crystallizers or Reactors

Industries

- Chemicals
- Agricultural
- Plastics

Applications

- Draft tube apparatus
- Continuous crystallization
- Butyl rubber reactors
- Polycondensation reactors

Benefits

- Efficient pumping and suspending
- Controlled evaporation
- Low shear on particles
- Controlled particle size distribution
- Larger crystals

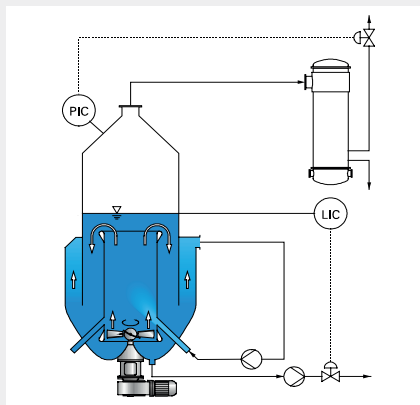
Features

- Defined pumping rates
- Efficient axial pumping inside a draft tube apparatus or reactor
- Energy saving design
- Reduced motor power

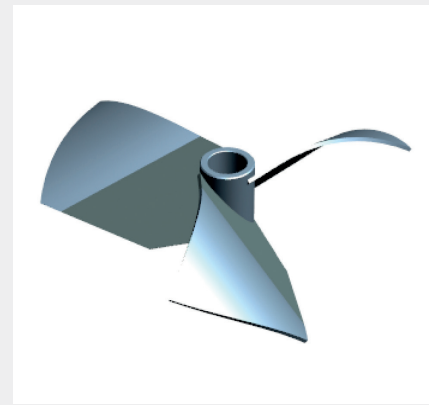




Well-balanced, low-shear flow field provides smallest possible strain on particles



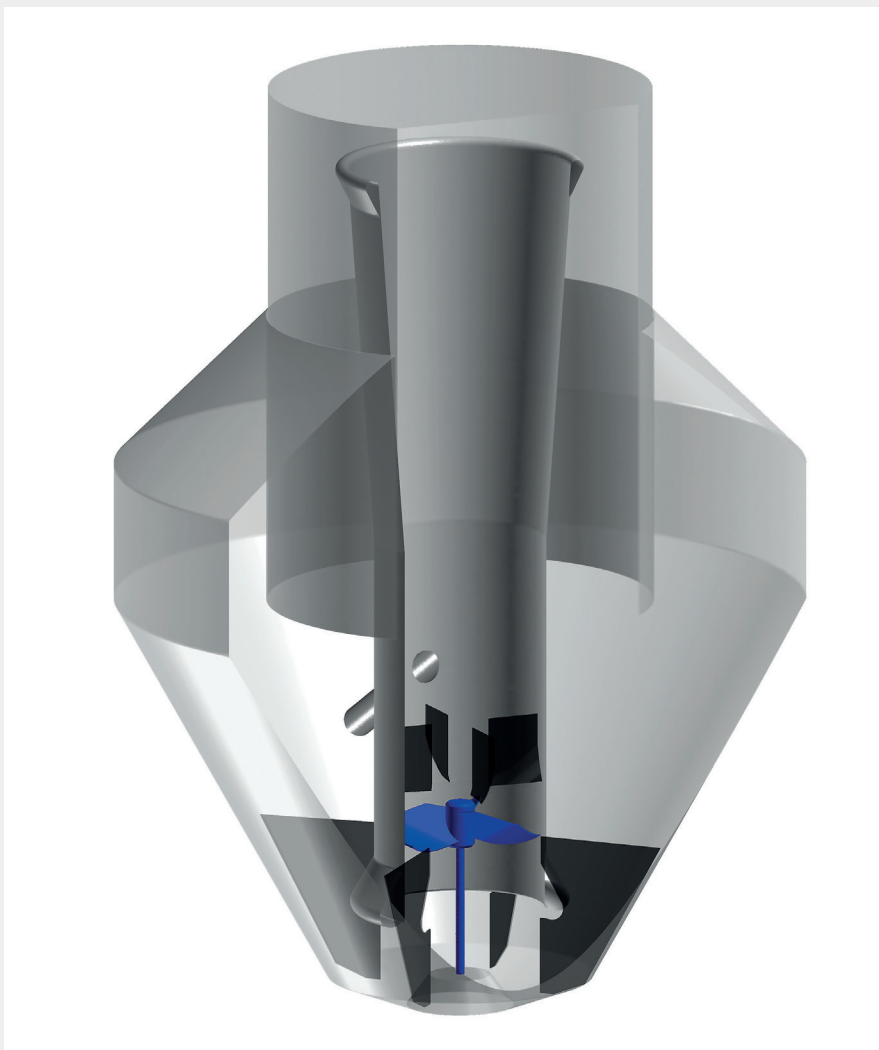
Designed for robust continuous crystallization processes



Novel blade shape generates efficient axial pumping

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The EKATO TORUSJET is the ideal impeller for draft tube applications like in continuous mass crystallization. Especially shaped blades minimize the shaft power for a constant flow rate and pressure drop. This provides a controlled particle formation process and allows the production of large crystals with a narrow particle size distribution.



Continuous Mass Crystallizer

Smooth redirection and guidance of the suspension flow, plus further reduction of shear on particles using a corresponding guide vane concept

