



Galaxy Industrial Equipments Pvt. Ltd.

THE FLUID MIXING PEOPLE

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Mechanical Circulator/Agitator

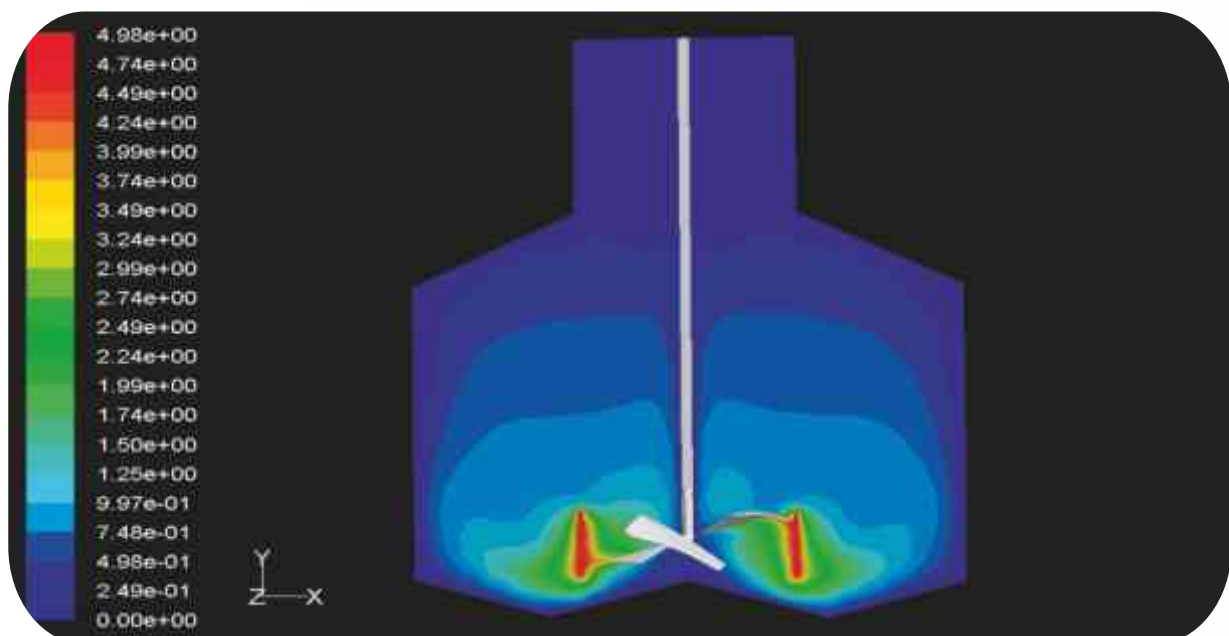
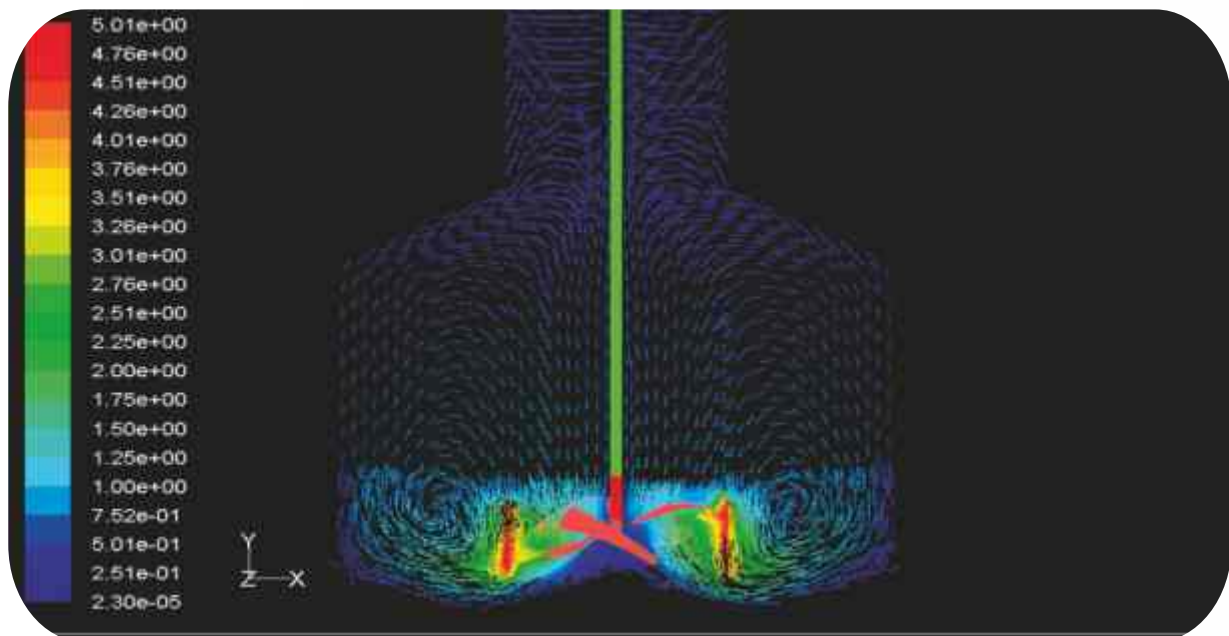


MECHANICAL CIRCULATORS - TECHNOLOGY

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The Circulation of the Masecute in Vacuum Pans plays a vital role in Steam requirement for Sugar boiling. Basically, the crystallization of sucrose involves complex processes that require the correct design of vacuum pans and precise operation. A particularly important factor is the circulation, which is strongly interrelated with the convective-boiling heat transfer in the calandria and determines, to a large extent, the velocity of crystallization and the uniformity of the conditions inside the vessel.

Pan Circulators, if properly designed, can significantly improve the performance of a pan. The Forced circulation improves heat transfer and so shortens the duration of the batch boiling, thus improving capacity. It has also been seen that Circulators improve the quality of high-grade sugar produced. This is a consequence of the better circulation leading to more homogeneous crystallization conditions within the pan.

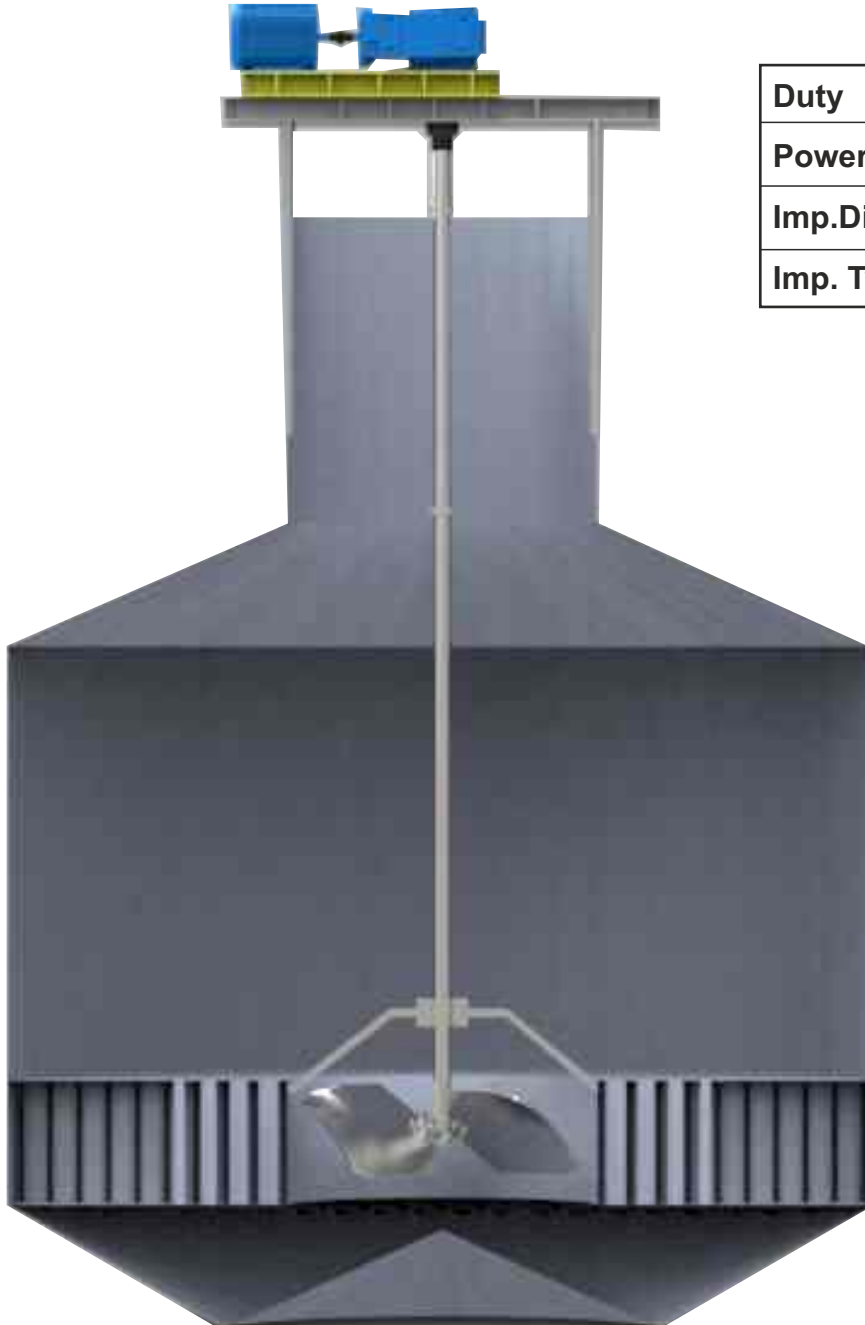




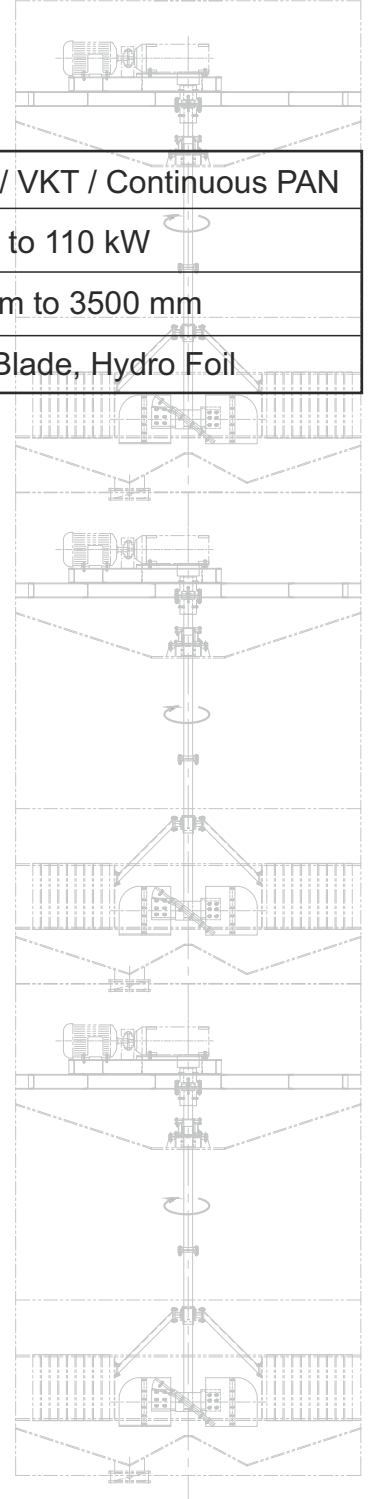
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Mechanical/Pan Circulator Suitable for A,B,C Masecute for Raw & Refine Sugar

More than 150 Installations Across Globe



Duty	Batch / VKT / Continuous PAN
Power	7.5kW to 110 kW
Imp.Dia	800 mm to 3500 mm
Imp. Type	Wide Blade, Hydro Foil



ADVANTAGES

- Sugar Quality Improvement in terms of Crystals size, Purity and Color
- Capacity Enhancement in terms of High Heat Transfer Rate and Lower Strike Time
- Better Heat Economics at Low ΔT
- Reduced Water Consumption
- Low Pressure Vapor usage
- Less Deposition on Calandria Tubes
- Lower Molasses Purity



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SUGAR MELTERS & PROCESS TANK MIXERS

Top Entry Agitators Specifically Designed For Horizontal & Vertical Sugar Melters. Takes Care Of Sugar Dissolution Up-to 700 Brix With Live Steam. No Steam Addition Required For Sugar Dissolution In Hot Water Up-to 650 Brix.

Top Entry Agitators With Or Without Steady Bearing For Atmospheric Or Pressurized Vessels & Reactors. Lip Seal Or Gland Packings Along-with Bearing Housing Options Are Available.



Top Entry Agitators For Wide Range Of Applications Ranging From Mild Mixing For Flocculators To Violent Mixing For Lime Slackers. We Cater To All Mixing Processes In Sugar Industry Where-in Liquid-solid Agitation Is Involved.

Typical Applications

- Juice Sulphiter
- Mol Tanks
- Sugar Melter
- Flocculators



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W-81, S Block, MIDC, Bhosari, Pune - 411 026

M: +91 99231 33933 / +91 99230 85151

• E: sales@galaxyprocess.in