

APPLICATION SEGMENTS



SUGAR & ETHANOL



PAINTS



PULP & PAPER



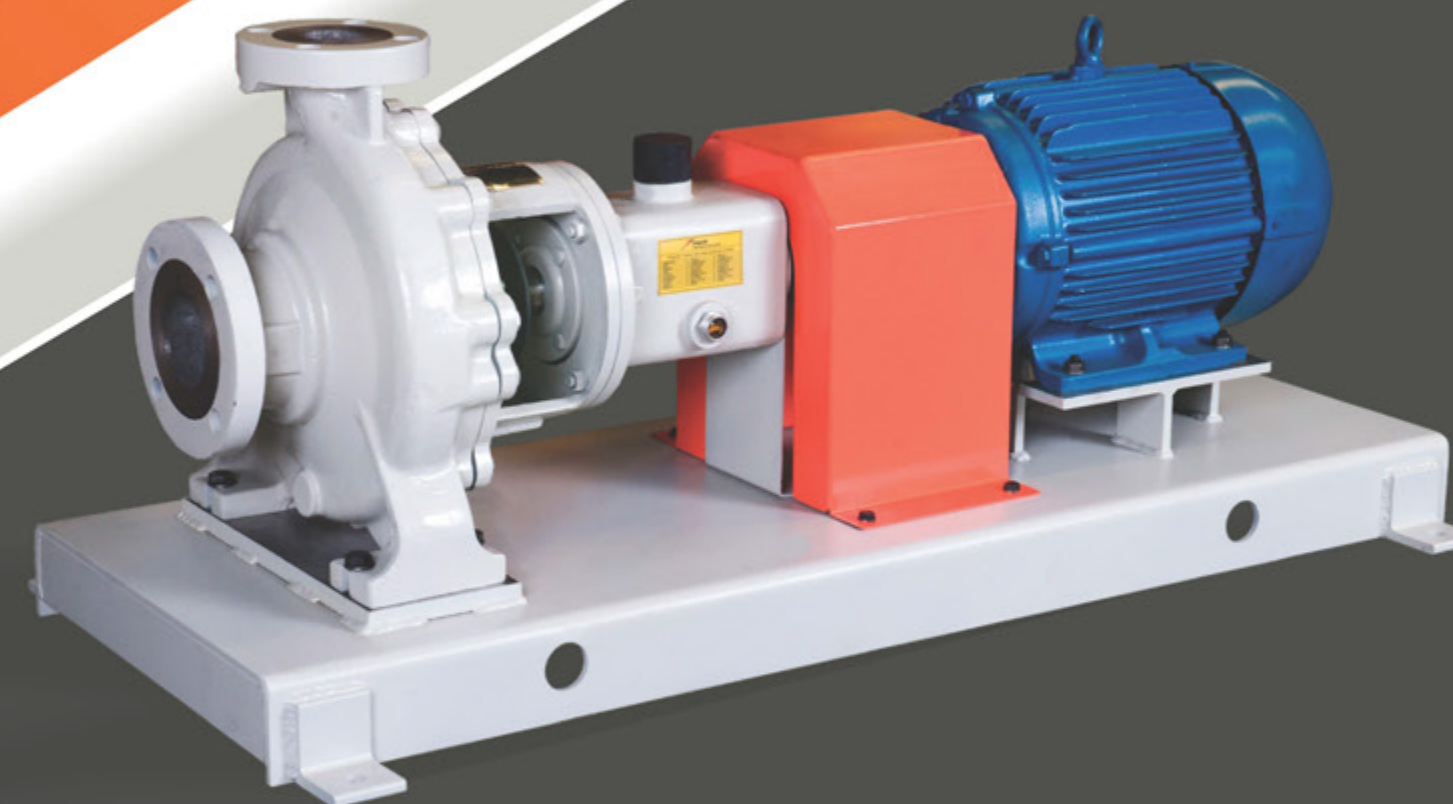
CHEMICAL



BIOENERGY



FOOD



Closed-Impeller Centrifugal Pump | LOKAD STAR SERIES

A SMART SOLUTION FOR SIMPLE AND EFFECTIVE OPERATION



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JAGUAR CENTRIFUGAL PUMP

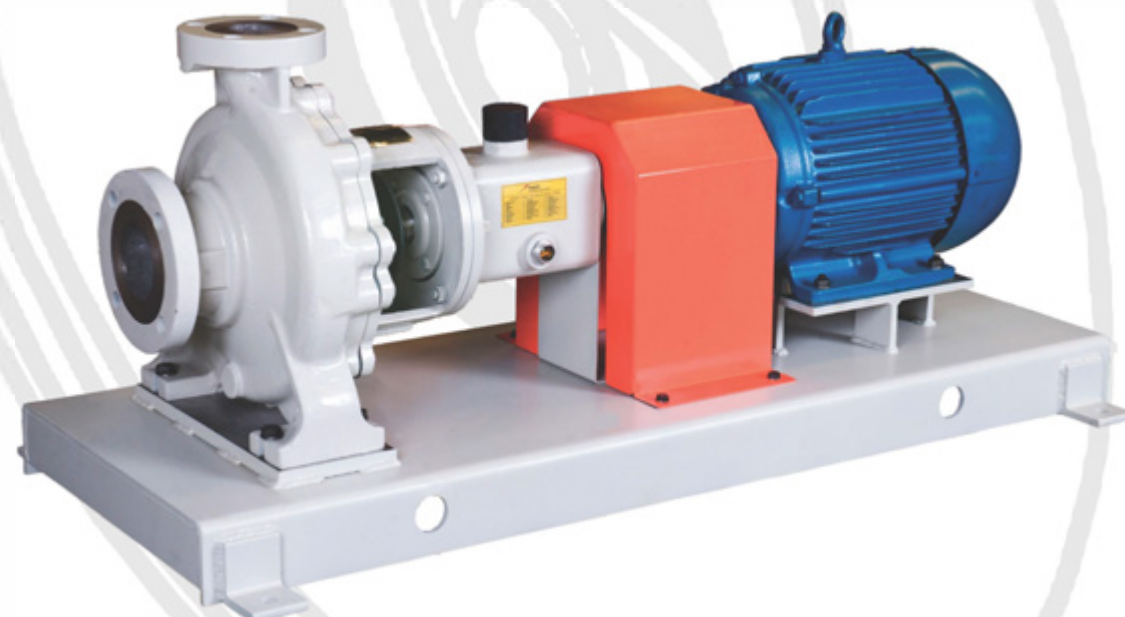
CLOSED-IMPELLER DESIGN

LOKAD STAR SERIES

Always attentive to market demands, JAGUAR SPECIAL PUMPS introduces a new line of pumps designed to address key issues such as raw material waste and environmental contamination caused by equipment leakage.

This is a unique combination capable of withstanding the high radial forces typically exerted on closed-impeller pumps—forces that often lead to premature wear of packing seals, resulting in leaks and material losses.

The new **LOKAD STAR** pump series incorporates advanced shaft sealing technology. It is the only pump on the market designed with an expanded seal chamber system, equivalent to the **Big Bore** configuration, combined with an anti-leak system known as **A.M. TWIN LOCK**.



INDUSTRIAL APPLICATIONS

Sugar & Ethanol
Pulp & Paper
Food & Beverage
Petrochemical
Wastewater Treatment
Pharmaceutical

INNOVATION IN PUMP TECHNOLOGY



The Jaguar closed-impeller centrifugal pump offers a critical advantage: it is built with materials highly resistant to abrasion and corrosion, giving it superior durability compared to conventional pumps.

Made from special alloy materials, both the volute and impellers are constructed with greater wall thickness to withstand high fluid velocities and abrasive particles moving through the pump.

The oversized bearing housing features three bearings, not just two as in most centrifugal pumps. This robust design improves the pump's ability to handle both axial and radial forces acting on the shaft from the impellers.

In addition, the bearing housing is designed to accommodate larger rotors and volutes when required, without the need for replacement, ensuring flexibility and scalability in pumping capacity.



EXCLUSIVE SEALING SYSTEM

A.M. Twin Lock

The A.M. Twin Lock system consists of a double sealing mechanism, made up of two liquid seal rings, where the second ring is located at the final packing stage. When the gland is tightened, the ring is compressed toward an orifice that collects the leakage from the last packing and redirects it to the pump's suction.

The drive shaft sealing system allows the same chamber to be used for either a mechanical seal or packing, providing flexibility depending on the operating conditions.

In case of wear, the packing or mechanical seal can be easily replaced using the exclusive expanded Back-Pull-Out system, which allows replacement without the need to disassemble the entire pump set.

KEY ADVANTAGES

- 1 - HIGH ENERGY EFFICIENCY
- 2 - EXCLUSIVE SHAFT SEALING SYSTEM
- 3 - MODULAR CONSTRUCTION FOR SIMPLE, EFFECTIVE MAINTENANCE
- 4 - BEST COST-BENEFIT RATIO (CAPEX AND OPEX)
- 5 - CASTING AVAILABLE IN MULTIPLE ALLOYS FOR SPECIAL APPLICATIONS

DESIGNED SPECIFICALLY FOR PUMPING ABRASIVE LIQUIDS WITH FINE PARTICULATE CONTENT