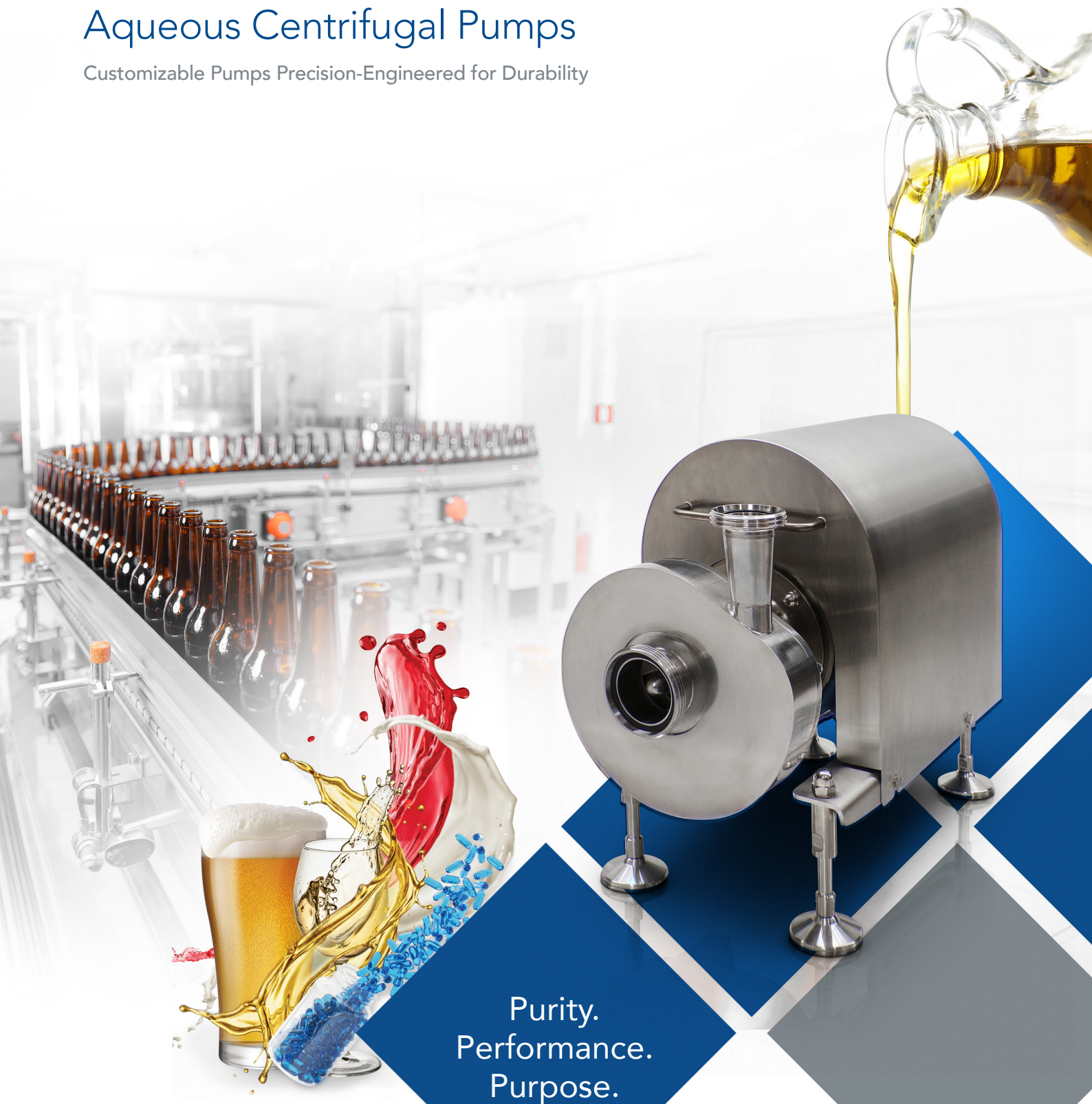




Hygienic

Aqueous Centrifugal Pumps

Customizable Pumps Precision-Engineered for Durability



Purity.
Performance.
Purpose.

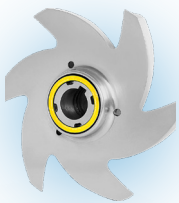




ipp Aqueous Centrifugal Pumps for Hygienic Applications

Flexible ipp Aqueous Centrifugal Pumps are engineered for durability, delivering reliable and robust performance in all hygienic operating conditions.

Ideal for oils, juices, beer, wine, milk, pharmaceuticals and other low-viscosity fluids, these pumps feature a modular design so they can be customized for your specific application. All parts are machined from rolled material for maximum stability and longer service life.



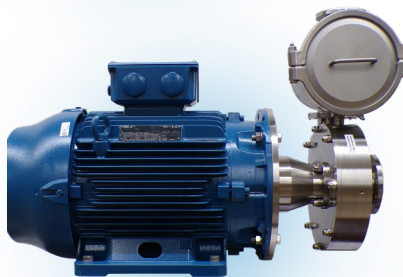
Designed to Meet Strict Hygienic Standards

Clean-in-place (CIP) and sterilize-in-place (SIP) capabilities ensure easy, residue-free cleaning, minimizing the risk of contamination.



Customizable Connections

Common connections include DIN 11851 dairy pipe thread and TriClamp DIN 32676, but all available connection standards can be implemented at your request, including DIN 11864 and DIN EN 1092-1. Pipe dimensions of various standards are also available.



Optional Self-Priming Capability

The self-priming option offers excellent suction capacity and exceptional efficiency, allowing the pump to handle large volumes of air, such as during CIP return processes.



Simple Maintenance

Back-pullout unit (BPU) enables easy removal of the unit for maintenance while pump housing remains connected to the pipework.

Advanced Efficiency

Optimized, coordinated impeller and casing geometry deliver maximum efficiency and the lowest possible Net Positive Suction Head (NPSH) values.



CIP & SIP Capabilities

Hygienic design and FDA-compliant O-rings pressed without dead space enable CIP/SIP residue-free cleaning capabilities.

Machined for Maximum Quality & Stability

Each part is machined from rolled material, delivering stability that ensures smooth operation and maximizes service life by protecting bearings and mechanical seals. Rotationally symmetrical weld seams ensure functionality and minimize the risk of defects.

Hygienic, Flexible Seal Design

The mechanical seal is integrated into the impeller, delivering maximum hygiene and robust performance that maintains consistency regardless of temperature fluctuations. The mechanical seal is also positioned for front access, which allows for simplified maintenance and increased machine availability. The compact, modular seal design enables easy switches and upgrades as needed.

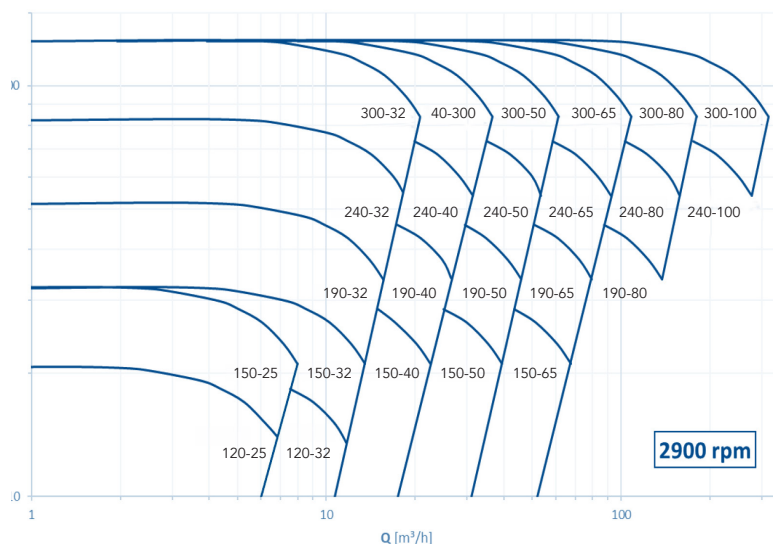
ADVANTAGES OF THIS UNIQUE DESIGN:

- Large heat exchangers for heating & cooling
- Drainage connection for complete drainability
- Contact surface finish of up to $Ra \leq 0.4 \mu m$ (16 μin)
- Customized adaptation of connection dimensions
- Comprehensive documentation

STANDARD FEATURES INCLUDE:

- Flow rates up to 5,000 lpm (1,321 gpm)
- Delivery heads up to 120 m (394 ft)
- Temperatures up to 150°C (302°F)
- Pressures up to 16 bar (232 psi)
- Contact surface Ra of 0.8 μm (32 μin)

PERFORMANCE COVERAGE





Hygienic

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Purity.
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