



Hybrid centrifugal pump LES

We are a manufacturer of LES centrifugal pumps, which are used in the food, beverage, pharmaceutical and chemical industries.

Our LES stainless steel hybrid centrifugal pump is an excellent alternative to the side channel pump. It has an inducer in the specially developed pump cover as well as an integrated recirculation system, which gives it the capabilities of a self-priming pump.

Thanks to its robust design, it is particularly suitable for rapid temperature changes. It achieves ideal pumping behavior for liquids with a high gas content.



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Properties

- Aerodynamically optimized volute casing design with high efficiencies of up to 72%
- Construction free of dead spaces (hygienic design)
- Best pumping behavior for liquids with high gas content
- Very quiet operation
- CIP and SIP-capable
- Simple design / low maintenance costs
- Robust design made of high-quality chrome-nickel-molybdenum steel 1.4435/316L with electropolished surfaces
- Ideal for rapid temperature changes thanks to robust design
- Various mechanical seal systems possible
- Complete residual draining
- With inducer
- With stub shaft for the use of standard motors

Areas of application

Food industry:

Vinegar, liquid egg, concentrates, vitamins, flavorings, milk, cream, cooking oil, buttermilk, sauces, sugar solutions, brine, seasonings, fatty acids, CIP return, couverture, bulkheads, fats, cocoa butter, etc.

Beverage industry:

Mineral water, syrup, spirits, fruit juices (also with pulp), wine, beer, brewer's yeast, lemon juice, alcohol, liqueur, CIP cleaning, vegetable juices, iced tea, etc.

Pharmaceutical and sterile technology:

Perfumes, emulsions, alcohols, herbal extracts, flavorings, ultrapure water, WFI, PUW, HPW, CIP/SIP cleaning, dyes, infusion solutions, applications in biotechnology, etc.

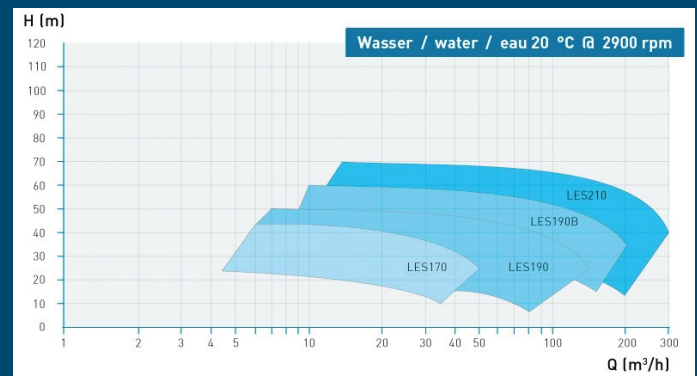
Chemistry and industry:

Acids, alkalis, milk of lime, methanol, alcohols, ethanol, hydrogen peroxide, solvents, urea, deionized water, condensates, biodiesel, glycol solutions, etc.

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Facts

- ATEX for zones 1, 2, 21, 22
- Pharma for maximum safety, reliability and hygiene (surface roughness up to Ra < 0.4 µm)
- Hermetically sealed LES magnetic coupling for crystallizing, toxic, flammable and environmentally hazardous liquids
- Storage carrier design for special requirements
- Mobile with robust chassis and accessories according to customer requirements
- Complete residual emptying at the lowest point of the pump body



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