

Centrifugal pump LE

We are manufacturers of LE centrifugal pumps, which are used in the food, beverage, pharmaceutical and chemical industries.

Quiet, gentle and efficient product conveyance thanks to flow-optimized volute casing and impeller geometry. The dead space-free design of our centrifugal pumps enables hygienic operation and quick cleaning of the pump.

The robust and thick-walled design also allows the pumping of solids-laden and abrasive liquids.



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Properties

- Aerodynamically optimized volute casing design with high efficiencies of up to 75%
- Dead space-free construction (hygienic design)
- 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
- Conveying of solids-laden media without risk of clogging
- Ideal for rapid temperature changes thanks to robust design
- Suitable for abrasive and corrosive media
- Various mechanical seal systems possible
- With stub shaft for the use of standard motors

Areas of application

Food industry:

Liquid egg, vinegar, concentrates, flavorings, vitamins, milk, organic milk, cream, cheese curd, buttermilk, proteins, sauces, cooking oil, sugar solutions, brine, seasonings, fatty acids, CIP cleaning, frying oil, couverture, mash, yogurt, bulkheads, maltodextrin, lactose, ice water, fats, cocoa butter, liquid malt, etc.

Beverage industry:

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

Pharmaceutical and sterile technology:

Perfumes, emulsions, alcohols, herbal extracts, flavorings, proteins, various solutions, ultrapure water, WFI, PW, HPW, CIP/SIP cleaning, dyes, liquid creams, infusion solutions, mouth rinses, applications in biotechnology, etc.

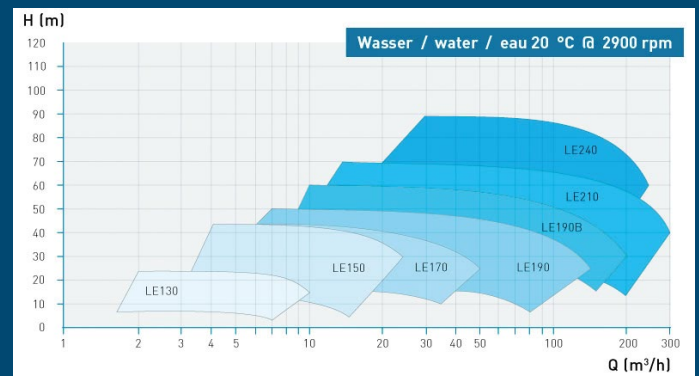
Chemistry and industry:

Alkalis, acids, milk of lime, refrigerants, alcohols, methanol, ethanol, solvents, hydrogen peroxide, resins, isocyanate, demineralized water, descaling agents, urea, plasticizers, glycol solutions, bleaching agents, various applications in reverse osmosis processes, biodiesel, waste water with particles, condensates, liquid road salt, etc.

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Facts

- ATEX for zones 1, 2, 21, 22
- Pharma for maximum safety, reliability and hygiene (surface roughness up to $R_a < 0.4 \mu\text{m}$)
- Hermetically sealed magnetic coupling LEM version for crystallizing, toxic, flammable and environmentally hazardous liquids
- Vertical installation for easy residual emptying
- Storage carrier design for special requirements
- Inducer for low NPSHa values $< 1 \text{ m}$
- Mobile with robust chassis and accessories according to customer requirements
- Heatable with liquid or heating cartridge
- Complete residual emptying at the lowest point of the pump body



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