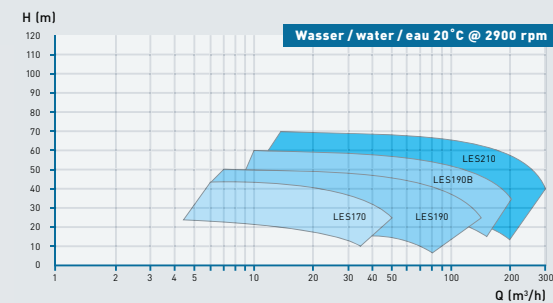
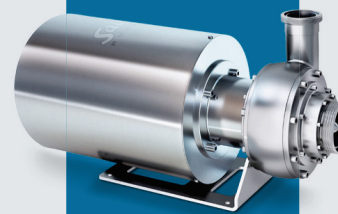




# Hybrid centrifugal pump LES

The stainless-steel hybrid centrifugal pump LES is an excellent alternative to the side channel pumps. It has a specially developed pump cover with an inducer and an integrated recirculation system, thus allowing it to be used successfully as a self-priming pump.



## Features

- flow optimised volute casing and impeller designs with high efficiencies
- dead space-free design (hygienic design)
- excellent behaviour with liquids containing high gas shares
- very quiet operation
- CIP and SIP compliant
- simple design/low maintenance costs
- sturdy design comprising high-quality chromium-nickel-molybdenum stainless steel 1.4435 [316L] with electropolished surfaces
- ideal for fast temperature changes thanks to sturdy design
- option for various mechanical seal systems
- completely drainable
- with inducer

## Optional forms

- **ATEX**  
for zones 1, 2, 21 and 22
- **pharma design**  
for maximum safety, reliability and hygiene (surface roughnesses down to Ra < 0.4 µm)
- **magnetic coupling**  
hermetically sealed version LESM for crystallising, toxic, flammable and environmentally hazardous liquids
- **vertical installation**  
for simple residual drainage
- **bearing housing**  
for special requirements
- **mobile**  
with sturdy trolley and accessories to customer requirements



Innovative recirculation system for pumping media containing gas.



**Foodstuffs**



**Beverages**



**Pharmaceuticals / cosmetics**



**Chemicals / industry**

Flow rate Q	max. 100 m³/h
Delivery head H	up to 70 m
Temperature range	minus 30°C to 130°C, max. 145°C (SIP)
Viscosity	up to approx. 200 mPas
Nominal pressure	PN10 to PN63