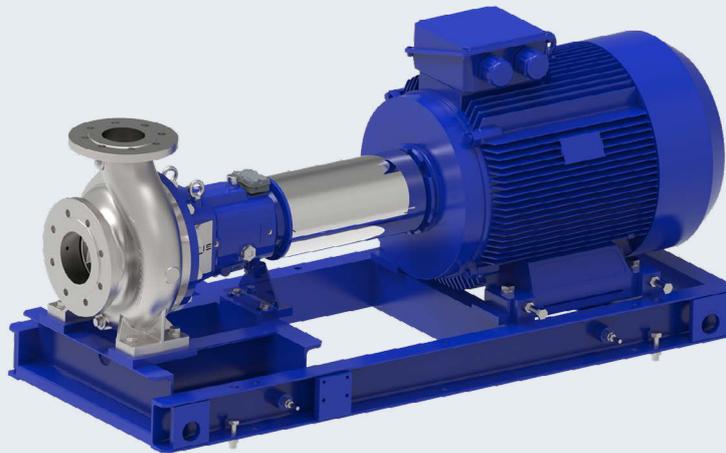


# LOWARA E-IXP

## centrifugal pumps



### Standard centrifugal pumps

#### **Description**

The Lowara e-IXP is the new innovative Xylem Industrial Pump designed according to ISO 2858 and 5199 to be the solution to industrial applications. The new e-IXP pump is able to meet the pumping needs of customers in virtually all major markets and can be supplied in multiple construction materials, with various shaft sealing configurations. Derived from customer input and extensive Xylem experience, the design objective was to create a reliable and efficient pump with reduced lifecycle cost. Thanks to the new Xylem optimize technology, health of the pump will be always under control.

The new e-IXP is a single stage volute casing end suction pump, available in different constructions thanks to a true modular design.

The e-IXP is the replacement of the Vogel LS series. The series has a range extension up to DN 250, increasing the maximum capacity by 65% compared to the LS series. There is a wide choice of material combinations for the casing and impeller, both PN16 and PN25, to solve different needs in the industrial market. There are also choices in bearing bracket arrangements and sealing options (API plans available on request). For critical NPSH it is possible to fit an optional inducer, this reduces the NPSH by up to 50%.

The standardization according to ISO 2858 and ISO 5199, the pump is easy to integrate into existing installations. The optimized hydraulic system increases the efficiency of the pump by up to 10% compared to the previous ISO range. To optimize performance and save energy, Vacon AC drives can be used.

Due to the patented cyclone sealing chamber the life of the mechanical seal is increased up to 5 times when pumping liquids with abrasive materials.



## Applications

- o water distribution
- o irrigation
- o heating and cooling
- o booster pump
- o geothermal

## Types

- e-IXPC

Frame mounted single-stage volute casing end suction pump. The hydraulics are coupled to the motor using a spacer coupling. When you need a more robust and versatile version.



- e-IXPS

Single-stage horizontal volute casing block pump, rigidly coupled to a standard motor. When you need a more compact and economic solution.



- e-IXP

Single-stage horizontal bare shaft pump, to be coupled to any standard IEC motor. When you need to substitute an existing ISO 2858 pump.



## Performance range

The e-IXP pump offers a broad hydraulic range: it delivers up to 1.270 m<sup>3</sup>/h and 160 m max head with motor power up to 200 kW. More sizes equals more opportunities to optimize efficiency for your application.

## Specifications

- o models: DN25 – DN250
- o power: 0,55 kW – 200 kW
- o head up to: 160 m
- o capacity up to: 1.270 m<sup>3</sup>/h
- o fluid temperature: -40 ÷ 180 °C
- o design pressure: max. 25 bar
- o standard flanges: EN 1092/ISO 7005, PN16 and PN25
- o optional flanges: ASME B16.5 compatible with class 150 and 300 drilled

## Accessories

- o anchor bolts and epoxy capsule anchor bolts
- o drip pan in stainless steel
- o casing drain with flange
- o API plans
- o inducer
- o different sensors

## Product certificates

- o standard test rapport according to ISO 9906
  - Class 2B as standard
  - Class 1B, 1U on customer request
- o vibration test rapport
- o bearing temperature rise
- o material certificate according to EN 10204-2.2 and -3.1 (for all wet and pressurized components)
- o traceability of components

