

# LOWARA E-SV 1 UP TO 125SV

special versions



[Booster pumps](#) [Multistage pumps](#) [Standard centrifugal pumps](#)

## Description

More and more customers require specific solutions for satisfying particular application requirements. To meet their needs, Lowara offers many possibilities for customizing the e-SV pumps.

The special versions are:

- o low NPSH
- o high pressure
- o high temperature (150 °C or 180 °C)
- o with Hydrovar system
- o models with 4-pole motor
- o small foot print (R-model)
- o horizontal version

## L-version low NPSH

The special design of the first initial stage together with a specific impeller design allows e-SV Low NPSH versions to improve its suction capacity. Even in critical suction conditions, the pump is able to deliver consistent and constant operation on the whole application range.

## P-version high pressure

High pressure is available in two different configurations: single pump solution or tandem pump solution (two pumps in series). If the inlet pressure value is already high, Lowara delivers a single pump able to withstand the high inlet pressure and deliver up to 45 bar pressure at the outlet.

## H-version high temperature (150 °C)

Thanks to the special design of its housing, the seal is protected from the stress caused by high temperatures by means of a “natural” lubrication process which is triggered by the pumped liquid itself.

## B-version high temperature (180 °C - boiler feed)

Thanks to the special design of its housing, the seal is protected from the stress caused by high temperatures by means of a “natural” lubrication process which is triggered by the pumped liquid itself, and a cooling system which uses the air in the room. A degasser is also installed at the top of the pump in order to automatically eliminate the air in the seal area.



## **SVH-version with Hydrovar system**

Thanks to the Hydrovar system, the speed of each pump varies so as to maintain a constant flow or pressure. The pump only receives the energy required, thus allowing considerable savings, especially for those systems in which demands varies during the day. Available up to 22 kW.

## **4-pole version**

In the building services market, reducing the level of noise of the pumping equipment is one of the main goals of architects and facilities managers to bring more comfort to our life. In water boosting systems or in cooling and heating installations, often architects and contractors are looking at quiet operational systems. Therefore Lowara has developed the e-SV series with 4-pole versions: a pump which delivers a quiet and reliable solution to the most noise sensitive applications.

## **R-version small footprint**

Reducing footprint offers many different configurations with the delivery port above the suction port with 4 adjustable positions. This specific design of the pump allows installing e-SV reducing footprint everywhere, even at a close proximity to a wall. This configuration is available up to 22SV series and 5,5 kW.

## **Horizontal version**

Every e-SV pump can be installed in a horizontal position. Lowara has developed some specific accessories, which according to the pump model and motor, allow every e-SV multi-stage vertical pump to be installed horizontally.