

**New!**

## VIP multistage centrifugal pump

**EFFICIO**  
range



### Expertise in high-efficiency pumping

#### Class IE2 motor

A very active player in research into new highly energy-efficient technologies, now responding to environmental and economic concerns, **LEROY-SOMER** presents **EFFICIO**, an innovative range of multistage centrifugal pumps characterised by excellent performance in terms of **high efficiency**.

Part of the **EFFICIO** range, the **VIP** series is a new generation of multistage pumps with multiple applications: boost pressure, feeding cooling circuits or industrial boilers, water treatment, irrigation, etc.

**VIP** pumps have many advantages:

- **Efficiency:** The star performer in the **EFFICIO** range, the **VIP** pump series offers efficiency of up to 80%, making them some of the best-performing on the market. These superior characteristics result from the combination of **new high-efficiency hydraulics** with

a **class IE2 motor** (level equivalent to Eff1, applicable from June 2011), which can significantly cut the application's energy consumption.

- **Design and modularity:** The new design of the adjustable U-mount (2 positions available on request) not only creates a smooth line between the motor and the hydraulics, but also means that the mechanical seal can always be accessed from the front, irrespective of the type of installation. The pump body has a modular structure and loose flanges which simplify connection to any existing structure.

- **Easier maintenance:** The **VIP** series has a cassette seal system for easier pump maintenance. With the enlarged "spacer" function, the mechanical seal is easily accessible and can be replaced without having to dismantle the motor, which can weigh as much as 40 kg. Pump maintenance time is thus halved.

- **Ergonomics:** **VIP** pumps have a built-in lifting device which makes the operators' work easier and safer during transportation and handling.

- **Quality and reliability:** **LEROY-SOMER** has optimised the design and manufacture of the new **VIP** pumps to ensure quality and reliability. Production is monitored for corrosion. A metallographic analysis checks component durability. A high-tech laser welding process is integrated in the assembly line (the pump vanes, notably, are laser-welded with a tolerance of just a few microns!)

- **Standard components:** Class **IE2** high-efficiency motors, as well as all the mechanical seals, are still standard components, available from the catalogue.

The new pumps in the **VIP 22, 36** and **52** range, with built-in frequency inverter (flow rate up to 70 m<sup>3</sup>/hr and Total Manometric Lift up to 240 MHW), are available as a replacement for the current **MIV** range.

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