

Do not jeopardize the pump safety requirements!

New pumps delivered from the supplier must comply with the EC Machinery Directive and sometimes the EU's Low-Voltage Directive as well. These EU directives are safety requirements that are imposed on the supplier to ensure that the machines are designed and used in a safe manner. These requirements are based on the personal safety of the pump user. The CE marking certifies that these requirements have been met, and is displayed on complete pump units that include both pump and motor.

It is reassuring for the pump user to know that these safety requirements are fulfilled. SWEPUMP is working actively to ensure that these safety requirements are and that they are relevant to pumps.

A centrifugal pump is a simple machine with few moving parts. It generates relatively high radial and axial forces, along with simultaneously high shaft output. The trend towards higher speed is further improving performance from year to year. To cope with these forces, centrifugal pumps are designed and built to very fine tolerances, especially with respect to shaft, bearings and shaft seal parts. When several parts with fine tolerances are mounted together the demand on precision increases. The use of pump components that do not meet these requirements may rapidly result in sometimes-hazardous consequences when the pump is operated.

Corresponding problems are encountered in pumps based on other operating principles. However, the design solutions used in such cases can vary, as well as the components that are particularly sensitive.

It may sometimes be tempting for a pump user to repair pumps using spare parts that are not suitable for the pump. This can have a very serious impact on the operation of the pump in terms of its running time, machine safety and efficiency.

Equipping the machine with parts that are not suitable for the pump can jeopardize the safety of both the machine and the operator. The pump user/individual installing the components is responsible for the product being in compliance with the applicable safety requirements. Using spare parts obtained from the pump supplier can eliminate these risks.

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European Committee of Pump Manufacturers

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