EUROPUMP GENERAL

EUROPUMP **REPRESENTS**

17 national associations, over 450 companies employing some 100,000 people in Europe, and has a collective annual production worth over 10 billion euros.

MISSION

It is Europump's mission to:

- Develop appropriate programmes and tools to support the European pump industry in understanding and maintaining knowledge of fluid system technologies and the related market requirements
- Promote energy savings and environmental integrity where these are beneficial to our sector and pump users
- Maintain an open and constructive dialogue with all stakeholders determining or influencing the progress of our industry
- Look after the best interests of all pump manufacturers, both large and small, against the backdrop and challenges of political and environmental programmes.

MARKET **CONTEXT**

Pumps, being key enabling technologies, are used everywhere: buildings, water cycle, industry, power generation, chemicals, oil processing…. All these user sectors are facing increasing demand for energy savings and far-reaching environmental challenges to combat climate change.

Since 2004, European pump manufacturers have been providing solutions to these new energy savings and environmental challenges under the Europump flagship project called "**Ecopump**".

The Ecopump initiative was designed to be the cornerstone of the European pump sector's energy and environmental policy. Ecopump is built around three key pillars: 'Product', Extended Product' and 'Systems', the concept being to ensure that:

1. The liquid end of our products meets minimum efficiency levels
2. Product savings are optimised via the Extended Product Approach through the control of our products
3. The installed base is investigated to make sure that efficient products are installed into efficient systems.

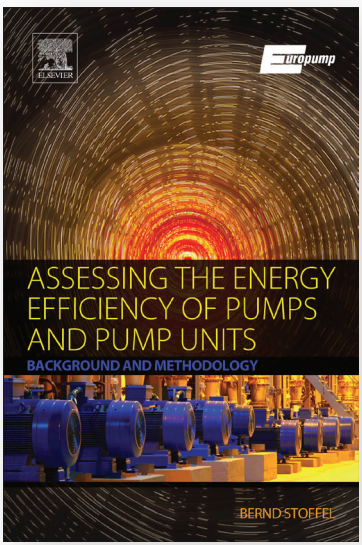
Today there are minimum energy efficiency requirements in place, which have been enforced by EU legislation for clean water pumps and circulators and which are supported and enhanced by Europump. Other types of water and waste water pumps have also been investigated for new requirements.

During the last few years, studies and research have been undertaken to extend energy efficiency requirements at extended product level with the electric motor, and at system level.

Energy and environmental challenges can provide industry with a good basis for innovation in pump applications, and European pump manufacturers are playing a leading role in this field. For example, Europump is the only mechanical industry group engaged in tracking, with the consultants to the European Commission, the product environmental footprint initiative. This is despite the fact that it is acknowledged that pump energy consumption is predominantly concentrated in the use phase, further confirming our commitment to environmental integrity.

HANDBOOK ON **ENERGY EFFICIENCY**

In 2015, Europump published under the **Ecopump** initiative a handbook assessing the energy efficiency of pumps and pump units (for sale at Elsevier). This book consolidates and reaffirms the outcomes of a series of studies that Europump has conducted in recent years in collaboration with Darmstadt University of Technology.



OUR **ENVIRONMENTAL PRINCIPLES**

- Environmentally targeted and reliable pumps (correctly sized, installed and maintained)
- Efficiently optimised pumps and systems
- Environmentally friendly pump installations taking into account system demand requirements in the pump design.

Published August 2015